

## Schema **EFI Metrix 21.2 Release MXML Spec - Millimeters.xsd**

| Elements                                     | Groups                             | Complex types                                      | Simple types                                             | Attr. groups                                  |
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| <a href="#">Audit</a>                        |                                    | <a href="#">LayoutGuid</a>                         | <a href="#">BinderLapEdgeType</a>                        | <a href="#">MarkSizingPolicyAttributes</a>    |
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| <a href="#">AutoPlan</a>                     |                                    | <a href="#">ProductContentType</a>                 | <a href="#">ComponentPriorityType</a>                    |                                               |
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| <a href="#">AutoPlanProductionMethod</a>     |                                    | <a href="#">ResourceRefElementType</a>             | <a href="#">ContentCheckType</a>                         |                                               |
| <a href="#">AutoProduction</a>               |                                    |                                                    | <a href="#">ContentPositionRuleType</a>                  |                                               |
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| <a href="#">ComponentInstance</a>            |                                    |                                                    | <a href="#">LinearDimension BinderFaceTrimType</a>       |                                               |
| <a href="#">ComponentInstancePool</a>        |                                    |                                                    | <a href="#">LinearDimension BinderJogTrimType</a>        |                                               |
| <a href="#">ComponentPool</a>                |                                    |                                                    | <a href="#">LinearDimension BinderLapType</a>            |                                               |
| <a href="#">ComponentRef</a>                 |                                    |                                                    | <a href="#">LinearDimension BinderNonJogTrimType</a>     |                                               |
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[LinearDimensionType](#)

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element **AddCutterAlignmentMarks**

|            |                            |                              |     |                         |       |                                                                                                                                             |
|------------|----------------------------|------------------------------|-----|-------------------------|-------|---------------------------------------------------------------------------------------------------------------------------------------------|
| properties | content                    | complex                      |     |                         |       |                                                                                                                                             |
| used by    | element                    | <a href="#">Run</a>          |     |                         |       |                                                                                                                                             |
| attributes | Name                       | Type                         | Use | Default                 | Fixed | Annotation                                                                                                                                  |
|            | <a href="#">Name</a>       | <a href="#">TextType Max</a> |     | AddCutterAlignmentMarks |       | documentation<br>A user-definable name for the Command Event. If not supplied, defaults to "AddCutterAlignmentMarks". Up to 250 characters. |
| annotation | documentation<br>Pace Only |                              |     |                         |       |                                                                                                                                             |

attribute **AddCutterAlignmentMarks/@Name**

|            |                                                                                                                                             |                         |            |
|------------|---------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|------------|
| type       | <a href="#">TextType Max</a>                                                                                                                |                         |            |
| properties | default                                                                                                                                     | AddCutterAlignmentMarks |            |
| facets     | Kind                                                                                                                                        | Value                   | Annotation |
|            | minLength                                                                                                                                   | 0                       |            |
|            | maxLength                                                                                                                                   | 250                     |            |
| annotation | documentation<br>A user-definable name for the Command Event. If not supplied, defaults to “AddCutterAlignmentMarks”. Up to 250 characters. |                         |            |

### element **AddDefaultBleed**

|            |                              |                                      |     |                            |       |                                                                                                                                                   |
|------------|------------------------------|--------------------------------------|-----|----------------------------|-------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| properties | content complex              |                                      |     |                            |       |                                                                                                                                                   |
| used by    | element <a href="#">Run</a>  |                                      |     |                            |       |                                                                                                                                                   |
| attributes | Name<br><a href="#">Name</a> | Type<br><a href="#">TextType Max</a> | Use | Default<br>AddDefaultBleed | Fixed | Annotation<br>documentation<br>A user-definable name for the Command Event. If not supplied, defaults to "AddDefaultBleed". Up to 250 characters. |

### attribute **AddDefaultBleed/@Name**

|            |                                                                                                                                     |                 |            |
|------------|-------------------------------------------------------------------------------------------------------------------------------------|-----------------|------------|
| type       | <a href="#">TextType Max</a>                                                                                                        |                 |            |
| properties | default                                                                                                                             | AddDefaultBleed |            |
| facets     | Kind                                                                                                                                | Value           | Annotation |
|            | minLength                                                                                                                           | 0               |            |
|            | maxLength                                                                                                                           | 250             |            |
| annotation | documentation<br>A user-definable name for the Command Event. If not supplied, defaults to "AddDefaultBleed". Up to 250 characters. |                 |            |

### element **AddDefaultJogAndSpineTrim**

|            |                              |                                      |     |                                      |       |                                                                                                                                                             |
|------------|------------------------------|--------------------------------------|-----|--------------------------------------|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| properties | content complex              |                                      |     |                                      |       |                                                                                                                                                             |
| used by    | element <a href="#">Run</a>  |                                      |     |                                      |       |                                                                                                                                                             |
| attributes | Name<br><a href="#">Name</a> | Type<br><a href="#">TextType Max</a> | Use | Default<br>AddDefaultJogAndSpineTrim | Fixed | Annotation<br>documentation<br>A user-definable name for the Command Event. If not supplied, defaults to "AddDefaultJogAndSpineTrim". Up to 250 characters. |

### attribute **AddDefaultJogAndSpineTrim/@Name**

|            |                                                                                                                                               |                           |            |
|------------|-----------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|------------|
| type       | <a href="#">TextType Max</a>                                                                                                                  |                           |            |
| properties | default                                                                                                                                       | AddDefaultJogAndSpineTrim |            |
| facets     | Kind                                                                                                                                          | Value                     | Annotation |
|            | minLength                                                                                                                                     | 0                         |            |
|            | maxLength                                                                                                                                     | 250                       |            |
| annotation | documentation<br>A user-definable name for the Command Event. If not supplied, defaults to "AddDefaultJogAndSpineTrim". Up to 250 characters. |                           |            |

### element **ApplyCutterAlignmentMarks**

|            |                                                                      |  |  |  |  |  |
|------------|----------------------------------------------------------------------|--|--|--|--|--|
| properties | content complex                                                      |  |  |  |  |  |
| children   | <a href="#">CutterAlignmentMarkGroupRef</a> <a href="#">PressRef</a> |  |  |  |  |  |
| used by    | element <a href="#">Run</a>                                          |  |  |  |  |  |

|            |                              |                                      |                                  |                                      |       |                                                                                                                                                             |
|------------|------------------------------|--------------------------------------|----------------------------------|--------------------------------------|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| attributes | Name<br><a href="#">Name</a> | Type<br><a href="#">TextType Max</a> | Use<br>ApplyCutterAlignmentMarks | Default<br>ApplyCutterAlignmentMarks | Fixed | Annotation<br>documentation<br>A user-definable name for the Command Event. If not supplied, defaults to "ApplyCutterAlignmentMarks". Up to 250 characters. |
|------------|------------------------------|--------------------------------------|----------------------------------|--------------------------------------|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|

#### attribute **ApplyCutterAlignmentMarks/@Name**

|                |                                                                                                                                               |                           |            |                |
|----------------|-----------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|------------|----------------|
| attribute Name | ApplyCutterAlignmentMarks                                                                                                                     |                           |            | Attribute Name |
| type           | <a href="#">TextType_Max</a>                                                                                                                  |                           |            |                |
| properties     | default                                                                                                                                       | ApplyCutterAlignmentMarks |            |                |
| facets         | Kind                                                                                                                                          | Value                     | Annotation |                |
|                | minLength                                                                                                                                     | 0                         |            |                |
|                | maxLength                                                                                                                                     | 250                       |            |                |
| annotation     | documentation<br>A user-definable name for the Command Event. If not supplied, defaults to "ApplyCutterAlignmentMarks". Up to 250 characters. |                           |            |                |

#### element **ApplyCutterAlignmentMarks/CutterAlignmentMarkGroupRef**

|            |                                                                                       |                                   |     |         |       |            |
|------------|---------------------------------------------------------------------------------------|-----------------------------------|-----|---------|-------|------------|
| type       | <a href="#">ResourceRefElementType</a>                                                |                                   |     |         |       |            |
| properties | content                                                                               | complex                           |     |         |       |            |
| attributes | Name<br><a href="#">rRef</a>                                                          | Type<br><a href="#">RefIDType</a> | Use | Default | Fixed | Annotation |
| annotation | documentation<br>Reference to the Cutter Alignment Mark Group that should be applied. |                                   |     |         |       |            |

#### element **ApplyCutterAlignmentMarks/PressRef**

|                                                      |                                                                                                                                                                                                                       |                                                                                                 |     |         |       |            |
|------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|-----|---------|-------|------------|
| element type: <a href="#">ResourceRefElementType</a> |                                                                                                                                                                                                                       |                                                                                                 |     |         |       |            |
| properties                                           | minOcc                                                                                                                                                                                                                | 0                                                                                               |     |         |       |            |
|                                                      | maxOcc                                                                                                                                                                                                                | 1                                                                                               |     |         |       |            |
|                                                      | content                                                                                                                                                                                                               | complex                                                                                         |     |         |       |            |
| used by                                              | elements                                                                                                                                                                                                              | <a href="#">AutoPlanProductionMethod</a> <a href="#">PressRefPool</a> <a href="#">SheetSide</a> |     |         |       |            |
| attributes                                           | Name                                                                                                                                                                                                                  | Type                                                                                            | Use | Default | Fixed | Annotation |
|                                                      | <a href="#">rRef</a>                                                                                                                                                                                                  | <a href="#">RefIDType</a>                                                                       |     |         |       |            |
| annotation                                           | documentation<br>Zero or more refIDs for a Press. If none are given, the CAM Group will be applied to all layouts. Otherwise it will only be applied to layouts that use one of the presses, on side 1 of the layout. |                                                                                                 |     |         |       |            |

#### element **ApplyShingling**

|            |                             |                              |     |                |       |                                                                                                                                    |
|------------|-----------------------------|------------------------------|-----|----------------|-------|------------------------------------------------------------------------------------------------------------------------------------|
| properties | content    complex          |                              |     |                |       |                                                                                                                                    |
| children   | <a href="#">Shingling</a>   |                              |     |                |       |                                                                                                                                    |
| used by    | element <a href="#">Run</a> |                              |     |                |       |                                                                                                                                    |
| attributes | Name                        | Type                         | Use | Default        | Fixed | Annotation                                                                                                                         |
|            | <a href="#">Name</a>        | <a href="#">TextType Max</a> |     | ApplyShingling |       | documentation<br>A user-definable name for the Command Event. If not supplied, defaults to “ApplyShingling”. Up to 250 characters. |

|  |                                                                                                                                                                                                                                     |
|--|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | <a href="#">OverrideProjectSettings</a> <b>xs:boolean</b> false <div>documentation<br/>Override shingling that is defined in project; otherwise, only apply shingling to products that do not have shingling already defined.</div> |
|--|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

attribute **ApplyShingling/@Name**

|            |                                                                                                                                                       |
|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| type       | <a href="#">TextType Max</a>                                                                                                                          |
| properties | default    ApplyShingling                                                                                                                             |
| facets     | <div>Kind            Value    Annotation</div> <div>minLength    0</div> <div>maxLength    250</div>                                                  |
| annotation | <div>documentation</div> <div>A user-definable name for the Command Event. If not supplied, defaults to "ApplyShingling". Up to 250 characters.</div> |

attribute **ApplyShingling/@OverrideProjectSettings**

|            |                                                                                                                                                                            |
|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| type       | <b>xs:boolean</b>                                                                                                                                                          |
| properties | default    false                                                                                                                                                           |
| annotation | <div>documentation</div> <div>Override shingling that is defined in project; otherwise, only apply shingling to products that do not have shingling already defined.</div> |

element **ApplyStandards**

|            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| properties | content    complex                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| used by    | element <a href="#">Run</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| attributes | <div> <div> <div>Name</div> <div><a href="#">Name</a></div> <div>Type</div> <div><a href="#">TextType Max</a></div> <div>Use</div> <div></div> <div>Default</div> <div>ApplyStandards</div> <div>Fixed</div> <div></div> <div>Annotation</div> <div>documentation<br/>A user-definable name for the Command Event. If not supplied, defaults to "ApplyStandards". Up to 250 characters.</div> </div> <div> <div><a href="#">OnlyExportIfAllLayoutsAreStandards</a></div> <div><b>xs:boolean</b></div> <div></div> <div>false</div> <div></div> <div>documentation<br/>If the hotfolder workflow relies on Standards for exporting, this attribute should be set to True, in which case, if standards cannot be found for all layouts in the project nothing will be exported.</div> </div> </div> |

### attribute **ApplyStandards/@Name**

|            |                                                                                                                                    |                |            |
|------------|------------------------------------------------------------------------------------------------------------------------------------|----------------|------------|
| type       | <a href="#">TextType Max</a>                                                                                                       |                |            |
| properties | default                                                                                                                            | ApplyStandards |            |
| facets     | Kind                                                                                                                               | Value          | Annotation |
|            | minLength                                                                                                                          | 0              |            |
|            | maxLength                                                                                                                          | 250            |            |
| annotation | documentation<br>A user-definable name for the Command Event. If not supplied, defaults to "ApplyStandards". Up to 250 characters. |                |            |

### attribute **ApplyStandards/@OnlyExportIfAllLayoutsAreStandards**

|            |                                                                                                                                                                                                                          |       |  |
|------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|--|
| type       | xs:boolean                                                                                                                                                                                                               |       |  |
| properties | default                                                                                                                                                                                                                  | false |  |
| annotation | documentation<br>If the hotfolder workflow relies on Standards for exporting, this attribute should be set to True, in which case, if standards cannot be found for all layouts in the project nothing will be exported. |       |  |

### element **AssignLayoutRampageWorkflows**

|            |                                                            |                              |     |                              |       |                                                                                                                                                                                                                                                                                    |
|------------|------------------------------------------------------------|------------------------------|-----|------------------------------|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| properties | content complex                                            |                              |     |                              |       |                                                                                                                                                                                                                                                                                    |
| used by    | element <a href="#">Run</a>                                |                              |     |                              |       |                                                                                                                                                                                                                                                                                    |
| attributes | Name                                                       | Type                         | Use | Default                      | Fixed | Annotation                                                                                                                                                                                                                                                                         |
|            | <a href="#">Name</a>                                       | <a href="#">TextType Max</a> |     | AssignLayoutRampageWorkflows |       | documentation<br>A user-definable name for the Command Event. If not supplied, defaults to "AssignLayoutRampageWorkflows". Up to 250 characters.                                                                                                                                   |
|            | <a href="#">OnlyExportIfAllLayoutsHaveRampageWorkflows</a> | <b>xs:boolean</b>            |     | false                        |       | documentation<br>If the hotfolder workflow requires all layout sides to have a Rampage Workflow assigned before exporting, this attribute should be set to True, in which case. if a Rampage Workflow is not assigned to all layout sides in the project nothing will be exported. |

### attribute **AssignLayoutRampageWorkflows/@Name**

|            |                                                                                                                                                  |                              |            |
|------------|--------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|------------|
| type       | <a href="#">TextType Max</a>                                                                                                                     |                              |            |
| properties | default                                                                                                                                          | AssignLayoutRampageWorkflows |            |
| facets     | Kind                                                                                                                                             | Value                        | Annotation |
|            | minLength                                                                                                                                        | 0                            |            |
|            | maxLength                                                                                                                                        | 250                          |            |
| annotation | documentation<br>A user-definable name for the Command Event. If not supplied, defaults to "AssignLayoutRampageWorkflows". Up to 250 characters. |                              |            |

attribute **AssignLayoutRampageWorkflows/@OnlyExportIfAllLayoutsHaveRampageWorkflows**

|            |                                                                                                                                                                                                                                                                                    |
|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| type       | <b>xs:boolean</b>                                                                                                                                                                                                                                                                  |
| properties | default false                                                                                                                                                                                                                                                                      |
| annotation | documentation<br>If the hotfolder workflow requires all layout sides to have a Rampage Workflow assigned before exporting, this attribute should be set to True, in which case. if a Rampage Workflow is not assigned to all layout sides in the project nothing will be exported. |

element **AssignPageRampageWorkflows**

|            |                                     |                                |          |                            |       |                                                                                                                                                                                                                                                                                        |
|------------|-------------------------------------|--------------------------------|----------|----------------------------|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| properties | content complex                     |                                |          |                            |       |                                                                                                                                                                                                                                                                                        |
| used by    | element <a href="#">Run</a>         |                                |          |                            |       |                                                                                                                                                                                                                                                                                        |
| attributes | Name                                | Type                           | Use      | Default                    | Fixed | Annotation                                                                                                                                                                                                                                                                             |
|            | <a href="#">Name</a>                | <a href="#">TextType Max</a>   |          | AssignPageRampageWorkflows |       | <a href="#">documentation</a><br>A user-definable name for the Command Event. If not supplied, defaults to "AssignPageRampageWorkflows". Up to 250 characters.                                                                                                                         |
|            | <a href="#">RampageWorkflowName</a> | <a href="#">TextType Short</a> | required |                            |       | <a href="#">documentation</a><br>Some versions of Rampage require a Page Rampage Workflow be assigned to every page in the project. This attribute specifies the name of the Page Rampage Workflow in the Metrix database to assign to every page in the project. Up to 30 characters. |

attribute **AssignPageRampageWorkflows/@Name**

|            |                                                                                                                                                |                            |            |
|------------|------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|------------|
| type       | <a href="#">TextType Max</a>                                                                                                                   |                            |            |
| properties | default                                                                                                                                        | AssignPageRampageWorkflows |            |
| facets     | Kind                                                                                                                                           | Value                      | Annotation |
|            | minLength                                                                                                                                      | 0                          |            |
|            | maxLength                                                                                                                                      | 250                        |            |
| annotation | documentation<br>A user-definable name for the Command Event. If not supplied, defaults to "AssignPageRampageWorkflows". Up to 250 characters. |                            |            |

attribute **AssignPageRampageWorkflows/@RampageWorkflowName**

|            |                                                                                                                                                                                                                                                                        |          |            |
|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|------------|
| type       | <a href="#">TextType Short</a>                                                                                                                                                                                                                                         |          |            |
| properties | use                                                                                                                                                                                                                                                                    | required |            |
| facets     | Kind                                                                                                                                                                                                                                                                   | Value    | Annotation |
|            | minLength                                                                                                                                                                                                                                                              | 0        |            |
|            | maxLength                                                                                                                                                                                                                                                              | 30       |            |
| annotation | documentation<br>Some versions of Rampage require a Page Rampage Workflow be assigned to every page in the project. This attribute specifies the name of the Page Rampage Workflow in the Metrix database to assign to every page in the project. Up to 30 characters. |          |            |

element **Audit**

|      |                               |
|------|-------------------------------|
| type | extension of <b>xs:string</b> |
|------|-------------------------------|

|            |                                   |                                    |                 |         |       |                                                                                                                                                                                                                                                                                                     |
|------------|-----------------------------------|------------------------------------|-----------------|---------|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| properties | content complex                   |                                    |                 |         |       |                                                                                                                                                                                                                                                                                                     |
| used by    | element <a href="#">AuditPool</a> |                                    |                 |         |       |                                                                                                                                                                                                                                                                                                     |
| attributes | Name<br><a href="#">Event</a>     | Type<br><a href="#">AuditEvent</a> | Use<br>required | Default | Fixed | Annotation<br>documentation<br>The event triggering the Audit element.<br>documentation<br>The name of the system executing the event.<br><br>documentation<br>The identifying version of the system.<br>documentation<br>The time the event occurred, in the syntax used by the JDF Specification. |
|            | <a href="#">AgentName</a>         | xs:string                          |                 |         |       |                                                                                                                                                                                                                                                                                                     |
|            | <a href="#">AgentThread</a>       | xs:string                          |                 |         |       |                                                                                                                                                                                                                                                                                                     |
|            | <a href="#">AgentVersion</a>      | xs:string                          |                 |         |       |                                                                                                                                                                                                                                                                                                     |
|            | <a href="#">TimeStamp</a>         | xs:string                          |                 |         |       |                                                                                                                                                                                                                                                                                                     |

#### attribute **Audit/@Event**

|            |                                                          |                  |            |
|------------|----------------------------------------------------------|------------------|------------|
| type       | <a href="#">AuditEvent</a>                               |                  |            |
| properties | use required                                             |                  |            |
| facets     | Kind<br>enumeration                                      | Value<br>Created | Annotation |
|            | enumeration                                              | Edited           |            |
|            | enumeration                                              | Error            |            |
| annotation | documentation<br>The event triggering the Audit element. |                  |            |

#### attribute **Audit/@AgentName**

|            |                                                              |
|------------|--------------------------------------------------------------|
| type       | xs:string                                                    |
| annotation | documentation<br>The name of the system executing the event. |

#### attribute **Audit/@AgentThread**

|      |           |
|------|-----------|
| type | xs:string |
|------|-----------|

#### attribute **Audit/@AgentVersion**

|            |                                                         |
|------------|---------------------------------------------------------|
| type       | xs:string                                               |
| annotation | documentation<br>The identifying version of the system. |

#### attribute **Audit/@TimeStamp**

|      |           |
|------|-----------|
| type | xs:string |
|------|-----------|

|            |                                                                                            |
|------------|--------------------------------------------------------------------------------------------|
| annotation | documentation<br>The time the event occurred, in the syntax used by the JDF Specification. |
|------------|--------------------------------------------------------------------------------------------|

## element **AuditPool**

|            |                                   |
|------------|-----------------------------------|
| properties | content complex                   |
| children   | <a href="#">Audit</a>             |
| used by    | element <a href="#">MetrixXML</a> |

## element **AutoLayout**

|            |                                            |                                          |     |            |       |                                                                                                                                                                                                                                     |
|------------|--------------------------------------------|------------------------------------------|-----|------------|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| properties | content complex                            |                                          |     |            |       |                                                                                                                                                                                                                                     |
| used by    | element <a href="#">Run</a>                |                                          |     |            |       |                                                                                                                                                                                                                                     |
| attributes | Name                                       | Type                                     | Use | Default    | Fixed | Annotation                                                                                                                                                                                                                          |
|            | <a href="#">Name</a>                       | <a href="#">TextType</a> <b>Max</b>      |     | AutoLayout |       | <a href="#">documentation</a><br>A user-definable name for the Command Event. If not supplied, defaults to "AutoLayout". Up to 250 characters.                                                                                      |
|            | <a href="#">TargetLayouts</a>              | <b>derived by: xs:integer</b>            |     | 2          |       | <a href="#">documentation</a><br>The minimum number of successful layouts Metrix will calculate for a specific ratio of products before trying a better ratio. 1 to 50. Defaults to "2".                                            |
|            | <a href="#">TimeOutSeconds</a>             | <b>derived by: xs:integer</b>            |     | 45         |       | <a href="#">documentation</a><br>The longest amount of time Metrix will work on calculating each test layout before timing out. Increase this number if you want to give the Metrix engine more calculation time. Defaults to "45". |
|            | <a href="#">PlacementOrigin</a>            | <a href="#">LeftRightType</a>            |     | Left       |       | <a href="#">documentation</a><br>Metrix begins placing products on this edge of the sheet.                                                                                                                                          |
|            | <a href="#">WorkAndTurnPlacementOrigin</a> | <a href="#">WorkAndTurnOriginType</a>    |     | Center     |       | <a href="#">documentation</a><br>Metrix begins placing products at this point on a work and turn layout.                                                                                                                            |
|            | <a href="#">AutoCenterHorizontally</a>     | <b>xs:boolean</b>                        |     | true       |       | <a href="#">documentation</a><br>Default may be set by the "engine.autoCenterHorizontal" preference. Setting this to True automatically centers all layouts horizontally.                                                           |
|            | <a href="#">AutoCenterVertically</a>       | <a href="#">AutoCenterVerticallyType</a> |     | False      |       | <a href="#">documentation</a><br>Default may be set by the "engine.autoCenterVertical" preference. Setting this to True automatically centers all layouts vertically.                                                               |
|            | <a href="#">IgnoreIfHasInstances</a>       | <b>xs:boolean</b>                        |     | false      |       | <a href="#">documentation</a>                                                                                                                                                                                                       |

|  |                                           |                                                                       |       |                                                                                                                                                                                                                                                                                                                                                                                                                        |
|--|-------------------------------------------|-----------------------------------------------------------------------|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | <a href="#">AutoAlignOutsideCuts</a>      | xs:boolean                                                            | false | <p>Allows AutoLayout to skip running against any layout that already has component instances. It will run against the layout only if it has components, but nothing has been placed on the layout.</p> <p><a href="#">documentation</a></p> <p>Setting this to True automatically aligns the outside (horizontal and vertical) cuts of products on layouts, leaving any extra space in the interior of the layout.</p> |
|  | <a href="#">AutoAlignOutsideEdges</a>     | xs:boolean                                                            | false | <p>Renamed in MXML 1.5.2 (both still honored)<br/>[Old name: AutoAlignOutsideEdges]<br/><a href="#">documentation</a></p> <p>Old name for AutoAlignOutsideCuts. Renamed in MXML 1.5.2 (both are still honored).<br/><a href="#">documentation</a></p>                                                                                                                                                                  |
|  | <a href="#">GapBetweenPlacementGroups</a> | <a href="#">LinearDimension</a> <a href="#">PlacementGroupGapType</a> | 0     | <p>The amount of space to insert between Placement Groups originating from one or more Product Groups. Defaults to "0".</p>                                                                                                                                                                                                                                                                                            |

#### attribute **AutoLayout/@Name**

|            |                                                                                                                                                |            |            |
|------------|------------------------------------------------------------------------------------------------------------------------------------------------|------------|------------|
| type       | <a href="#">TextType</a> Max                                                                                                                   |            |            |
| properties | default                                                                                                                                        | AutoLayout |            |
| facets     | Kind                                                                                                                                           | Value      | Annotation |
|            | minLength                                                                                                                                      | 0          |            |
|            | maxLength                                                                                                                                      | 250        |            |
| annotation | <a href="#">documentation</a><br>A user-definable name for the Command Event. If not supplied, defaults to "AutoLayout". Up to 250 characters. |            |            |

#### attribute **AutoLayout/@TargetLayouts**

|            |                                                                                                                                                                                          |       |            |
|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------------|
| type       | restriction of xs:integer                                                                                                                                                                |       |            |
| properties | default                                                                                                                                                                                  | 2     |            |
| facets     | Kind                                                                                                                                                                                     | Value | Annotation |
|            | minInclusive                                                                                                                                                                             | 1     |            |
|            | maxInclusive                                                                                                                                                                             | 50    |            |
| annotation | <a href="#">documentation</a><br>The minimum number of successful layouts Metrix will calculate for a specific ratio of products before trying a better ratio. 1 to 50. Defaults to "2". |       |            |

#### element **AutoMarks**

|            |         |                     |
|------------|---------|---------------------|
| properties | content | complex             |
| used       | element | <a href="#">Run</a> |

| by             |                                                            |                                                          |         |                             |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|----------------|------------------------------------------------------------|----------------------------------------------------------|---------|-----------------------------|-----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| attribu<br>tes | Name                                                       | Type                                                     | Us<br>e | Default                     | Fix<br>ed | Annotation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|                | <a href="#">Name</a>                                       | <a href="#">TextType</a> <b>Max</b>                      |         | AutoMarks                   |           | documentation<br>A user-definable name for the Command Event. If not supplied, defaults to "AutoMarks". Up to 250 characters.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|                | <a href="#">IfMoreThanOneMarkSetMatches<br/>OnlyAdd</a>    | <b>derived by: xs:integer</b>                            |         | 0                           |           | documentation<br>Depending on a MarkSet's rules, it is possible for more than one MarkSet to match a layout's properties and be assigned to a layout. This may be desirable, but, more likely, this ambiguity means a user needs to be involved. To involve a user in such circumstances, this attribute should be set to "0" and the OnlyExportIfAllLayoutsHaveMarks attribute set to True. In this case, exporting will only occur if a single MarkSet matches and is assigned to each layout; otherwise, exporting will not be allowed and users can be notified. Alternatively, this attribute could be set to "1", in which case only the first matching MarkSet will be assigned. This would be appropriate where users are confident that the MarkSet rules are correct and any matching MarkSet would be workable. Valid range: 0 – 10, defaults to "0". |
|                | <a href="#">IfAddingMarkSetAndTheLayoutAlreadyHasMarks</a> | <a href="#">AddingMarkSetAndTheLayoutAlreadyHasMarks</a> |         | StillAddAnyMatchingMarkSets |           | documentation<br>If any matching Mark Set is being added to a layout that already has marks (presumably from a previously successful Apply Standards command) this attribute determines what should happen to the previous marks.<br><br>DeleteAllExistingMarks: All previous marks are deleted.<br>DoNotApplyAnyMatchingMarkSets: No Mark Sets are adding to the layout so the pre-                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |

|  |                                                                        |                                                                                                                                                                                                                                                                                                                 |
|--|------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | <a href="#">OnlyExportIfAllLayoutsHaveMarks</a> <b>xs:boolean</b> true | existing marks are left alone.<br>StillAddAnyMatchingMarkSets: Default<br><a href="#">documentation</a><br>If the hotfolder workflow requires every layout to have marks before exporting, this attribute should be set to True, in which case, if any layouts do not have any marks, nothing will be exported. |
|--|------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

#### attribute **AutoMarks/@Name**

|            |                                                                                                                                               |           |            |
|------------|-----------------------------------------------------------------------------------------------------------------------------------------------|-----------|------------|
| type       | <a href="#">TextType_Max</a>                                                                                                                  |           |            |
| properties | default                                                                                                                                       | AutoMarks |            |
| facets     | Kind                                                                                                                                          | Value     | Annotation |
|            | minLength                                                                                                                                     | 0         |            |
|            | maxLength                                                                                                                                     | 250       |            |
| annotation | <a href="#">documentation</a><br>A user-definable name for the Command Event. If not supplied, defaults to "AutoMarks". Up to 250 characters. |           |            |

#### attribute **AutoMarks/@IfMoreThanOneMarkSetMatchesOnlyAdd**

|            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |       |            |
|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------------|
| type       | restriction of <b>xs:integer</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |       |            |
| properties | default                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 0     |            |
| facets     | Kind                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Value | Annotation |
|            | minInclusive                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 0     |            |
|            | maxInclusive                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 10    |            |
| annotation | <a href="#">documentation</a><br>Depending on a MarkSet's rules, it is possible for more than one MarkSet to match a layout's properties and be assigned to a layout. This may be desirable, but, more likely, this ambiguity means a user needs to be involved. To involve a user in such circumstances, this attribute should be set to "0" and the OnlyExportIfAllLayoutsHaveMarks attribute set to True. In this case, exporting will only occur if a single MarkSet matches and is assigned to each layout; otherwise, exporting will not be allowed and users can be notified. Alternatively, this attribute could be set to "1", in which case only the first matching MarkSet will be assigned. This would be appropriate where users are confident that the MarkSet rules are correct and any matching MarkSet would be workable. Valid range: 0 – 10, defaults to "0". |       |            |

#### attribute **AutoMarks/@IfAddingMarkSetAndTheLayoutAlreadyHasMarks**

|            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                               |            |
|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|------------|
| type       | <a href="#">AddingMarkSetAndTheLayoutAlreadyHasMarks</a>                                                                                                                                                                                                                                                                                                                                                                                                                   |                               |            |
| properties | default                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | StillAddAnyMatchingMarkSets   |            |
| facets     | Kind                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Value                         | Annotation |
|            | enumeration                                                                                                                                                                                                                                                                                                                                                                                                                                                                | DeleteAllExistingMarks        |            |
|            | enumeration                                                                                                                                                                                                                                                                                                                                                                                                                                                                | DoNotApplyAnyMatchingMarkSets |            |
|            | enumeration                                                                                                                                                                                                                                                                                                                                                                                                                                                                | StillAddAnyMatchingMarkSets   |            |
| annotation | <a href="#">documentation</a><br>If any matching Mark Set is being added to a layout that already has marks (presumably from a previously successful Apply Standards command) this attribute determines what should happen to the previous marks.<br><br>DeleteAllExistingMarks: All previous marks are deleted.<br>DoNotApplyAnyMatchingMarkSets: No Mark Sets are adding to the layout so the pre-existing marks are left alone.<br>StillAddAnyMatchingMarkSets: Default |                               |            |

# attribute **AutoMarks/@OnlyExportIfAllLayoutsHaveMarks**

|            |                                                                                                                                                                                                                       |
|------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| type       | <b>xs:boolean</b>                                                                                                                                                                                                     |
| properties | default true                                                                                                                                                                                                          |
| annotation | documentation<br>If the hotfolder workflow requires every layout to have marks before exporting, this attribute should be set to True, in which case, if any layouts do not have any marks, nothing will be exported. |

## element **AutoPlan**

|            |                                                                 |                                     |          |          |       |                                                                                                                                                                                                                                                                                                                                                                |  |
|------------|-----------------------------------------------------------------|-------------------------------------|----------|----------|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| properties | content complex                                                 |                                     |          |          |       |                                                                                                                                                                                                                                                                                                                                                                |  |
| children   | <a href="#">AutoPlanProductionMethod</a> <a href="#">BestOf</a> |                                     |          |          |       |                                                                                                                                                                                                                                                                                                                                                                |  |
| used by    | element <a href="#">Run</a>                                     |                                     |          |          |       |                                                                                                                                                                                                                                                                                                                                                                |  |
| attributes | Name                                                            | Type                                | Use      | Default  | Fixed | Annotation                                                                                                                                                                                                                                                                                                                                                     |  |
|            | <a href="#">Name</a>                                            | <a href="#">TextType</a> <b>Max</b> |          | AutoPlan |       | documentation<br>A user-definable name for the Command Event. If not supplied, defaults to "AutoPlan". Up to 250 characters.                                                                                                                                                                                                                                   |  |
|            | <a href="#">UseLargestDatabasePressSheet</a>                    | <b>xs:boolean</b>                   | required |          |       | documentation<br>If this attribute is set to True, Metrix will find the largest sheet sizes in the database for each of the project component stocks that will fit on the press or presses. The press or presses will be determined from either the AutoPlanProductionMethod sub-element(s) or from the Layout element(s) in the MXML project file being read. |  |
|            | <a href="#">AreaToStartTests</a>                                | derived by: <b>xs:integer</b>       |          | 80       |       | documentation<br>A setting for the Auto Plan engine. If not provided, defaults to 80%. Has the same functionality as for the GUI.                                                                                                                                                                                                                              |  |
|            | <a href="#">AutoLayoutTimeOutSeconds</a>                        | derived by: <b>xs:integer</b>       |          | 3        |       | documentation<br>The time out for each Auto Layout test used by Auto Plan. If not supplied, defaults to 3 seconds. Has the same functionality as for the GUI.                                                                                                                                                                                                  |  |
|            | <a href="#">TotalTimeOutPerStockSeconds</a>                     | derived by: <b>xs:integer</b>       |          | 1800     |       | documentation<br>The total Auto Plan time out for each type of stock in the project. If not supplied, defaults to 1,800 seconds (30 minutes). Valid values: 60 – 86,400.                                                                                                                                                                                       |  |
|            | <a href="#">TotalTimeOutPerProductSeconds</a>                   | derived by: <b>xs:integer</b>       |          | 1800     |       | documentation<br>The total Auto Plan time out for each product in the project. If not supplied, defaults to 1,800 seconds (30 minutes). Valid values: 2 – 86,400. Default: 1800                                                                                                                                                                                |  |

|  |                                           |                                                                       |           |                                                                                                                                                                                                                                                                                                                                                                                                                 |
|--|-------------------------------------------|-----------------------------------------------------------------------|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | <a href="#">PageToBleedGap</a>            | <a href="#">LinearDimension</a> <a href="#">PageToBleedGap</a>        |           | documentation<br>The minimum distance required between the trim of one page and the bleed of another page, when both pages are from different products.                                                                                                                                                                                                                                                         |
|  | <a href="#">GapBetweenPlacementGroups</a> | <a href="#">LinearDimension</a> <a href="#">PlacementGroupGapType</a> | 0         | documentation<br>The amount of space to insert between Placement Groups originating from one or more Product Groups. Defaults to "0".                                                                                                                                                                                                                                                                           |
|  | <a href="#">ComponentSelection</a>        | <a href="#">ComponentSelectionType</a>                                | All       | documentation<br>This specifies which components to plan. Default is All.<br>All: Plan all components in the project.<br>Tagged: Plan only components in the project that are tagged (seeComponent/@TaggedorComponentHints/@Taggedabout tagging).<br>Selected: Plan only components in the project that are tagged.<br>Filtered: Plan only components in the project that are filtered in the Component Picker. |
|  | <a href="#">CountMaxScenarios</a>         | derived by: <b>xs:integer</b>                                         | 1         |                                                                                                                                                                                                                                                                                                                                                                                                                 |
|  | <a href="#">Algorithm</a>                 | <a href="#">AlgorithmType</a>                                         | Automatic | documentation<br>Plan components using the selected algorithm.                                                                                                                                                                                                                                                                                                                                                  |
|  | <a href="#">ReplanExistingLayouts</a>     | <b>xs:boolean</b>                                                     | false     | documentation<br>If planned layouts exist, they are replanned when this is True.                                                                                                                                                                                                                                                                                                                                |
|  | <a href="#">SeparateOneSided</a>          | <b>xs:boolean</b>                                                     | false     | documentation<br>If true, AutoPlan will make one pass processing all the One-sided products, then make a separate pass for the Two-sided products. This means that there will never be a layout that has both. One-sided products will always be on a One-sided layout.                                                                                                                                         |

#### attribute **AutoPlan/@Name**

|            |                                                                                                                              |          |            |
|------------|------------------------------------------------------------------------------------------------------------------------------|----------|------------|
| type       | <a href="#">TextType</a> <b>Max</b>                                                                                          |          |            |
| properties | default                                                                                                                      | AutoPlan |            |
| facets     | Kind                                                                                                                         | Value    | Annotation |
|            | minLength                                                                                                                    | 0        |            |
|            | maxLength                                                                                                                    | 250      |            |
| annotation | documentation<br>A user-definable name for the Command Event. If not supplied, defaults to "AutoPlan". Up to 250 characters. |          |            |

#### attribute **AutoPlan/@UseLargestDatabasePressSheet**

|            |                                                                                                                                                                                                                                                                                                                                                                |
|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| type       | <b>xs:boolean</b>                                                                                                                                                                                                                                                                                                                                              |
| properties | use required                                                                                                                                                                                                                                                                                                                                                   |
| annotation | documentation<br>If this attribute is set to True, Metrix will find the largest sheet sizes in the database for each of the project component stocks that will fit on the press or presses. The press or presses will be determined from either the AutoPlanProductionMethod sub-element(s) or from the Layout element(s) in the MXML project file being read. |

#### attribute **AutoPlan/@AreaToStartTests**

|            |                                                                                                                                   |       |            |
|------------|-----------------------------------------------------------------------------------------------------------------------------------|-------|------------|
| type       | restriction of <b>xs:integer</b>                                                                                                  |       |            |
| properties | default                                                                                                                           | 80    |            |
| facets     | Kind                                                                                                                              | Value | Annotation |
|            | minInclusive                                                                                                                      | 0     |            |
|            | maxInclusive                                                                                                                      | 100   |            |
| annotation | documentation<br>A setting for the Auto Plan engine. If not provided, defaults to 80%. Has the same functionality as for the GUI. |       |            |

#### attribute **AutoPlan/@AutoLayoutTimeOutSeconds**

|              |                                                                                                                                                                           |            |       |            |              |   |  |              |    |  |
|--------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|-------|------------|--------------|---|--|--------------|----|--|
| type         | restriction of <b>xs:integer</b>                                                                                                                                          |            |       |            |              |   |  |              |    |  |
| properties   | default 3                                                                                                                                                                 |            |       |            |              |   |  |              |    |  |
| facets       | <table><tr><td>Kind</td><td>Value</td><td>Annotation</td></tr><tr><td>minInclusive</td><td>1</td><td></td></tr><tr><td>maxInclusive</td><td>60</td><td></td></tr></table> | Kind       | Value | Annotation | minInclusive | 1 |  | maxInclusive | 60 |  |
| Kind         | Value                                                                                                                                                                     | Annotation |       |            |              |   |  |              |    |  |
| minInclusive | 1                                                                                                                                                                         |            |       |            |              |   |  |              |    |  |
| maxInclusive | 60                                                                                                                                                                        |            |       |            |              |   |  |              |    |  |
| annotation   | <p>documentation</p> <p>The time out for each Auto Layout test used by Auto Plan. If not supplied, defaults to 3 seconds. Has the same functionality as for the GUI.</p>  |            |       |            |              |   |  |              |    |  |

#### attribute **AutoPlan/@TotalTimeOutPerStockSeconds**

|            |                                                                                                                                                                          |       |            |
|------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------------|
| type       | restriction of <b>xs:integer</b>                                                                                                                                         |       |            |
| properties | default                                                                                                                                                                  | 1800  |            |
| facets     | Kind                                                                                                                                                                     | Value | Annotation |
|            | minInclusive                                                                                                                                                             | 60    |            |
|            | maxInclusive                                                                                                                                                             | 86400 |            |
| annotation | documentation<br>The total Auto Plan time out for each type of stock in the project. If not supplied, defaults to 1,800 seconds (30 minutes). Valid values: 60 – 86,400. |       |            |

#### attribute **AutoPlan/@TotalTimeOutPerProductSeconds**

|            |                                                                                                                                                                                 |       |            |
|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------------|
| type       | restriction of <b>xs:integer</b>                                                                                                                                                |       |            |
| properties | default                                                                                                                                                                         | 1800  |            |
| facets     | Kind                                                                                                                                                                            | Value | Annotation |
|            | minInclusive                                                                                                                                                                    | 2     |            |
|            | maxInclusive                                                                                                                                                                    | 86400 |            |
| annotation | documentation<br>The total Auto Plan time out for each product in the project. If not supplied, defaults to 1,800 seconds (30 minutes). Valid values: 2 – 86,400. Default: 1800 |       |            |

### attribute **AutoPlan/@PageToBleedGap**

|            |                                                                                                                                                         |       |            |
|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------------|
| type       | <a href="#">LinearDimension</a> <a href="#">PageToBleedGap</a>                                                                                          |       |            |
| facets     | Kind                                                                                                                                                    | Value | Annotation |
|            | minInclusive                                                                                                                                            | 0     |            |
|            | maxInclusive                                                                                                                                            | 50.8  |            |
| annotation | documentation<br>The minimum distance required between the trim of one page and the bleed of another page, when both pages are from different products. |       |            |

### attribute **AutoPlan/@GapBetweenPlacementGroups**

|            |                                                                                                                                       |       |            |
|------------|---------------------------------------------------------------------------------------------------------------------------------------|-------|------------|
| type       | <a href="#">LinearDimension</a> <a href="#">PlacementGroupGapType</a>                                                                 |       |            |
| properties | default                                                                                                                               | 0     |            |
| facets     | Kind                                                                                                                                  | Value | Annotation |
|            | minInclusive                                                                                                                          | 0     |            |
|            | maxInclusive                                                                                                                          | 457.2 |            |
| annotation | documentation<br>The amount of space to insert between Placement Groups originating from one or more Product Groups. Defaults to "0". |       |            |

### attribute **AutoPlan/@ComponentSelection**

|            |                                                                                                                                                                                                                                                                                                                                                                                                                  |          |            |
|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|------------|
| type       | <a href="#">ComponentSelectionType</a>                                                                                                                                                                                                                                                                                                                                                                           |          |            |
| properties | default                                                                                                                                                                                                                                                                                                                                                                                                          | All      |            |
| facets     | Kind                                                                                                                                                                                                                                                                                                                                                                                                             | Value    | Annotation |
|            | enumeration                                                                                                                                                                                                                                                                                                                                                                                                      | All      |            |
|            | enumeration                                                                                                                                                                                                                                                                                                                                                                                                      | Selected |            |
|            | enumeration                                                                                                                                                                                                                                                                                                                                                                                                      | Tagged   |            |
|            | enumeration                                                                                                                                                                                                                                                                                                                                                                                                      | Filtered |            |
| annotation | documentation<br>This specifies which components to plan. Default is All.<br>All: Plan all components in the project.<br>Tagged: Plan only components in the project that are tagged (seeComponent/@Taggedor ComponentHints/@Taggedabout tagging).<br>Selected: Plan only components in the project that are tagged.<br>Filtered: Plan only components in the project that are filtered in the Component Picker. |          |            |

### attribute **AutoPlan/@CountMaxScenarios**

|            |                                  |       |            |
|------------|----------------------------------|-------|------------|
| type       | restriction of <b>xs:integer</b> |       |            |
| properties | default                          | 1     |            |
| facets     | Kind                             | Value | Annotation |
|            | minInclusive                     | 1     |            |
|            | maxInclusive                     | 10    |            |

### attribute **AutoPlan/@Algorithm**

|            |                               |           |            |
|------------|-------------------------------|-----------|------------|
| type       | <a href="#">AlgorithmType</a> |           |            |
| properties | default                       | Automatic |            |
| facets     | Kind                          | Value     | Annotation |
|            | enumeration                   | Classic   |            |
|            | enumeration                   | SameSize  |            |
|            | enumeration                   | Automatic |            |

|            |                                                                    |
|------------|--------------------------------------------------------------------|
|            | enumeration    DisplayGraphics<br>enumeration    MediaOptimization |
| annotation | documentation<br>Plan components using the selected algorithm.     |

#### attribute **AutoPlan/@ReplanExistingLayouts**

|            |                                                                                  |
|------------|----------------------------------------------------------------------------------|
| type       | <b>xs:boolean</b>                                                                |
| properties | default    false                                                                 |
| annotation | documentation<br>If planned layouts exist, they are replanned when this is True. |

#### attribute **AutoPlan/@SeparateOneSided**

|            |                                                                                                                                                                                                                                                                         |
|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| type       | <b>xs:boolean</b>                                                                                                                                                                                                                                                       |
| properties | default    false                                                                                                                                                                                                                                                        |
| annotation | documentation<br>If true, AutoPlan will make one pass processing all the One-sided products, then make a separate pass for the Two-sided products. This means that there will never be a layout that has both. One-sided products will always be on a One-sided layout. |

#### element **AutoPlanHints**

|            |                                                                                                                                                                                                                                                 |
|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| properties | content    complex                                                                                                                                                                                                                              |
| children   | <a href="#">PrintingMethods</a> <a href="#">PressRefPool</a> <a href="#">StockSheetRefPool</a> <a href="#">ComponentRefPool</a> <a href="#">PreferredSolution</a> <a href="#">DieCutterToolRefPool</a><br><a href="#">CuttingMachineRefPool</a> |
| used by    | element <a href="#">LayoutPool</a>                                                                                                                                                                                                              |
| annotation | documentation<br>AutoPlanHints is only supported or allowed by Metrix Automation Server.                                                                                                                                                        |

#### element **AutoPlanProductionMethod**

|            |                                                                                                     |                                                                |                 |         |       |                                                                                                                                                                        |
|------------|-----------------------------------------------------------------------------------------------------|----------------------------------------------------------------|-----------------|---------|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| properties | content    complex                                                                                  |                                                                |                 |         |       |                                                                                                                                                                        |
| children   | <a href="#">PressRef</a> <a href="#">CuttingMachineRef</a> <a href="#">DigitalCuttingMachineRef</a> |                                                                |                 |         |       |                                                                                                                                                                        |
| used by    | element <a href="#">AutoPlan</a>                                                                    |                                                                |                 |         |       |                                                                                                                                                                        |
| attributes | Name<br><a href="#">Number</a>                                                                      | Type<br><b>derived by: xs:integer</b>                          | Use<br>required | Default | Fixed | Annotation<br>documentation<br>Identifies the<br>AutoPlanProductionMethod<br>element within the<br>AutoPlan element.                                                   |
|            | <a href="#">PrintingMethod</a>                                                                      | <a href="#">PrintingMethodType</a>                             | required        |         |       | documentation<br>The layout's printing<br>method.                                                                                                                      |
|            | <a href="#">PageToBleedGap</a>                                                                      | <a href="#">LinearDimension</a> <a href="#">PageToBleedGap</a> |                 |         |       | documentation<br>The minimum distance<br>required between the trim<br>of one page and the bleed<br>of another page, when both<br>pages are from different<br>products. |
|            | <a href="#">Cutter</a>                                                                              | <a href="#">RefIDType</a>                                      |                 |         |       | documentation<br>Identifies the cutting<br>machine to be used.                                                                                                         |

attribute **AutoPlanProductionMethod/@Number**

|            |                                                                                               |       |            |
|------------|-----------------------------------------------------------------------------------------------|-------|------------|
| type       | restriction of <b>xs:integer</b>                                                              |       |            |
| properties | use required                                                                                  |       |            |
| facets     | Kind                                                                                          | Value | Annotation |
|            | minInclusive                                                                                  | 1     |            |
|            | maxInclusive                                                                                  | 2     |            |
| annotation | documentation<br>Identifies the AutoPlanProductionMethod element within the AutoPlan element. |       |            |

attribute **AutoPlanProductionMethod/@PrintingMethod**

|            |                                                |               |            |
|------------|------------------------------------------------|---------------|------------|
| type       | <a href="#">PrintingMethodType</a>             |               |            |
| properties | use required                                   |               |            |
| facets     | Kind                                           | Value         | Annotation |
|            | enumeration                                    | OneSided      |            |
|            | enumeration                                    | Sheetwise     |            |
|            | enumeration                                    | WorkAndTurn   |            |
|            | enumeration                                    | WorkAndTumble |            |
|            | enumeration                                    | Perfected     |            |
| annotation | documentation<br>The layout's printing method. |               |            |

attribute **AutoPlanProductionMethod/@PageToBleedGap**

|            |                                                                                                                                                         |       |            |
|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------------|
| type       | <a href="#">LinearDimension</a> <a href="#">PageToBleedGap</a>                                                                                          |       |            |
| facets     | Kind                                                                                                                                                    | Value | Annotation |
|            | minInclusive                                                                                                                                            | 0     |            |
|            | maxInclusive                                                                                                                                            | 50.8  |            |
| annotation | documentation<br>The minimum distance required between the trim of one page and the bleed of another page, when both pages are from different products. |       |            |

attribute **AutoPlanProductionMethod/@Cutter**

|            |                                                             |       |            |
|------------|-------------------------------------------------------------|-------|------------|
| type       | <a href="#">RefIDType</a>                                   |       |            |
| facets     | Kind                                                        | Value | Annotation |
|            | minLength                                                   | 0     |            |
|            | maxLength                                                   | 250   |            |
| annotation | documentation<br>Identifies the cutting machine to be used. |       |            |

element **AutoProduction**

|            |                                                                                                |      |    |         |                 |
|------------|------------------------------------------------------------------------------------------------|------|----|---------|-----------------|
| properties | content complex                                                                                |      |    |         |                 |
| children   | <a href="#">PrintingMethods</a> <a href="#">PressRefPool</a> <a href="#">StockSheetRefPool</a> |      |    |         |                 |
| used by    | element <a href="#">Run</a>                                                                    |      |    |         |                 |
| attribute  | Name                                                                                           | Type | Us | Default | Fixe Annotation |

|   |                                            |                                                       |   |                |   |                                                                                                                                                                                                                     |
|---|--------------------------------------------|-------------------------------------------------------|---|----------------|---|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| s | <a href="#">Name</a>                       | <a href="#">TextType Max</a>                          | e | AutoProduction | d | documentation<br>A user-definable name for the Command Event. If not supplied, defaults to "AutoProduction". Up to 250 characters.                                                                                  |
|   | <a href="#">TimeOutSeconds</a>             | derived by: xs:integer                                |   | 45             |   | documentation<br>The longest amount of time Metrix will work on calculating each test layout before timing out. Increase this number if you want to give the Metrix engine more calculation time. Defaults to "45". |
|   | <a href="#">PlacementOrigin</a>            | <a href="#">LeftRightType</a>                         |   | Left           |   | documentation<br>Metrix begins placing products on this edge of the sheet.                                                                                                                                          |
|   | <a href="#">WorkAndTurnPlacementOrigin</a> | <a href="#">WorkAndTurnOriginType</a>                 |   | Center         |   | documentation<br>Metrix begins placing products at this point on a work and turn layout.                                                                                                                            |
|   | <a href="#">AutoCenterHorizontally</a>     | xs:boolean                                            |   | true           |   | documentation<br>Default may be set by the "engine.autoCenterHorizontal" preference. Setting this to True automatically centers all layouts horizontally.                                                           |
|   | <a href="#">AutoCenterVertically</a>       | <a href="#">AutoCenterVerticallyType</a>              |   | False          |   | documentation<br>Default may be set by the "engine.autoCenterVertical" preference. Setting this to True automatically centers all layouts vertically.                                                               |
|   | <a href="#">IgnoreIfHasInstances</a>       | xs:boolean                                            |   | false          |   | documentation<br>Allows AutoLayout to skip running against any layout that already has component instances. It will run against the layout only if it has components, but nothing has been placed on the layout.    |
|   | <a href="#">AutoAlignOutsideCuts</a>       | xs:boolean                                            |   | false          |   | documentation<br>Setting this to True automatically aligns the outside (horizontal and vertical) cuts of products on layouts, leaving any extra space in the interior of the layout.                                |
|   | <a href="#">AutoAlignOutsideEdges</a>      | xs:boolean                                            |   | false          |   | Renamed in MXML 1.5.2 (both still honored)<br>[Old name: AutoAlignOutsideEdges]<br>documentation<br>Old name for AutoAlignOutsideCuts. Renamed in MXML 1.5.2 (both are still honored).                              |
|   | <a href="#">GapBetweenPlacementGroups</a>  | <a href="#">LinearDimension PlacementGroupGapType</a> |   | 0              |   | documentation<br>The amount of space to                                                                                                                                                                             |

|  |                                |                   |       |                                                                                                                                                                                                             |
|--|--------------------------------|-------------------|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | <a href="#">ApplyStandards</a> | <b>xs:boolean</b> | false | insert between Placement Groups originating from one or more Product Groups. Defaults to "0".<br>documentation<br>Applies the standard previously saved for this type of layout, when Metrix finds a match. |
|--|--------------------------------|-------------------|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

attribute **AutoProduction/@Name**

|            |                                                                                                                                    |                |            |
|------------|------------------------------------------------------------------------------------------------------------------------------------|----------------|------------|
| type       | <a href="#">TextType Max</a>                                                                                                       |                |            |
| properties | default                                                                                                                            | AutoProduction |            |
| facets     | Kind                                                                                                                               | Value          | Annotation |
|            | minLength                                                                                                                          | 0              |            |
|            | maxLength                                                                                                                          | 250            |            |
| annotation | documentation<br>A user-definable name for the Command Event. If not supplied, defaults to "AutoProduction". Up to 250 characters. |                |            |

attribute **AutoProduction/@ApplyStandards**

|            |                                                                                                            |       |  |
|------------|------------------------------------------------------------------------------------------------------------|-------|--|
| type       | xs:boolean                                                                                                 |       |  |
| properties | default                                                                                                    | false |  |
| annotation | documentation<br>Applies the standard previously saved for this type of layout, when Metrix finds a match. |       |  |

element **BackInkPool**

|            |                        |                                                          |
|------------|------------------------|----------------------------------------------------------|
| properties | content                | complex                                                  |
| children   | <a href="#">InkRef</a> |                                                          |
| used by    | elements               | <a href="#">Component</a> <a href="#">ComponentHints</a> |

element **BackInkPool/InkRef**

|            |                                        |                           |     |         |       |            |
|------------|----------------------------------------|---------------------------|-----|---------|-------|------------|
| type       | <a href="#">ResourceRefElementType</a> |                           |     |         |       |            |
| properties | minOcc                                 | 0                         |     |         |       |            |
|            | maxOcc                                 | unbounded                 |     |         |       |            |
|            | content                                | complex                   |     |         |       |            |
| attributes | Name                                   | Type                      | Use | Default | Fixed | Annotation |
|            | <a href="#">rRef</a>                   | <a href="#">RefIDType</a> |     |         |       |            |

element **BarcodeMark**

|            |                                                           |                                     |          |         |       |                                                   |
|------------|-----------------------------------------------------------|-------------------------------------|----------|---------|-------|---------------------------------------------------|
| properties | content    complex                                        |                                     |          |         |       |                                                   |
| children   | <a href="#">BarcodeParams</a>                             |                                     |          |         |       |                                                   |
| used by    | elements <a href="#">MarkPool</a> <a href="#">MarkSet</a> |                                     |          |         |       |                                                   |
| attributes | Name                                                      | Type                                | Use      | Default | Fixed | Annotation                                        |
|            | <a href="#">HorizontalOffset</a>                          | <a href="#">LinearDimensionType</a> | required |         |       | documentation                                     |
|            |                                                           |                                     |          |         |       | The horizontal offset amount of the mark from the |
|            |                                                           |                                     |          |         |       |                                                   |

|  |                                        |                                        |          |                                                                                                  |
|--|----------------------------------------|----------------------------------------|----------|--------------------------------------------------------------------------------------------------|
|  | <a href="#">LayoutAnchorHorizontal</a> | <a href="#">MarkAnchorLocationType</a> | required | lower-left corner of the sheet.<br>documentation<br>Horizontal anchor point on the layout.       |
|  | <a href="#">LayoutAnchorObject</a>     | <a href="#">MarkAnchorObjectType</a>   | required | documentation<br>Mark is anchored relative to the selected object.                               |
|  | <a href="#">LayoutAnchorVertical</a>   | <a href="#">MarkAnchorLocationType</a> | required | documentation<br>Vertical anchor point on the layout.                                            |
|  | <a href="#">MarkAnchorHorizontal</a>   | <a href="#">MarkAnchorLocationType</a> | required | documentation<br>Mark horizontal anchor point.                                                   |
|  | <a href="#">MarkAnchorVertical</a>     | <a href="#">MarkAnchorLocationType</a> | required | documentation<br>Mark vertical anchor point.                                                     |
|  | <a href="#">MirrorBackup</a>           | xs:boolean                             | required | documentation<br>When True, the position of the mark on the back mirrors the front.              |
|  | <a href="#">OverPageContent</a>        | xs:boolean                             | required | documentation<br>When True, marks will overprint page content.                                   |
|  | <a href="#">Output</a>                 | <a href="#">MarkOutputType</a>         | required | documentation<br>Mark output type.                                                               |
|  | <a href="#">Placement</a>              | <a href="#">MarkPlacementType</a>      | required | documentation<br>Side(s) of the layout on which to place the mark.                               |
|  | <a href="#">VerticalOffset</a>         | <a href="#">LinearDimensionType</a>    | required | documentation<br>The vertical offset amount of the mark from the lower-left corner of the sheet. |
|  | <a href="#">Rotation</a>               | xs:integer                             | required | documentation<br>The rotation of the mark relative to the sheet.                                 |

attribute BarcodeMark/@Rotation

|            |               |
|------------|---------------|
| type       | xs:integer    |
| properties | use required  |
| annotation | documentation |

|  |                                                 |
|--|-------------------------------------------------|
|  | The rotation of the mark relative to the sheet. |
|--|-------------------------------------------------|

## element **BarcodeParams**

|            |                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                     |         |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|---------|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| type       | extension of <b>xs:string</b>                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                     |         |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| properties | content    complex                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                     |         |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| used by    | element <a href="#">BarcodeMark</a>                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                     |         |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| attributes | Name<br><a href="#">BarHeight</a><br><br><a href="#">HumanReadableText</a><br><br><a href="#">IncludeChecksum</a><br><a href="#">MinBarWidth</a><br><br><a href="#">ShowChecksumInText</a><br><a href="#">SideQuietZone</a><br><br><a href="#">Text</a><br><br><a href="#">TextPointSize</a><br><br><a href="#">TopBottomQuietZone</a><br><br><a href="#">Type</a><br><br><a href="#">UIDisplayMeasurementUnit</a> | Type<br><a href="#">LinearDimensionType</a><br><br><b>xs:string</b><br><br><b>xs:boolean</b><br><a href="#">LinearDimensionType</a><br><br><b>xs:boolean</b><br><a href="#">LinearDimensionType</a><br><br><b>derived by: xs:string</b><br><br><a href="#">LinearDimensionType</a><br><br><a href="#">LinearDimensionType</a><br><br><a href="#">MarkBarcodeType</a><br><br><a href="#">BarcodeUnitsType</a> | Use<br>required<br><br><br>required<br>required<br><br>required<br>required<br><br>required<br>required<br><br>required<br>required | Default | Fixed | Annotation<br>documentation<br>Units are specified by<br>UIDisplayMeasurementUnit<br>documentation<br>The human-readable text to insert underneath the barcode. Use "less than"!"greater than" to insert line breaks. Length: 0 – 100 characters.<br>See the<br>BarcodeProperties/@BarcodeText description about XML markup.<br><br><br><br>documentation<br>Units are specified by<br>UIDisplayMeasurementUnit<br><br><br><br>documentation<br>Units are specified by<br>UIDisplayMeasurementUnit<br>documentation<br>User-definable text to include in the barcode. Up to 999 characters.<br>documentation<br>Units are specified by<br>UIDisplayMeasurementUnit<br>documentation<br>Units are specified by<br>UIDisplayMeasurementUnit<br>documentation<br>Type of barcode mark.<br>documentation<br>Measurement unit shown in the UI for the mark. |

## attribute **BarcodeParams/@BarHeight**

|            |                                                                  |
|------------|------------------------------------------------------------------|
| type       | <a href="#">LinearDimensionType</a>                              |
| properties | use required                                                     |
| annotation | documentation<br>Units are specified by UIDisplayMeasurementUnit |

## attribute **BarcodeParams/@HumanReadableText**

|            |                                                                                                                                                                                                                                      |
|------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| type       | <b>xs:string</b>                                                                                                                                                                                                                     |
| annotation | documentation<br>The human-readable text to insert underneath the barcode. Use "less than"!"greater than" to insert line breaks. Length: 0 – 100 characters.<br>See the BarcodeProperties/@BarcodeText description about XML markup. |

|  |  |
|--|--|
|  |  |
|--|--|

attribute **BarcodeParams/@IncludeChecksum**

|            |                   |
|------------|-------------------|
| type       | <b>xs:boolean</b> |
| properties | use required      |

attribute **BarcodeParams/@MinBarWidth**

|            |                                                                  |
|------------|------------------------------------------------------------------|
| type       | <a href="#">LinearDimensionType</a>                              |
| properties | use required                                                     |
| annotation | documentation<br>Units are specified by UIDisplayMeasurementUnit |

attribute **BarcodeParams/@ShowChecksumInText**

|            |                   |
|------------|-------------------|
| type       | <b>xs:boolean</b> |
| properties | use required      |

attribute **BarcodeParams/@SideQuietZone**

|            |                                                                  |
|------------|------------------------------------------------------------------|
| type       | <a href="#">LinearDimensionType</a>                              |
| properties | use required                                                     |
| annotation | documentation<br>Units are specified by UIDisplayMeasurementUnit |

attribute **BarcodeParams/@Text**

|            |                                                                                       |
|------------|---------------------------------------------------------------------------------------|
| type       | restriction of <b>xs:string</b>                                                       |
| properties | use required                                                                          |
| facets     | Kind Value Annotation<br>maxLength 999                                                |
| annotation | documentation<br>User-definable text to include in the barcode. Up to 999 characters. |

attribute **BarcodeParams/@TextPointSize**

|            |                                                                  |
|------------|------------------------------------------------------------------|
| type       | <a href="#">LinearDimensionType</a>                              |
| properties | use required                                                     |
| annotation | documentation<br>Units are specified by UIDisplayMeasurementUnit |

attribute **BarcodeParams/@TopBottomQuietZone**

|            |                                                                  |
|------------|------------------------------------------------------------------|
| type       | <a href="#">LinearDimensionType</a>                              |
| properties | use required                                                     |
| annotation | documentation<br>Units are specified by UIDisplayMeasurementUnit |

attribute **BarcodeParams/@Type**

|            |                                        |                    |            |
|------------|----------------------------------------|--------------------|------------|
| type       | <a href="#">MarkBarcodeType</a>        |                    |            |
| properties | use required                           |                    |            |
| facets     | Kind                                   | Value              | Annotation |
|            | enumeration                            | Code 128           |            |
|            | enumeration                            | Interleaved 2 of 5 |            |
|            | enumeration                            | Code 39            |            |
|            | enumeration                            | Code 39_DX         |            |
|            | enumeration                            | QR                 |            |
|            | enumeration                            | Datamatrix         |            |
| annotation | documentation<br>Type of barcode mark. |                    |            |

attribute **BarcodeParams/@UIDisplayMeasurementUnit**

|            |                                                                 |             |            |
|------------|-----------------------------------------------------------------|-------------|------------|
| type       | <a href="#">BarcodeUnitsType</a>                                |             |            |
| properties | use required                                                    |             |            |
| facets     | Kind                                                            | Value       | Annotation |
|            | enumeration                                                     | Millimeters |            |
|            | enumeration                                                     | Inches      |            |
|            | enumeration                                                     | Points      |            |
| annotation | documentation<br>Measurement unit shown in the UI for the mark. |             |            |

element **BarcodeProperties**

|            |                             |                              |          |         |       |                                                                                                                                                                                                                                                                                                                                                                             |
|------------|-----------------------------|------------------------------|----------|---------|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| properties | content complex             |                              |          |         |       |                                                                                                                                                                                                                                                                                                                                                                             |
| children   | <a href="#">InkRef</a>      |                              |          |         |       |                                                                                                                                                                                                                                                                                                                                                                             |
| used by    | element                     | <a href="#">ResourcePool</a> |          |         |       |                                                                                                                                                                                                                                                                                                                                                                             |
| attributes | Name                        | Type                         | Use      | Default | Fixed | Annotation                                                                                                                                                                                                                                                                                                                                                                  |
|            | <a href="#">ID</a>          | <a href="#">RefIDType</a>    | required |         |       | documentation<br>An identifier for the element, unique within the scope of the MXML document. The ID attribute can be used as a reference to the element from elsewhere in the MXML document. Up to 250 characters.                                                                                                                                                         |
|            | <a href="#">BarcodeText</a> | <a href="#">TextType_Max</a> | required |         |       | documentation<br>Barcode text, static and/or variable. Length: 0 – 250 characters.<br>May use the text and barcode mark variables supported by Metrix but note that since all Metrix variables begin and end with the "less than" and "greater than" symbols and these are XML markup characters, these characters need to be escaped within MXML as:<br>"less than" = &lt; |

|                                          |                                                   |          |                                                                                                                                                                                                                                                                           |
|------------------------------------------|---------------------------------------------------|----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <a href="#">HumanReadableText</a>        | <a href="#">TextType Barcode</a>                  | required | <p>"greater than" = &amp;gt;<br/>documentation</p> <p>The human-readable text to insert underneath the barcode. Use "less than!"greater than" to insert line breaks. Length: 0 – 255 characters. See the BarcodeProperties/@BarcodeText description about XML markup.</p> |
| <a href="#">TextPointSizePoints</a>      | <a href="#">PointsType BarcodeMarkFontSize</a>    | required | <p>documentation</p> <p>Human-readable text point size. Valid range: 0 – 144 points.</p>                                                                                                                                                                                  |
| <a href="#">BarHeightPoints</a>          | <a href="#">PointsType BarcodeMarkBarHeight</a>   | required | <p>documentation</p> <p>Barcode height. Valid range: 0 – 144 points.</p>                                                                                                                                                                                                  |
| <a href="#">MinimumBarWidthPoints</a>    | <a href="#">PointsType BarcodeMarkBarWidthMin</a> | required | <p>documentation</p> <p>The calculated width of the barcode mark. Valid range: 0 – 6 points.</p>                                                                                                                                                                          |
| <a href="#">SizeQuietZonePoints</a>      | <a href="#">PointsType BarcodeSideQuietZone</a>   | required | <p>documentation</p> <p>Blank space to leave at the sides of the barcode. Valid range: 0 – 72 points.</p>                                                                                                                                                                 |
| <a href="#">TopQuietZonePoints</a>       | <a href="#">PointsType BarcodeTopQuietZone</a>    | required | <p>documentation</p> <p>Blank space to leave at the top of the barcode. Valid range: 0 – 72 points.</p>                                                                                                                                                                   |
| <a href="#">UIDisplayMeasurementUnit</a> | <a href="#">BarcodeUnitsType</a>                  |          | <p>documentation</p> <p>Measurement units as shown in the UI.</p>                                                                                                                                                                                                         |
| <a href="#">IncludeChecksum</a>          | xs:boolean                                        | false    |                                                                                                                                                                                                                                                                           |
| <a href="#">ShowChecksumInText</a>       | xs:boolean                                        | false    |                                                                                                                                                                                                                                                                           |
| <a href="#">AllSeparations</a>           | xs:boolean                                        | required | <p>documentation</p> <p>Whether the BarcodeProperties prints in All Separations. If not, the InkRef will refer to the Ink element the BarcodeProperties should print.</p>                                                                                                 |

#### attribute **BarcodeProperties/@ID**

|            |                                                                                                                                                                                                                                |       |            |
|------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------------|
| type       | <a href="#">RefIDType</a>                                                                                                                                                                                                      |       |            |
| properties | use required                                                                                                                                                                                                                   |       |            |
| facets     | Kind                                                                                                                                                                                                                           | Value | Annotation |
|            | minLength                                                                                                                                                                                                                      | 0     |            |
|            | maxLength                                                                                                                                                                                                                      | 250   |            |
| annotation | <p>documentation</p> <p>An identifier for the element, unique within the scope of the MXML document. The ID attribute can be used as a reference to the element from elsewhere in the MXML document. Up to 250 characters.</p> |       |            |

#### attribute **BarcodeProperties/@BarcodeText**

|            |                              |       |            |
|------------|------------------------------|-------|------------|
| type       | <a href="#">TextType Max</a> |       |            |
| properties | use required                 |       |            |
| facets     | Kind                         | Value | Annotation |
|            | minLength                    | 0     |            |
|            | maxLength                    | 250   |            |

|            |                                                                                                                                                                                                                                                                                                                                                                                                      |
|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| annotation | documentation<br>Barcode text, static and/or variable. Length: 0 – 250 characters.<br>May use the text and barcode mark variables supported by Metrix but note that since all Metrix variables begin and end with the "less than" and "greater than" symbols and these are XML markup characters, these characters need to be escaped within MXML as:<br>"less than" = &lt;<br>"greater than" = &gt; |
|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

#### attribute **BarcodeProperties/@HumanReadableText**

|            |                                                                                                                                                                                                                                      |          |            |
|------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|------------|
| type       | <a href="#">TextType Barcode</a>                                                                                                                                                                                                     |          |            |
| properties | use                                                                                                                                                                                                                                  | required |            |
| facets     | Kind                                                                                                                                                                                                                                 | Value    | Annotation |
|            | minLength                                                                                                                                                                                                                            | 0        |            |
|            | maxLength                                                                                                                                                                                                                            | 255      |            |
| annotation | documentation<br>The human-readable text to insert underneath the barcode. Use "less than"!"greater than" to insert line breaks. Length: 0 – 255 characters.<br>See the BarcodeProperties/@BarcodeText description about XML markup. |          |            |

#### attribute **BarcodeProperties/@TextPointSizePoints**

|            |                                                                               |          |            |
|------------|-------------------------------------------------------------------------------|----------|------------|
| type       | <a href="#">PointsType BarcodeMarkFontSize</a>                                |          |            |
| properties | use                                                                           | required |            |
| facets     | Kind                                                                          | Value    | Annotation |
|            | minInclusive                                                                  | 0        |            |
|            | maxInclusive                                                                  | 144      |            |
| annotation | documentation<br>Human-readable text point size. Valid range: 0 – 144 points. |          |            |

#### attribute **BarcodeProperties/@BarHeightPoints**

|            |                                                              |          |            |
|------------|--------------------------------------------------------------|----------|------------|
| type       | <a href="#">PointsType BarcodeMarkBarHeight</a>              |          |            |
| properties | use                                                          | required |            |
| facets     | Kind                                                         | Value    | Annotation |
|            | minInclusive                                                 | 0        |            |
|            | maxInclusive                                                 | 144      |            |
| annotation | documentation<br>Barcode height.Valid range: 0 – 144 points. |          |            |

#### attribute **BarcodeProperties/@MinimumBarWidthPoints**

|            |                                                                                       |          |            |
|------------|---------------------------------------------------------------------------------------|----------|------------|
| type       | <a href="#">PointsType BarcodeMarkBarWidthMin</a>                                     |          |            |
| properties | use                                                                                   | required |            |
| facets     | Kind                                                                                  | Value    | Annotation |
|            | minInclusive                                                                          | 0        |            |
|            | maxInclusive                                                                          | 6        |            |
| annotation | documentation<br>The calculated width of the barcode mark. Valid range: 0 – 6 points. |          |            |

#### attribute **BarcodeProperties/@SizeQuietZonePoints**

|      |                                                 |  |  |
|------|-------------------------------------------------|--|--|
| type | <a href="#">PointsType BarcodeSideQuietZone</a> |  |  |
|------|-------------------------------------------------|--|--|

|            |                                                                                                |       |            |
|------------|------------------------------------------------------------------------------------------------|-------|------------|
| properties | use required                                                                                   |       |            |
| facets     | Kind                                                                                           | Value | Annotation |
|            | minInclusive                                                                                   | 0     |            |
|            | maxInclusive                                                                                   | 72    |            |
| annotation | documentation<br>Blank space to leave at the sides of the barcode. Valid range: 0 – 72 points. |       |            |

#### attribute **BarcodeProperties/@TopQuietZonePoints**

|            |                                                                                              |          |            |
|------------|----------------------------------------------------------------------------------------------|----------|------------|
| type       | <a href="#">PointsType BarcodeTopQuietZone</a>                                               |          |            |
| properties | use                                                                                          | required |            |
| facets     | Kind                                                                                         | Value    | Annotation |
|            | minInclusive                                                                                 | 0        |            |
|            | maxInclusive                                                                                 | 72       |            |
| annotation | documentation<br>Blank space to leave at the top of the barcode. Valid range: 0 – 72 points. |          |            |

#### attribute **BarcodeProperties/@UIDisplayMeasurementUnit**

|            |                                                        |             |            |
|------------|--------------------------------------------------------|-------------|------------|
| type       | <a href="#">BarcodeUnitsType</a>                       |             |            |
| facets     | Kind                                                   | Value       | Annotation |
|            | enumeration                                            | Millimeters |            |
|            | enumeration                                            | Inches      |            |
|            | enumeration                                            | Points      |            |
| annotation | documentation<br>Measurement units as shown in the UI. |             |            |

#### attribute **BarcodeProperties/@IncludeChecksum**

|            |                   |
|------------|-------------------|
| type       | <b>xs:boolean</b> |
| properties | default false     |

#### attribute **BarcodeProperties/@ShowChecksumInText**

|            |                   |
|------------|-------------------|
| type       | <b>xs:boolean</b> |
| properties | default false     |

#### attribute **BarcodeProperties/@AllSeparations**

|            |                                                                                                                                                                |
|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| type       | <b>xs:boolean</b>                                                                                                                                              |
| properties | use required                                                                                                                                                   |
| annotation | documentation<br>Whether the BarcodeProperties prints in All Separations. If not, the InkRef will refer to the Ink element the BarcodeProperties should print. |

#### element **BarcodeProperties/InkRef**

|            |                                                                                                                                     |        |   |        |   |         |         |
|------------|-------------------------------------------------------------------------------------------------------------------------------------|--------|---|--------|---|---------|---------|
| type       | <a href="#">ResourceRefElementType</a>                                                                                              |        |   |        |   |         |         |
| properties | <table> <tr> <td>minOcc</td><td>0</td></tr> <tr> <td>maxOcc</td><td>1</td></tr> <tr> <td>content</td><td>complex</td></tr> </table> | minOcc | 0 | maxOcc | 1 | content | complex |
| minOcc     | 0                                                                                                                                   |        |   |        |   |         |         |
| maxOcc     | 1                                                                                                                                   |        |   |        |   |         |         |
| content    | complex                                                                                                                             |        |   |        |   |         |         |

|            |                                                                               |                                   |     |         |       |            |
|------------|-------------------------------------------------------------------------------|-----------------------------------|-----|---------|-------|------------|
| attributes | Name<br><a href="#">rRef</a>                                                  | Type<br><a href="#">RefIDType</a> | Use | Default | Fixed | Annotation |
| annotation | documentation<br>Required if AllSeparations is False, otherwise not required. |                                   |     |         |       |            |

element **BarcodePropertiesRef**

|            |                              |                                          |     |         |       |            |
|------------|------------------------------|------------------------------------------|-----|---------|-------|------------|
| properties | content                      | complex                                  |     |         |       |            |
| used by    | element                      | <a href="#">ExportBarcodedImposedPDF</a> |     |         |       |            |
| attributes | Name<br><a href="#">rRef</a> | Type<br><a href="#">RefIDType</a>        | Use | Default | Fixed | Annotation |

attribute **BarcodePropertiesRef/@rRef**

|        |                           |       |            |  |  |  |
|--------|---------------------------|-------|------------|--|--|--|
| type   | <a href="#">RefIDType</a> |       |            |  |  |  |
| facets | Kind                      | Value | Annotation |  |  |  |
|        | minLength                 | 0     |            |  |  |  |
|        | maxLength                 | 250   |            |  |  |  |

element **BestOf**

|            |                        |                          |
|------------|------------------------|--------------------------|
| properties | content                | complex                  |
| children   | <a href="#">Layout</a> |                          |
| used by    | element                | <a href="#">AutoPlan</a> |

element **BindingMachine**

|                      |                           |                              |                                          |            |
|----------------------|---------------------------|------------------------------|------------------------------------------|------------|
| type<br>alternatives | Test                      | XPathDefaultNs               | Type                                     | Annotation |
|                      | count(attribute::* eq '2' |                              | <a href="#">PlantReference</a>           |            |
|                      | count(attribute::* gt '2' |                              | <a href="#">BindingMachineDefinition</a> |            |
| used by              | element                   | <a href="#">ResourcePool</a> |                                          |            |

element **CheckLayoutSheetAreaUse**

|            |                                                 |                                          |          |                                        |       |                                                                                                                                                                                                                                                                                                                                                          |
|------------|-------------------------------------------------|------------------------------------------|----------|----------------------------------------|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| properties | content                                         | complex                                  |          |                                        |       |                                                                                                                                                                                                                                                                                                                                                          |
| used by    | element                                         | <a href="#">Run</a>                      |          |                                        |       |                                                                                                                                                                                                                                                                                                                                                          |
| attributes | Name<br><br><a href="#">Name</a>                | Type<br><br><a href="#">TextType Max</a> | Use      | Default<br><br>CheckLayoutSheetAreaUse | Fixed | Annotation<br><br>documentation<br>A user-definable name for the Command Event. If not supplied, defaults to "CheckLayoutSheetAreaUse". Up to 250 characters.<br>documentation<br>The minimum percentage of imposed component area divided by sheet area required for exporting to be allowed (see Layout/@PercentageSheetUse ). A floating point number |
|            | <a href="#">OnlyExportIfSheetAreaUseAtLeast</a> | derived by:<br>xs:float                  | required |                                        |       |                                                                                                                                                                                                                                                                                                                                                          |

|  |                                                                         |
|--|-------------------------------------------------------------------------|
|  | from 0 to 100.<br>Note: Only applies to layouts that are not standards. |
|--|-------------------------------------------------------------------------|

attribute **CheckLayoutSheetAreaUse/@Name**

|            |                                                                                                                                             |
|------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| type       | <a href="#">TextType Max</a>                                                                                                                |
| properties | default    CheckLayoutSheetAreaUse                                                                                                          |
| facets     | <div>Kind</div> <div>Value</div> <div>Annotation</div> <div>minLength    0</div> <div>maxLength    250</div>                                |
| annotation | documentation<br>A user-definable name for the Command Event. If not supplied, defaults to "CheckLayoutSheetAreaUse". Up to 250 characters. |

attribute **CheckLayoutSheetAreaUse/@OnlyExportIfSheetAreaUseAtLeast**

|            |                                                                                                                                                                                                                                                                |
|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| type       | restriction of <b>xs:float</b>                                                                                                                                                                                                                                 |
| properties | use    required                                                                                                                                                                                                                                                |
| facets     | <div>Kind</div> <div>Value</div> <div>Annotation</div> <div>minInclusive    0</div> <div>maxInclusive    100</div>                                                                                                                                             |
| annotation | documentation<br>The minimum percentage of imposed component area divided by sheet area required for exporting to be allowed (see Layout/@PercentageSheetUse). A floating point number from 0 to 100.<br>Note: Only applies to layouts that are not standards. |

element **CheckProductContent**

|            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| properties | content    complex                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| used by    | element <a href="#">Run</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| attributes | <div> <div> <div>Name</div> <div><a href="#">Name</a></div> </div> <div> <div>Type</div> <div><a href="#">TextType Max</a></div> </div> <div> <div>Use</div> <div></div> </div> <div> <div>Default</div> <div>CheckProductContent</div> </div> <div> <div>Fixed</div> <div></div> </div> <div> <div>Annotation</div> <div> documentation<br/> A user-definable name for the Command Event. If not supplied, defaults to "CheckProductContent". Up to 250 characters. </div> </div> </div> <div> <div> <div><a href="#">IfAnyProductHasNoContent</a></div> <div><a href="#">ContentCheckType</a></div> <div>required</div> </div> <div> <div>documentation</div> <div> The action to be taken if any product (or product part in the case of a bound product with a text and cover) has no content file specified.<br/> Ignore: Does nothing if a product has no content file specified.<br/> DisallowExporting: If a product has no content file specified, exporting is disallowed but processing will continue.<br/> Fail: If a product has no content file specified, processing fails </div> </div> </div> |

|  |                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|--|---------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | <a href="#">IfAnyProductContentIsNotAvailable</a> <a href="#">ContentCheckType</a> required | <p>immediately.<br/>documentation</p> <p>The action to be taken if any specified product content is not available, doesn't have the correct number of pages, or is not the right size (considering the relevant content positioning rule).</p> <p>Ignore: Does nothing if any content file is not found or appropriate. Any later export command requiring content (e.g., Imposed PDF) will fail when content is accessed.</p> <p>DisallowExporting: If any content file is not found or appropriate exporting is disallowed but processing will continue.</p> <p>Fail: If any content file is not found or appropriate processing fails immediately.</p> |
|--|---------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

#### attribute **CheckProductContent/@Name**

|            |                                                                                                                                         |                     |            |
|------------|-----------------------------------------------------------------------------------------------------------------------------------------|---------------------|------------|
| type       | <a href="#">TextType Max</a>                                                                                                            |                     |            |
| properties | default                                                                                                                                 | CheckProductContent |            |
| facets     | Kind                                                                                                                                    | Value               | Annotation |
|            | minLength                                                                                                                               | 0                   |            |
|            | maxLength                                                                                                                               | 250                 |            |
| annotation | documentation<br>A user-definable name for the Command Event. If not supplied, defaults to "CheckProductContent". Up to 250 characters. |                     |            |

#### attribute **CheckProductContent/@IfAnyProductHasNoContent**

|            |                                                                                                                                                                                                                                                                                                                                                                                                                                             |                   |            |
|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|------------|
| type       | <a href="#">ContentCheckType</a>                                                                                                                                                                                                                                                                                                                                                                                                            |                   |            |
| properties | use                                                                                                                                                                                                                                                                                                                                                                                                                                         | required          |            |
| facets     | Kind                                                                                                                                                                                                                                                                                                                                                                                                                                        | Value             | Annotation |
|            | enumeration                                                                                                                                                                                                                                                                                                                                                                                                                                 | Ignore            |            |
|            | enumeration                                                                                                                                                                                                                                                                                                                                                                                                                                 | DisallowExporting |            |
|            | enumeration                                                                                                                                                                                                                                                                                                                                                                                                                                 | Fail              |            |
| annotation | documentation<br>The action to be taken if any product (or product part in the case of a bound product with a text and cover) has no content file specified.<br>Ignore: Does nothing if a product has no content file specified.<br>DisallowExporting: If a product has no content file specified, exporting is disallowed but processing will continue.<br>Fail: If a product has no content file specified, processing fails immediately. |                   |            |

### attribute **CheckProductContent/@IfAnyProductContentIsNotAvailable**

|            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                              |            |
|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|------------|
| type       | <a href="#">ContentCheckType</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                              |            |
| properties | use required                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                              |            |
| facets     | Kind<br>enumeration                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Value<br>Ignore<br>DisallowExporting<br>Fail | Annotation |
| annotation | <p>documentation</p> <p>The action to be taken if any specified product content is not available, doesn't have the correct number of pages, or is not the right size (considering the relevant content positioning rule).</p> <p>Ignore: Does nothing if any content file is not found or appropriate. Any later export command requiring content (e.g., Imposed PDF) will fail when content is accessed.</p> <p>DisallowExporting: If any content file is not found or appropriate exporting is disallowed but processing will continue.</p> <p>Fail: If any content file is not found or appropriate processing fails immediately.</p> |                                              |            |

### element **CheckProject**

|            |                                           |                                      |     |                         |       |                                                                                                                                                                                                                                                                                                                                                   |
|------------|-------------------------------------------|--------------------------------------|-----|-------------------------|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| properties | content complex                           |                                      |     |                         |       |                                                                                                                                                                                                                                                                                                                                                   |
| used by    | element <a href="#">Run</a>               |                                      |     |                         |       |                                                                                                                                                                                                                                                                                                                                                   |
| attributes | Name<br><a href="#">Name</a>              | Type<br><a href="#">TextType Max</a> | Use | Default<br>CheckProject | Fixed | Annotation<br>documentation<br>A user-definable name for the Command Event. If not supplied, defaults to "CheckProject". Up to 250 characters.<br>documentation<br>Controls whether any export Commands should execute depending on the status of the project. If not included, export Commands will only run if everything in the project is OK. |
|            | <a href="#">OnlyExportIfStatusAtLeast</a> | <a href="#">ExportStatusType</a>     |     | OK                      |       |                                                                                                                                                                                                                                                                                                                                                   |

### attribute **CheckProject/@Name**

|            |                                |                   |            |
|------------|--------------------------------|-------------------|------------|
| type       | <a href="#">TextType Max</a>   |                   |            |
| properties | default                        | CheckProject      |            |
| facets     | Kind<br>minLength<br>maxLength | Value<br>0<br>250 | Annotation |
| annotation | documentation                  |                   |            |

|  |                                                                                                                 |
|--|-----------------------------------------------------------------------------------------------------------------|
|  | A user-definable name for the Command Event. If not supplied, defaults to "CheckProject". Up to 250 characters. |
|--|-----------------------------------------------------------------------------------------------------------------|

attribute **CheckProject/@OnlyExportIfStatusAtLeast**

|            |                                                                                                                                                                                                 |         |            |
|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|------------|
| type       | <a href="#">ExportStatusType</a>                                                                                                                                                                |         |            |
| properties | default                                                                                                                                                                                         | OK      |            |
| facets     | Kind                                                                                                                                                                                            | Value   | Annotation |
|            | enumeration                                                                                                                                                                                     | OK      |            |
|            | enumeration                                                                                                                                                                                     | Warning |            |
|            | enumeration                                                                                                                                                                                     | Error   |            |
| annotation | documentation<br>Controls whether any export Commands should execute depending on the status of the project. If not included, export Commands will only run if everything in the project is OK. |         |            |

element **CMYKColor**

|            |                         |                               |          |         |       |                                                                                                                                                                                                                     |  |
|------------|-------------------------|-------------------------------|----------|---------|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| properties | content                 | complex                       |          |         |       |                                                                                                                                                                                                                     |  |
|            | mixed                   | true                          |          |         |       |                                                                                                                                                                                                                     |  |
| used by    | element                 | <a href="#">ResourcePool</a>  |          |         |       |                                                                                                                                                                                                                     |  |
| attributes | Name                    | Type                          | Use      | Default | Fixed | Annotation                                                                                                                                                                                                          |  |
|            | <a href="#">ID</a>      | <a href="#">RefIDType</a>     | required |         |       | documentation<br>An identifier for the element, unique within the scope of the MXML document. The ID attribute can be used as a reference to the element from elsewhere in the MXML document. Up to 250 characters. |  |
|            | <a href="#">Black</a>   | <a href="#">CMYKRangeType</a> | required |         |       | documentation<br>The black component of this CMYKColor. An integer in the valid range 0 - 100.                                                                                                                      |  |
|            | <a href="#">Cyan</a>    | <a href="#">CMYKRangeType</a> | required |         |       | documentation<br>The cyan component of this CMYKColor. An integer in the valid range 0 - 100.                                                                                                                       |  |
|            | <a href="#">Magenta</a> | <a href="#">CMYKRangeType</a> | required |         |       | documentation<br>The magenta component of this CMYKColor. An integer in the valid range 0 - 100.                                                                                                                    |  |
|            | <a href="#">Yellow</a>  | <a href="#">CMYKRangeType</a> | required |         |       | documentation<br>The yellow component of this CMYKColor. An integer in                                                                                                                                              |  |

|  |                          |
|--|--------------------------|
|  | the valid range 0 - 100. |
|--|--------------------------|

attribute **CMYKColor/@ID**

|            |                                                                                                                                                                                                                     |       |            |
|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------------|
| type       | <a href="#">RefIDType</a>                                                                                                                                                                                           |       |            |
| properties | use required                                                                                                                                                                                                        |       |            |
| facets     | Kind                                                                                                                                                                                                                | Value | Annotation |
|            | minLength                                                                                                                                                                                                           | 0     |            |
|            | maxLength                                                                                                                                                                                                           | 250   |            |
| annotation | documentation<br>An identifier for the element, unique within the scope of the MXML document. The ID attribute can be used as a reference to the element from elsewhere in the MXML document. Up to 250 characters. |       |            |

attribute **CMYKColor/@Black**

|            |                                                                                                |       |            |
|------------|------------------------------------------------------------------------------------------------|-------|------------|
| type       | <a href="#">CMYKRangeType</a>                                                                  |       |            |
| properties | use required                                                                                   |       |            |
| facets     | Kind                                                                                           | Value | Annotation |
|            | minInclusive                                                                                   | 0     |            |
|            | maxInclusive                                                                                   | 100   |            |
| annotation | documentation<br>The black component of this CMYKColor. An integer in the valid range 0 - 100. |       |            |

attribute **CMYKColor/@Cyan**

|            |                                                                                               |       |            |
|------------|-----------------------------------------------------------------------------------------------|-------|------------|
| type       | <a href="#">CMYKRangeType</a>                                                                 |       |            |
| properties | use required                                                                                  |       |            |
| facets     | Kind                                                                                          | Value | Annotation |
|            | minInclusive                                                                                  | 0     |            |
|            | maxInclusive                                                                                  | 100   |            |
| annotation | documentation<br>The cyan component of this CMYKColor. An integer in the valid range 0 - 100. |       |            |

attribute **CMYKColor/@Magenta**

|            |                                                                                                  |       |            |
|------------|--------------------------------------------------------------------------------------------------|-------|------------|
| type       | <a href="#">CMYKRangeType</a>                                                                    |       |            |
| properties | use required                                                                                     |       |            |
| facets     | Kind                                                                                             | Value | Annotation |
|            | minInclusive                                                                                     | 0     |            |
|            | maxInclusive                                                                                     | 100   |            |
| annotation | documentation<br>The magenta component of this CMYKColor. An integer in the valid range 0 - 100. |       |            |

attribute **CMYKColor/@Yellow**

|            |                               |       |            |
|------------|-------------------------------|-------|------------|
| type       | <a href="#">CMYKRangeType</a> |       |            |
| properties | use required                  |       |            |
| facets     | Kind                          | Value | Annotation |
|            | minInclusive                  | 0     |            |
|            | maxInclusive                  | 100   |            |

|            |                                                                                                 |
|------------|-------------------------------------------------------------------------------------------------|
| annotation | documentation<br>The yellow component of this CMYKColor. An integer in the valid range 0 - 100. |
|------------|-------------------------------------------------------------------------------------------------|

## element **ColorMapRule**

|            |                                             |
|------------|---------------------------------------------|
| properties | content    complex                          |
| children   | <a href="#">ColorMapRuleItem</a>            |
| used by    | element <a href="#">ExportJDFImposition</a> |

## element **ColorMapRuleItem**

|                          |                                                                                                                                                                                                                                                |                              |         |       |            |       |            |                          |                                          |  |  |  |  |  |
|--------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|---------|-------|------------|-------|------------|--------------------------|------------------------------------------|--|--|--|--|--|
| properties               | content                                                                                                                                                                                                                                        | complex                      |         |       |            |       |            |                          |                                          |  |  |  |  |  |
| used by                  | element                                                                                                                                                                                                                                        | <a href="#">ColorMapRule</a> |         |       |            |       |            |                          |                                          |  |  |  |  |  |
| attributes               | <table><tr><td>Name</td><td>Type</td><td>Use</td><td>Default</td><td>Fixed</td><td>Annotation</td></tr><tr><td><a href="#">property</a></td><td><a href="#">ColorToPlatePropertyType</a></td><td></td><td></td><td></td><td></td></tr></table> | Name                         | Type    | Use   | Default    | Fixed | Annotation | <a href="#">property</a> | <a href="#">ColorToPlatePropertyType</a> |  |  |  |  |  |
| Name                     | Type                                                                                                                                                                                                                                           | Use                          | Default | Fixed | Annotation |       |            |                          |                                          |  |  |  |  |  |
| <a href="#">property</a> | <a href="#">ColorToPlatePropertyType</a>                                                                                                                                                                                                       |                              |         |       |            |       |            |                          |                                          |  |  |  |  |  |

## attribute **ColorMapRuleItem/@property**

|        |                                          |                  |            |
|--------|------------------------------------------|------------------|------------|
| type   | <a href="#">ColorToPlatePropertyType</a> |                  |            |
| facets | Kind                                     | Value            | Annotation |
|        | enumeration                              | All_Layouts      |            |
|        | enumeration                              | Selected_Layouts |            |
|        | enumeration                              | Do_Not_Produce   |            |

## element **CommandPool**

|            |                                               |
|------------|-----------------------------------------------|
| properties | content    complex                            |
| children   | <a href="#">HotFolder</a> <a href="#">Run</a> |
| used by    | element <a href="#">MetrixXML</a>             |

## element **Component**

|            |                                                                                                                                                                                                                                                                                                                                                        |                                        |          |         |       |                                                                                                                                                                                                                     |
|------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|----------|---------|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| properties | content    complex                                                                                                                                                                                                                                                                                                                                     |                                        |          |         |       |                                                                                                                                                                                                                     |
| children   | <a href="#">StockRef</a> <a href="#">ProductGroupRef</a> <a href="#">DieCutterToolRef</a> <a href="#">OffcutFlap</a> <a href="#">ParentComponent</a> <a href="#">FoldingSchemeRef</a> <a href="#">FrontInkPool</a> <a href="#">BackInkPool</a> <a href="#">NUpFoldedChildPool</a> <a href="#">ComponentCalculated</a> <a href="#">CutterOperations</a> |                                        |          |         |       |                                                                                                                                                                                                                     |
| used by    | element <a href="#">ComponentPool</a>                                                                                                                                                                                                                                                                                                                  |                                        |          |         |       |                                                                                                                                                                                                                     |
| attributes | Name                                                                                                                                                                                                                                                                                                                                                   | Type                                   | Use      | Default | Fixed | Annotation                                                                                                                                                                                                          |
|            | <a href="#">ID</a>                                                                                                                                                                                                                                                                                                                                     | <a href="#">RefIDType</a>              | required |         |       | documentation<br>An identifier for the element, unique within the scope of the MXML document. The ID attribute can be used as a reference to the element from elsewhere in the MXML document. Up to 250 characters. |
|            | <a href="#">RequestedNumberOut</a>                                                                                                                                                                                                                                                                                                                     | <a href="#">RequestedNumberOutType</a> |          |         |       | documentation                                                                                                                                                                                                       |

|  |                               |                                       |        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|--|-------------------------------|---------------------------------------|--------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | <a href="#">Priority</a>      | <a href="#">ComponentPriorityType</a> | 5      | <p>Required if the Project's AutoNumberOut attribute is False, in which case this value determines exactly how many times Metrix will impose this component on its layout. An integer in the valid range 1 – 5000.</p> <p><a href="#">documentation</a></p> <p>A setting that prioritizes the placement ordering of components on a layout. Components of higher priority ("1" being the highest) are placed before others, regardless of their size or any other criteria Metrix would normally use to place components. An integer in the valid range 1 – 10. If not supplied, defaults to "5".</p> |
|  | <a href="#">FinishedGrain</a> | <a href="#">ProductGrainType</a>      | Either | <p><a href="#">documentation</a></p> <p>The component's grain direction when viewed as a finished component (for example, a folded component's grain is determined when it's folded, not flat). If not supplied, defaults to Either.</p>                                                                                                                                                                                                                                                                                                                                                              |
|  | <a href="#">Active</a>        | <b>xs:boolean</b>                     | true   | <p><a href="#">documentation</a></p> <p>Whether a component is an active part of a project or not. A component that is not active cannot be imposed on a layout, but is still considered to physically exist. One example of where this might be used is for a book cover that may be printed by another printer, but still needs to be considered part of the book for</p>                                                                                                                                                                                                                           |

|                                   |                                 |   |                                                                                                                                                                                                                                                                                                                                                                                         |
|-----------------------------------|---------------------------------|---|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                   |                                 |   | binding purposes.<br>If not supplied,<br>defaults to True.                                                                                                                                                                                                                                                                                                                              |
| <a href="#">ProductionDate</a>    | <a href="#">ISO8601DateType</a> |   |                                                                                                                                                                                                                                                                                                                                                                                         |
| <a href="#">MIS_ID</a>            | <a href="#">TextType Max</a>    |   | documentation<br>A globally unique<br>identifier (GUID)<br>for the component<br>that identifies the<br>component to the<br>originating MIS<br>system. If not<br>supplied, defaults<br>to an empty string.<br>If supplied, will not<br>be editable within<br>Metrix. Up to 250<br>characters.                                                                                            |
| <a href="#">FinishingGroup</a>    | <a href="#">TextType Max</a>    |   | documentation<br>Finishing Group is<br>used to identify<br>components that<br>require the same<br>finishing<br>processes, such as<br>flood varnishes or<br>foil stamping.<br>Components with<br>an assigned<br>Finishing Group<br>can only be placed<br>on a layout with<br>other components<br>in the same<br>Finishing Group.<br>User-definable<br>name with up to<br>250 characters. |
| <a href="#">LocalDieline</a>      | <b>xs:string</b>                |   | documentation<br>Dieline path for<br>Diecut and<br>Irregular Shape<br>products.                                                                                                                                                                                                                                                                                                         |
| <a href="#">LocalDielineFile</a>  | <b>xs:string</b>                |   | documentation<br>Only for Diecut<br>and Irregular<br>Shape products.<br>Either<br>LocalDielineFile<br>and<br>LocalDielineColor<br>must be specified,<br>or<br>DieCutterToolRef.                                                                                                                                                                                                         |
| <a href="#">LocalDielineColor</a> | <a href="#">TextType Short</a>  |   | documentation<br>Only for Diecut<br>and Irregular<br>Shape products.<br>Either<br>LocalDielineFile<br>and<br>LocalDielineColor<br>must be specified,<br>or<br>DieCutterToolRef.                                                                                                                                                                                                         |
| <a href="#">Key</a>               | <b>xs:nonNegativeInteger</b>    | 0 | documentation<br>Only used if                                                                                                                                                                                                                                                                                                                                                           |

|  |                              |                                                 |   |                                                                                                                                                                                                                                                                                        |
|--|------------------------------|-------------------------------------------------|---|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | <a href="#">OffcutTop</a>    | <a href="#">LinearDimension ComponentOffcut</a> | 0 | DieCutterToolRef is given, optional index to DieCutterToolItem. documentation Only used for Flat or Folded products (not bound). The offcut at the component's top edge, when viewed from the component's side 1 without rotation (see definitions). If not supplied, defaults to "0". |
|  | <a href="#">OffcutBottom</a> | <a href="#">LinearDimension ComponentOffcut</a> | 0 | documentation Only used for Flat or Folded products (not bound). The offcut at the component's bottom edge, when viewed from the component's side 1 without rotation (see definitions). If not supplied, defaults to "0".                                                              |
|  | <a href="#">OffcutLeft</a>   | <a href="#">LinearDimension ComponentOffcut</a> | 0 | documentation Only used for Flat or Folded products (not bound). The offcut at the component's left edge, when viewed from the component's side 1 without rotation (see definitions). If not supplied, defaults to "0".                                                                |
|  | <a href="#">OffcutRight</a>  | <a href="#">LinearDimension ComponentOffcut</a> | 0 | documentation Only used for Flat or Folded products (not bound). The offcut at the component's right edge, when viewed from the component's side 1 without rotation (see definitions). If not supplied, defaults to "0".                                                               |
|  | <a href="#">Cover</a>        | <b>xs:boolean</b>                               |   | documentation Required for bound products, and not used for flat or folded components. Only                                                                                                                                                                                            |

|  |                              |                        |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|--|------------------------------|------------------------|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | <a href="#">ChildIndex</a>   | derived by: xs:integer |       | zero or one of a bound product's components can be a cover, having Cover = True. All other components must be Cover = False.<br>documentation<br>Required for Bound Product, non-Cover components. Not used for flat for folded components. Determines the order that the component is bound into its parent component, if it has one. Required only for bound components whose Cover = False to specify the index of this component within its parent's child component collection. Each parent component will have children with indexes starting at 0 .A special case is the outermost component of a self-cover book (a book where all components are the same stock). This outermost component with Cover = False should have ChildIndex = -1. |
|  | <a href="#">CombinePages</a> | xs:boolean             | false | documentation<br>Only used for Bound and Folded products. Not used for flat components, and optional for folded and bound components. For bound components, will only be read for a cover, i.e., when Cover = True. If not supplied, defaults to False.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|  | <a href="#">Tagged</a>       | xs:boolean             | false | documentation<br>Whether a component is                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |

|  |                                                                |                                                                                                                                                                                                                         |
|--|----------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | <a href="#">RunsAlone</a> <b>xs:boolean</b> false              | tagged or not.<br>Tagging components can be used to select components for some automation commands. If not supplied, defaults to False.                                                                                 |
|  | <a href="#">PathComplexity</a> <b>derived by: xs:float</b> 0.0 | documentation<br>When RunsAlone = True, component will not be placed on a layout with any other components.                                                                                                             |
|  | <a href="#">PathPerimeter</a> <b>derived by: xs:float</b> 0.0  | documentation<br>When using digital cutting machine, this parameter defines the speed reduction factor for the cutting machine. Complexity changes with nature of substrate and shape complexity of cutting impression. |
|  | <a href="#">ProjectFoldSetupIndex</a> <b>xs:integer</b> 0      | documentation<br>The value represents the perimeter of component to be considered for digital cutting cost calculation.                                                                                                 |

#### attribute **Component/@ID**

|            |                                                                                                                                                                                                                                |            |       |            |           |   |  |           |     |  |
|------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|-------|------------|-----------|---|--|-----------|-----|--|
| type       | <a href="#">RefIDType</a>                                                                                                                                                                                                      |            |       |            |           |   |  |           |     |  |
| properties | use required                                                                                                                                                                                                                   |            |       |            |           |   |  |           |     |  |
| facets     | <table><tr><td>Kind</td><td>Value</td><td>Annotation</td></tr><tr><td>minLength</td><td>0</td><td></td></tr><tr><td>maxLength</td><td>250</td><td></td></tr></table>                                                           | Kind       | Value | Annotation | minLength | 0 |  | maxLength | 250 |  |
| Kind       | Value                                                                                                                                                                                                                          | Annotation |       |            |           |   |  |           |     |  |
| minLength  | 0                                                                                                                                                                                                                              |            |       |            |           |   |  |           |     |  |
| maxLength  | 250                                                                                                                                                                                                                            |            |       |            |           |   |  |           |     |  |
| annotation | <p>documentation</p> <p>An identifier for the element, unique within the scope of the MXML document. The ID attribute can be used as a reference to the element from elsewhere in the MXML document. Up to 250 characters.</p> |            |       |            |           |   |  |           |     |  |

#### attribute **Component/@RequestedNumberOut**

|            |                                                                                                                                                     |       |            |
|------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|-------|------------|
| type       | <a href="#">RequestedNumberOutType</a>                                                                                                              |       |            |
| facets     | Kind                                                                                                                                                | Value | Annotation |
|            | minInclusive                                                                                                                                        | 1     |            |
|            | maxInclusive                                                                                                                                        | 5000  |            |
| annotation | documentation<br>Required if the Project's AutoNumberOut attribute is False, in which case this value determines exactly how many times Metrix will |       |            |

|  |                                                                              |
|--|------------------------------------------------------------------------------|
|  | impose this component on its layout. An integer in the valid range 1 – 5000. |
|--|------------------------------------------------------------------------------|

#### attribute **Component/@Priority**

|            |                                                                                                                                                                                                                                                                                                                                                     |       |            |
|------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------------|
| type       | <a href="#">ComponentPriorityType</a>                                                                                                                                                                                                                                                                                                               |       |            |
| properties | default                                                                                                                                                                                                                                                                                                                                             | 5     |            |
| facets     | Kind                                                                                                                                                                                                                                                                                                                                                | Value | Annotation |
|            | minInclusive                                                                                                                                                                                                                                                                                                                                        | 1     |            |
|            | maxInclusive                                                                                                                                                                                                                                                                                                                                        | 10    |            |
| annotation | documentation<br>A setting that prioritizes the placement ordering of components on a layout. Components of higher priority ("1" being the highest) are placed before others, regardless of their size or any other criteria Metrix would normally use to place components. An integer in the valid range 1 – 10. If not supplied, defaults to "5". |       |            |

#### attribute **Component/@FinishedGrain**

|            |                                                                                                                                                                                                                                  |            |            |
|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|------------|
| type       | <a href="#">ProductGrainType</a>                                                                                                                                                                                                 |            |            |
| properties | default                                                                                                                                                                                                                          | Either     |            |
| facets     | Kind                                                                                                                                                                                                                             | Value      | Annotation |
|            | enumeration                                                                                                                                                                                                                      | Horizontal |            |
|            | enumeration                                                                                                                                                                                                                      | Vertical   |            |
|            | enumeration                                                                                                                                                                                                                      | Either     |            |
|            | enumeration                                                                                                                                                                                                                      | Same       |            |
| annotation | <div>documentation</div> <div>The component's grain direction when viewed as a finished component (for example, a folded component's grain is determined when it's folded, not flat). If not supplied, defaults to Either.</div> |            |            |

#### attribute **Component/@Active**

|            |                                                                                                                                                                                                                                                                                                                                                                                                       |      |  |
|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|--|
| type       | xs:boolean                                                                                                                                                                                                                                                                                                                                                                                            |      |  |
| properties | default                                                                                                                                                                                                                                                                                                                                                                                               | true |  |
| annotation | documentation<br>Whether a component is an active part of a project or not. A component that is not active cannot be imposed on a layout, but is still considered to physically exist. One example of where this might be used is for a book cover that may be printed by another printer, but still needs to be considered part of the book for binding purposes. If not supplied, defaults to True. |      |  |

#### attribute **Component/@ProductionDate**

|      |                                 |  |  |
|------|---------------------------------|--|--|
| type | <a href="#">ISO8601DateType</a> |  |  |
|------|---------------------------------|--|--|

#### attribute **Component/@MIS\_ID**

|            |                                                                                                                                                                                                                                                          |       |            |
|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------------|
| type       | <a href="#">TextType</a> Max                                                                                                                                                                                                                             |       |            |
| facets     | Kind                                                                                                                                                                                                                                                     | Value | Annotation |
|            | minLength                                                                                                                                                                                                                                                | 0     |            |
|            | maxLength                                                                                                                                                                                                                                                | 250   |            |
| annotation | documentation<br>A globally unique identifier (GUID) for the component that identifies the component to the originating MIS system. If not supplied, defaults to an empty string. If supplied, will not be editable within Metrix. Up to 250 characters. |       |            |

### attribute **Component/@FinishingGroup**

|            |                                                                                                                                                                                                                                                                                                                                   |       |            |
|------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------------|
| type       | <a href="#">TextType Max</a>                                                                                                                                                                                                                                                                                                      |       |            |
| facets     | Kind                                                                                                                                                                                                                                                                                                                              | Value | Annotation |
|            | minLength                                                                                                                                                                                                                                                                                                                         | 0     |            |
|            | maxLength                                                                                                                                                                                                                                                                                                                         | 250   |            |
| annotation | documentation<br>Finishing Group is used to identify components that require the same finishing processes, such as flood varnishes or foil stamping. Components with an assigned Finishing Group can only be placed on a layout with other components in the same Finishing Group. User-definable name with up to 250 characters. |       |            |

### attribute **Component/@LocalDieline**

|            |                                                                        |  |  |
|------------|------------------------------------------------------------------------|--|--|
| type       | <b>xs:string</b>                                                       |  |  |
| annotation | documentation<br>Dieline path for Diecut and Irregular Shape products. |  |  |

### attribute **Component/@LocalDielineFile**

|            |                                                                                                                                                         |  |  |
|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|
| type       | <b>xs:string</b>                                                                                                                                        |  |  |
| annotation | documentation<br>Only for Diecut and Irregular Shape products.<br>Either LocalDielineFile and LocalDielineColor must be specified, or DieCutterToolRef. |  |  |

### attribute **Component/@LocalDielineColor**

|            |                                                                                                                                                         |       |            |
|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------------|
| type       | <a href="#">TextType Short</a>                                                                                                                          |       |            |
| facets     | Kind                                                                                                                                                    | Value | Annotation |
|            | minLength                                                                                                                                               | 0     |            |
|            | maxLength                                                                                                                                               | 30    |            |
| annotation | documentation<br>Only for Diecut and Irregular Shape products.<br>Either LocalDielineFile and LocalDielineColor must be specified, or DieCutterToolRef. |       |            |

### attribute **Component/@Key**

|            |                                                                                               |   |  |
|------------|-----------------------------------------------------------------------------------------------|---|--|
| type       | <b>xs:nonNegativeInteger</b>                                                                  |   |  |
| properties | default                                                                                       | 0 |  |
| annotation | documentation<br>Only used if DieCutterToolRef is given, optional index to DieCutterToolItem. |   |  |

### attribute **Component/@OffcutTop**

|            |                                                                                                                                                                                                                           |       |            |
|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------------|
| type       | <a href="#">LinearDimension ComponentOffcut</a>                                                                                                                                                                           |       |            |
| properties | default                                                                                                                                                                                                                   | 0     |            |
| facets     | Kind                                                                                                                                                                                                                      | Value | Annotation |
|            | minInclusive                                                                                                                                                                                                              | 0     |            |
|            | maxInclusive                                                                                                                                                                                                              | 304.8 |            |
| annotation | documentation<br>Only used for Flat or Folded products (not bound). The offcut at the component's top edge, when viewed from the component's side 1 without rotation (see definitions). If not supplied, defaults to "0". |       |            |

### attribute **Component/@OffcutBottom**

|            |                                                                                                                                                                                                                              |       |            |
|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------------|
| type       | <a href="#">LinearDimension</a> <a href="#">ComponentOffcut</a>                                                                                                                                                              |       |            |
| properties | default                                                                                                                                                                                                                      | 0     |            |
| facets     | Kind                                                                                                                                                                                                                         | Value | Annotation |
|            | minInclusive                                                                                                                                                                                                                 | 0     |            |
|            | maxInclusive                                                                                                                                                                                                                 | 304.8 |            |
| annotation | documentation<br>Only used for Flat or Folded products (not bound). The offcut at the component's bottom edge, when viewed from the component's side 1 without rotation (see definitions). If not supplied, defaults to "0". |       |            |

### attribute **Component/@OffcutLeft**

|            |                                                                                                                                                                                                                            |       |            |
|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------------|
| type       | <a href="#">LinearDimension</a> <a href="#">ComponentOffcut</a>                                                                                                                                                            |       |            |
| properties | default                                                                                                                                                                                                                    | 0     |            |
| facets     | Kind                                                                                                                                                                                                                       | Value | Annotation |
|            | minInclusive                                                                                                                                                                                                               | 0     |            |
|            | maxInclusive                                                                                                                                                                                                               | 304.8 |            |
| annotation | documentation<br>Only used for Flat or Folded products (not bound). The offcut at the component's left edge, when viewed from the component's side 1 without rotation (see definitions). If not supplied, defaults to "0". |       |            |

### attribute **Component/@OffcutRight**

|            |                                                                                                                                                                                                                             |       |            |
|------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------------|
| type       | <a href="#">LinearDimension</a> <a href="#">ComponentOffcut</a>                                                                                                                                                             |       |            |
| properties | default                                                                                                                                                                                                                     | 0     |            |
| facets     | Kind                                                                                                                                                                                                                        | Value | Annotation |
|            | minInclusive                                                                                                                                                                                                                | 0     |            |
|            | maxInclusive                                                                                                                                                                                                                | 304.8 |            |
| annotation | documentation<br>Only used for Flat or Folded products (not bound). The offcut at the component's right edge, when viewed from the component's side 1 without rotation (see definitions). If not supplied, defaults to "0". |       |            |

### attribute **Component/@Cover**

|            |                                                                                                                                                                                                                             |  |  |
|------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|
| type       | <b>xs:boolean</b>                                                                                                                                                                                                           |  |  |
| annotation | documentation<br>Required for bound products, and not used for flat or folded components. Only zero or one of a bound product's components can be a cover, having Cover = True. All other components must be Cover = False. |  |  |

### attribute **Component/@ChildIndex**

|            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |       |            |
|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------------|
| type       | restriction of <b>xs:integer</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |       |            |
| facets     | Kind                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Value | Annotation |
|            | minInclusive                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | -1    |            |
| annotation | documentation<br>Required for Bound Product, non-Cover components. Not used for flat for folded components. Determines the order that the component is bound into its parent component, if it has one. Required only for bound components whose Cover = False to specify the index of this component within its parent's child component collection. Each parent component will have children with indexes starting at 0 .A special case is the outermost component of a self-cover book (a book where all components are the same stock). This outermost component with Cover = False should have ChildIndex = -1. |       |            |

### attribute **Component/@CombinePages**

|            |                                                                                                                                                                                                                                                         |
|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| type       | <b>xs:boolean</b>                                                                                                                                                                                                                                       |
| properties | default false                                                                                                                                                                                                                                           |
| annotation | documentation<br>Only used for Bound and Folded products. Not used for flat components, and optional for folded and bound components. For bound components, will only be read for a cover, i.e., when Cover = True. If not supplied, defaults to False. |

### attribute **Component/@Tagged**

|            |                                                                                                                                                                              |
|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| type       | <b>xs:boolean</b>                                                                                                                                                            |
| properties | default false                                                                                                                                                                |
| annotation | documentation<br>Whether a component is tagged or not. Tagging components can be used to select components for some automation commands. If not supplied, defaults to False. |

### attribute **Component/@RunsAlone**

|            |                                                                                                             |
|------------|-------------------------------------------------------------------------------------------------------------|
| type       | <b>xs:boolean</b>                                                                                           |
| properties | default false                                                                                               |
| annotation | documentation<br>When RunsAlone = True, component will not be placed on a layout with any other components. |

### attribute **Component/@PathComplexity**

|            |                                                                                                                                                                                                                         |       |            |
|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------------|
| type       | restriction of <b>xs:float</b>                                                                                                                                                                                          |       |            |
| properties | default                                                                                                                                                                                                                 | 0.0   |            |
| facets     | Kind                                                                                                                                                                                                                    | Value | Annotation |
|            | minInclusive                                                                                                                                                                                                            | 0.0   |            |
|            | maxInclusive                                                                                                                                                                                                            | 0.95  |            |
| annotation | documentation<br>When using digital cutting machine, this parameter defines the speed reduction factor for the cutting machine. Complexity changes with nature of substrate and shape complexity of cutting impression. |       |            |

### attribute **Component/@PathPerimeter**

|            |                                                                                                                         |       |            |
|------------|-------------------------------------------------------------------------------------------------------------------------|-------|------------|
| type       | restriction of <b>xs:float</b>                                                                                          |       |            |
| properties | default                                                                                                                 | 0.0   |            |
| facets     | Kind                                                                                                                    | Value | Annotation |
|            | minInclusive                                                                                                            | 0.0   |            |
| annotation | documentation<br>The value represents the perimeter of component to be considered for digital cutting cost calculation. |       |            |

### attribute **Component/@ProjectFoldSetupIndex**

|            |                   |
|------------|-------------------|
| type       | <b>xs:integer</b> |
| properties | default 0         |

### element **Component/StockRef**

|      |                                        |
|------|----------------------------------------|
| type | <a href="#">ResourceRefElementType</a> |
|------|----------------------------------------|

|            |                                                                               |                                   |     |         |       |            |
|------------|-------------------------------------------------------------------------------|-----------------------------------|-----|---------|-------|------------|
| properties | minOcc 0<br>maxOcc 1<br>content complex                                       |                                   |     |         |       |            |
| attributes | Name<br><a href="#">rRef</a>                                                  | Type<br><a href="#">RefIDType</a> | Use | Default | Fixed | Annotation |
| annotation | documentation<br>A reference to the Stock on which this component will print. |                                   |     |         |       |            |

#### element **Component/ProductGroupRef**

|            |                                                                                   |                                   |     |         |       |            |
|------------|-----------------------------------------------------------------------------------|-----------------------------------|-----|---------|-------|------------|
| type       | <a href="#">ResourceRefElementType</a>                                            |                                   |     |         |       |            |
| properties | minOcc 0<br>maxOcc 1<br>content complex                                           |                                   |     |         |       |            |
| attributes | Name<br><a href="#">rRef</a>                                                      | Type<br><a href="#">RefIDType</a> | Use | Default | Fixed | Annotation |
| annotation | documentation<br>A reference to the ProductGroup to which this component belongs. |                                   |     |         |       |            |

#### element **Component/DieCutterToolRef**

|            |                                                                                                                                                                                                                              |                                   |     |         |       |            |
|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|-----|---------|-------|------------|
| type       | <a href="#">ResourceRefElementType</a>                                                                                                                                                                                       |                                   |     |         |       |            |
| properties | minOcc 0<br>maxOcc 1<br>content complex                                                                                                                                                                                      |                                   |     |         |       |            |
| used by    | element <a href="#">DieCutterToolRefPool</a>                                                                                                                                                                                 |                                   |     |         |       |            |
| attributes | Name<br><a href="#">rRef</a>                                                                                                                                                                                                 | Type<br><a href="#">RefIDType</a> | Use | Default | Fixed | Annotation |
| annotation | documentation<br>Only for Diecut Products. Either this or LocalDielineFile and LocalDielineColor must be specified. If LocalDielineColor is not specified, system will try to find dieline from by reading LocalDielineFile. |                                   |     |         |       |            |

#### element **Component/FoldingSchemeRef**

|            |                                                                                              |                                   |     |         |       |            |
|------------|----------------------------------------------------------------------------------------------|-----------------------------------|-----|---------|-------|------------|
| type       | <a href="#">ResourceRefElementType</a>                                                       |                                   |     |         |       |            |
| properties | minOcc 0<br>maxOcc 1<br>content complex                                                      |                                   |     |         |       |            |
| attributes | Name<br><a href="#">rRef</a>                                                                 | Type<br><a href="#">RefIDType</a> | Use | Default | Fixed | Annotation |
| annotation | documentation<br>Required for folded and bound components, and not used for flat components. |                                   |     |         |       |            |

#### element **ComponentCalculated**

|            |                                                                 |                                      |                 |              |       |                                                                                                                       |
|------------|-----------------------------------------------------------------|--------------------------------------|-----------------|--------------|-------|-----------------------------------------------------------------------------------------------------------------------|
| properties | content complex                                                 |                                      |                 |              |       |                                                                                                                       |
| used by    | elements <a href="#">Component</a> <a href="#">ComponentRef</a> |                                      |                 |              |       |                                                                                                                       |
| attributes | Name<br><a href="#">NumberOut</a>                               | Type<br><b>xs:nonNegativeInteger</b> | Use<br>optional | Default<br>0 | Fixed | Annotation<br>documentation<br>The number of this component that will be produced on each layout press sheet with the |

|  |                                    |                              |          |   |                                                                                                                                                                                                                                                                                                                                                                                                          |
|--|------------------------------------|------------------------------|----------|---|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | <a href="#">TotalQuantity</a>      | <b>xs:nonNegativeInteger</b> | optional | 0 | <p>current settings. Metrix will not write this attribute when writing a ProductPool MXML document. This attribute is never read by Metrix.</p> <p><a href="#">documentation</a></p> <p>The total quantity of this component that will be produced with the current settings. Metrix will not write this attribute when writing a ProductPool MXML document. This attribute is never read by Metrix.</p> |
|  | <a href="#">QuantityDifference</a> | <b>xs:integer</b>            | optional | 0 | <p><a href="#">documentation</a></p> <p>The difference between the total quantity of this component that will be produced with the current settings, and the required quantity. Metrix will not write this attribute when writing a ProductPool MXML document. This attribute is never read by Metrix.</p>                                                                                               |
|  | <a href="#">TotalWidth</a>         | <b>xs:float</b>              | required |   | <p><a href="#">documentation</a></p> <p>Width of Component. The total width of this component, including all offcuts or binding margins. This attribute is never read by Metrix, but is always written.</p>                                                                                                                                                                                              |
|  | <a href="#">TotalHeight</a>        | <b>xs:float</b>              | required |   | <p><a href="#">documentation</a></p>                                                                                                                                                                                                                                                                                                                                                                     |

|  |                                    |                 |          |                                                                                                                                                                                                                                                                                                                    |
|--|------------------------------------|-----------------|----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  |                                    |                 |          | Height of Component.<br>The total height of this component, including all offcuts or binding margins. This attribute is never read by Metrix, but is always written.                                                                                                                                               |
|  | <a href="#">TotalImagedWidth</a>   | <b>xs:float</b> | optional |                                                                                                                                                                                                                                                                                                                    |
|  | <a href="#">TotalImagedHeight</a>  | <b>xs:float</b> | optional |                                                                                                                                                                                                                                                                                                                    |
|  | <a href="#">SheetAreaUsage</a>     | <b>xs:float</b> | optional | documentation<br>Only included in Component if it is only used on a single Layout. Always included in first ComponentRef of Layout. The percentage of the layout sheet area covered by instances of this component. This attribute is never read by Metrix, but is always written.                                 |
|  | <a href="#">ComponentAreaUsage</a> | <b>xs:float</b> | optional | documentation<br>Only included in Component if it is only used on a single Layout. Always included in first ComponentRef of Layout. The percentage of the total area of all components on this layout sheet covered by instances of this component. This attribute is never read by Metrix, but is always written. |

attribute **ComponentCalculated/@NumberOut**

|            |                                                                                                                                                                                                                                                  |
|------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| type       | <b>xs:nonNegativeInteger</b>                                                                                                                                                                                                                     |
| properties | use optional<br>default 0                                                                                                                                                                                                                        |
| annotation | documentation<br>The number of this component that will be produced on each layout press sheet with the current settings. Metrix will not write this attribute when writing a ProductPool MXML document. This attribute is never read by Metrix. |

attribute **ComponentCalculated/@TotalQuantity**

|            |                                                                                                                                                                                                                               |
|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| type       | <b>xs:nonNegativeInteger</b>                                                                                                                                                                                                  |
| properties | use optional<br>default 0                                                                                                                                                                                                     |
| annotation | documentation<br>The total quantity of this component that will be produced with the current settings. Metrix will not write this attribute when writing a ProductPool MXML document. This attribute is never read by Metrix. |

attribute **ComponentCalculated/@QuantityDifference**

|            |                                                                                                                                                                                                                                                                                 |
|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| type       | <b>xs:integer</b>                                                                                                                                                                                                                                                               |
| properties | use optional<br>default 0                                                                                                                                                                                                                                                       |
| annotation | documentation<br>The difference between the total quantity of this component that will be produced with the current settings, and the required quantity. Metrix will not write this attribute when writing a ProductPool MXML document. This attribute is never read by Metrix. |

attribute **ComponentCalculated/@TotalWidth**

|            |                                                                                                                                                                                  |
|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| type       | <b>xs:float</b>                                                                                                                                                                  |
| properties | use required                                                                                                                                                                     |
| annotation | documentation<br>Width of Component. The total width of this component, including all offcuts or binding margins. This attribute is never read by Metrix, but is always written. |

attribute **ComponentCalculated/@TotalHeight**

|            |                                                                                                                                                                                    |
|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| type       | <b>xs:float</b>                                                                                                                                                                    |
| properties | use required                                                                                                                                                                       |
| annotation | documentation<br>Height of Component. The total height of this component, including all offcuts or binding margins. This attribute is never read by Metrix, but is always written. |

attribute **ComponentCalculated/@TotalImagedWidth**

|            |                 |
|------------|-----------------|
| type       | <b>xs:float</b> |
| properties | use optional    |

attribute **ComponentCalculated/@TotalImagedHeight**

|            |                 |
|------------|-----------------|
| type       | <b>xs:float</b> |
| properties | use optional    |

attribute **ComponentCalculated/@SheetAreaUsage**

|            |                                                                                                                                                                                                                                                                                    |
|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| type       | <b>xs:float</b>                                                                                                                                                                                                                                                                    |
| properties | use optional                                                                                                                                                                                                                                                                       |
| annotation | documentation<br>Only included in Component if it is only used on a single Layout. Always included in first ComponentRef of Layout. The percentage of the layout sheet area covered by instances of this component. This attribute is never read by Metrix, but is always written. |

attribute **ComponentCalculated/@ComponentAreaUsage**

|            |                                                                                                                                                                                                                                                                                                                    |
|------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| type       | <b>xs:float</b>                                                                                                                                                                                                                                                                                                    |
| properties | use optional                                                                                                                                                                                                                                                                                                       |
| annotation | documentation<br>Only included in Component if it is only used on a single Layout. Always included in first ComponentRef of Layout. The percentage of the total area of all components on this layout sheet covered by instances of this component. This attribute is never read by Metrix, but is always written. |

element **ComponentHints**

|            |                                                                                                                                                                                                        |                                          |          |                   |       |                                                                                                                                                                                                                                                                     |
|------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|----------|-------------------|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| properties | content complex                                                                                                                                                                                        |                                          |          |                   |       |                                                                                                                                                                                                                                                                     |
| children   | <a href="#">CoverStock</a> <a href="#">CoverFoldingScheme</a> <a href="#">FrontInkPool</a> <a href="#">BackInkPool</a> <a href="#">TextStock</a> <a href="#">TextFolds</a> <a href="#">TextInkPool</a> |                                          |          |                   |       |                                                                                                                                                                                                                                                                     |
| used by    | element <a href="#">Product</a>                                                                                                                                                                        |                                          |          |                   |       |                                                                                                                                                                                                                                                                     |
| attributes | Name<br><a href="#">CoverFinishedGrain</a>                                                                                                                                                             | Type<br><a href="#">ProductGrainType</a> | Use      | Default<br>Either | Fixed | Annotation<br>documentation<br>Only used if CoverStock is specified. Cover component's grain direction when viewed as a finished component (for example, a folded component's grain is determined when it's folded, not flat). If not supplied, defaults to Either. |
|            | <a href="#">CoverCombinePages</a>                                                                                                                                                                      | <b>xs:boolean</b>                        |          | false             |       | documentation<br>Only used if CoverStock is specified. If not supplied, defaults to False.                                                                                                                                                                          |
|            | <a href="#">TextPageCount</a>                                                                                                                                                                          | <a href="#">NumberOfTextPagesType</a>    | required |                   |       | documentation<br>Value must be an even number. Number of pages in the text section of the product that should be used to generate components                                                                                                                        |

|            |                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|            | <p><a href="#">TextLargestComponent</a>    <a href="#">LargestTextComponentType</a>    128</p> <p><a href="#">TextFinishedGrain</a>    <a href="#">ProductGrainType</a>    Either</p> <p><a href="#">Tagged</a>    <b>xs:boolean</b>    false</p> | <p>with. An even integer in the valid range 4 - 2000.</p> <p>documentation<br/>When generating components the page count of generated sections will be less than or equal to this. An integer in the valid range 1 - 128. Defaults to largest that can fit on press.</p> <p>documentation<br/>Text component's grain direction when viewed as a finished component (for example, a folded component's grain is determined when it's folded, not flat). If not supplied, defaults to Either.</p> <p>documentation<br/>Whether components generated as a result of this ComponentHints are generated as tagged or not. Tagged components can be used to select components for some automation commands. If not supplied, defaults to False.</p> |
| annotation | <p>documentation<br/>Information used to create bound product components. Ignored if Type is not Bound. Also ignored if ComponentPool does exist. Required if ComponentPool does not exist.</p>                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |

attribute **ComponentHints/@CoverFinishedGrain**

|            |                                  |                     |            |
|------------|----------------------------------|---------------------|------------|
| type       | <a href="#">ProductGrainType</a> |                     |            |
| properties | default                          | Either              |            |
| facets     | Kind<br>enumeration              | Value<br>Horizontal | Annotation |
|            | enumeration                      | Vertical            |            |
|            | enumeration                      | Either              |            |

|            |                                                                                                                                                                                                                                                       |
|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|            | enumeration    Same                                                                                                                                                                                                                                   |
| annotation | documentation<br>Only used if CoverStock is specified. Cover component's grain direction when viewed as a finished component (for example, a folded component's grain is determined when it's folded, not flat). If not supplied, defaults to Either. |

#### attribute **ComponentHints/@CoverCombinePages**

|            |                                                                                            |
|------------|--------------------------------------------------------------------------------------------|
| type       | <b>xs:boolean</b>                                                                          |
| properties | default    false                                                                           |
| annotation | documentation<br>Only used if CoverStock is specified. If not supplied, defaults to False. |

#### attribute **ComponentHints/@TextPageCount**

|            |                                                                                                                                                                                                 |       |            |
|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------------|
| type       | <a href="#"><b>NumberOfTextPagesType</b></a>                                                                                                                                                    |       |            |
| properties | use    required                                                                                                                                                                                 |       |            |
| facets     | Kind                                                                                                                                                                                            | Value | Annotation |
|            | minInclusive                                                                                                                                                                                    | 4     |            |
|            | maxInclusive                                                                                                                                                                                    | 2000  |            |
| annotation | documentation<br>Value must be an even number. Number of pages in the text section of the product that should be used to generate components with. An even integer in the valid range 4 - 2000. |       |            |

#### attribute **ComponentHints/@TextLargestComponent**

|            |                                                                                                                                                                                                        |       |            |
|------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------------|
| type       | <a href="#"><b>LargestTextComponentType</b></a>                                                                                                                                                        |       |            |
| properties | default    128                                                                                                                                                                                         |       |            |
| facets     | Kind                                                                                                                                                                                                   | Value | Annotation |
|            | minInclusive                                                                                                                                                                                           | 2     |            |
|            | maxInclusive                                                                                                                                                                                           | 128   |            |
| annotation | documentation<br>When generating components the page count of generated sections will be less than or equal to this. An integer in the valid range 1 - 128. Defaults to largest that can fit on press. |       |            |

#### attribute **ComponentHints/@TextFinishedGrain**

|            |                                                                                                                                                                                                                |            |            |
|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|------------|
| type       | <a href="#"><b>ProductGrainType</b></a>                                                                                                                                                                        |            |            |
| properties | default    Either                                                                                                                                                                                              |            |            |
| facets     | Kind                                                                                                                                                                                                           | Value      | Annotation |
|            | enumeration                                                                                                                                                                                                    | Horizontal |            |
|            | enumeration                                                                                                                                                                                                    | Vertical   |            |
|            | enumeration                                                                                                                                                                                                    | Either     |            |
|            | enumeration                                                                                                                                                                                                    | Same       |            |
| annotation | documentation<br>Text component's grain direction when viewed as a finished component (for example, a folded component's grain is determined when it's folded, not flat). If not supplied, defaults to Either. |            |            |

#### attribute **ComponentHints/@Tagged**

|      |                   |
|------|-------------------|
| type | <b>xs:boolean</b> |
|------|-------------------|

|            |                                                                                                                                                                                                                                       |
|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| properties | default false                                                                                                                                                                                                                         |
| annotation | documentation<br>Whether components generated as a result of this ComponentHints are generated as tagged or not. Tagged components can be used to select components for some automation commands. If not supplied, defaults to False. |

element **ComponentInstance**

|            |                                               |                                     |          |         |       |                                                                                                                                                                                                      |
|------------|-----------------------------------------------|-------------------------------------|----------|---------|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| properties | content complex                               |                                     |          |         |       |                                                                                                                                                                                                      |
| used by    | element <a href="#">ComponentInstancePool</a> |                                     |          |         |       |                                                                                                                                                                                                      |
| attributes | Name                                          | Type                                | Use      | Default | Fixed | Annotation                                                                                                                                                                                           |
|            | <a href="#">Orientation</a>                   | <a href="#">RotationType</a>        |          | 0       |       | documentation<br>The rotation of the component instance in 1-degree increments from 0 to 359.                                                                                                        |
|            | <a href="#">Left</a>                          | <a href="#">LinearDimensionType</a> | required |         |       | documentation<br>Position of the left edge of the component instance relative to the sheet.                                                                                                          |
|            | <a href="#">Bottom</a>                        | <a href="#">LinearDimensionType</a> | required |         |       | documentation<br>Position of the bottom edge of the instance relative to the sheet.                                                                                                                  |
|            | <a href="#">Flipped</a>                       | xs:boolean                          |          | false   |       | documentation<br>Whether the component instance is flipped on the layout when planned using the Perfected printing method on a press that is configured with Flip Components When Perfecting = True. |

attribute **ComponentInstance/@Orientation**

|            |                                                                                               |       |            |
|------------|-----------------------------------------------------------------------------------------------|-------|------------|
| type       | <a href="#">RotationType</a>                                                                  |       |            |
| properties | default 0                                                                                     |       |            |
| facets     | Kind                                                                                          | Value | Annotation |
|            | minInclusive                                                                                  | 0     |            |
|            | maxInclusive                                                                                  | 359   |            |
| annotation | documentation<br>The rotation of the component instance in 1-degree increments from 0 to 359. |       |            |

### attribute **ComponentInstance/@Left**

|            |                                                                                             |
|------------|---------------------------------------------------------------------------------------------|
| type       | <a href="#">LinearDimensionType</a>                                                         |
| properties | use required                                                                                |
| annotation | documentation<br>Position of the left edge of the component instance relative to the sheet. |

### attribute **ComponentInstance/@Bottom**

|            |                                                                                     |
|------------|-------------------------------------------------------------------------------------|
| type       | <a href="#">LinearDimensionType</a>                                                 |
| properties | use required                                                                        |
| annotation | documentation<br>Position of the bottom edge of the instance relative to the sheet. |

### attribute **ComponentInstance/@Flipped**

|            |                                                                                                                                                                                                      |
|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| type       | <b>xs:boolean</b>                                                                                                                                                                                    |
| properties | default false                                                                                                                                                                                        |
| annotation | documentation<br>Whether the component instance is flipped on the layout when planned using the Perfected printing method on a press that is configured with Flip Components When Perfecting = True. |

### element **ComponentInstancePool**

|            |                                                                                    |
|------------|------------------------------------------------------------------------------------|
| properties | content complex                                                                    |
| children   | <a href="#">ComponentInstance</a>                                                  |
| used by    | element <a href="#">ComponentRef</a>                                               |
| annotation | documentation<br>List of component instances for a specific component in a layout. |

### element **ComponentPool**

|            |                                                                                                                                                 |
|------------|-------------------------------------------------------------------------------------------------------------------------------------------------|
| properties | content complex                                                                                                                                 |
| children   | <a href="#">Component</a>                                                                                                                       |
| used by    | element <a href="#">Product</a>                                                                                                                 |
| annotation | documentation<br>The parent element for all the product component elements. Required if Type is not Bound, or if ComponentHints does not exist. |

### element **ComponentRef**

|            |                                                                                                         |                                  |     |         |       |            |
|------------|---------------------------------------------------------------------------------------------------------|----------------------------------|-----|---------|-------|------------|
| properties | content    complex                                                                                      |                                  |     |         |       |            |
| children   | <a href="#">ComponentInstancePool</a> <a href="#">ComponentCalculated</a> <a href="#">StepAndRepeat</a> |                                  |     |         |       |            |
| used by    | element                                                                                                 | <a href="#">ComponentRefPool</a> |     |         |       |            |
| attributes | Name                                                                                                    | Type                             | Use | Default | Fixed | Annotation |
|            | <a href="#">rRef</a>                                                                                    | <a href="#">RefIDType</a>        |     |         |       |            |

### attribute **ComponentRef/@rRef**

|      |                           |
|------|---------------------------|
| type | <a href="#">RefIDType</a> |
|------|---------------------------|

|        |           |       |            |
|--------|-----------|-------|------------|
| facets | Kind      | Value | Annotation |
|        | minLength | 0     |            |
|        | maxLength | 250   |            |

element **ComponentRef/StepAndRepeat**

|            |        |   |
|------------|--------|---|
| properties | minOcc | 0 |
|            | maxOcc | 1 |

element **ComponentRefPool**

|            |                              |                                  |
|------------|------------------------------|----------------------------------|
| properties | content                      | complex                          |
| children   | <a href="#">ComponentRef</a> |                                  |
| used by    | element                      | <a href="#">AutoPlanHints</a>    |
|            | complexType                  | <a href="#">LayoutDefinition</a> |

element **Configuration**

|            |                              |                                     |     |         |       |            |
|------------|------------------------------|-------------------------------------|-----|---------|-------|------------|
| properties | content                      | complex                             |     |         |       |            |
| used by    | element                      | <a href="#">SheetSide</a>           |     |         |       |            |
| attributes | Name                         | Type                                | Use | Default | Fixed | Annotation |
|            | <a href="#">CutoffLength</a> | <a href="#">LinearDimensionType</a> |     |         |       |            |

attribute **Configuration/@CutoffLength**

|      |                                     |
|------|-------------------------------------|
| type | <a href="#">LinearDimensionType</a> |
|------|-------------------------------------|

element **Content2ndUp**

|            |                                                 |                                     |     |         |       |                                                                                                                                                                                                                                 |
|------------|-------------------------------------------------|-------------------------------------|-----|---------|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| type       | extension of <a href="#">ProductContentType</a> |                                     |     |         |       |                                                                                                                                                                                                                                 |
| properties | content                                         | complex                             |     |         |       |                                                                                                                                                                                                                                 |
| children   | <a href="#">PagePool</a>                        |                                     |     |         |       |                                                                                                                                                                                                                                 |
| used by    | element                                         | <a href="#">Product</a>             |     |         |       |                                                                                                                                                                                                                                 |
| attributes | Name                                            | Type                                | Use | Default | Fixed | Annotation                                                                                                                                                                                                                      |
|            | <a href="#">ContentFile</a>                     | <a href="#">TextType</a> <b>Max</b> |     |         |       | documentation<br>Single content file, can't be used with FrontContentFile or BackContentFile. A string that identifies a PDF content file for a flat or folded product as an absolute path and file name. Up to 250 characters. |
|            | <a href="#">FrontContentFile</a>                | <a href="#">TextType</a> <b>Max</b> |     |         |       | documentation<br>Used with BackContentFile, must not be                                                                                                                                                                         |

|  |                                         |                                         |                                                                                                                                                                                                                                                                                                                                                                                                 |
|--|-----------------------------------------|-----------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | <a href="#">BackContentFile</a>         | <a href="#">TextType Max</a>            | used with<br>ContentFile<br>documentation<br>Used with<br>FrontContentFile,<br>must not be<br>used with<br>ContentFile<br>documentation                                                                                                                                                                                                                                                         |
|  | <a href="#">TextContentFile</a>         | <a href="#">TextType Max</a>            | May only be<br>used for Bound<br>products.<br>(overrides<br>ContentFile).<br>A string that<br>identifies a PDF<br>content file for a<br>bound product's<br>text as an<br>absolute path<br>and file name. A<br>bound product's<br>text is defined as<br>all components<br>whose Cover =<br>False. Up to 250<br>characters.                                                                       |
|  | <a href="#">CoverContentFile</a>        | <a href="#">TextType Max</a>            | documentation<br>May only be<br>used for Bound<br>products.<br>A string that<br>identifies a PDF<br>content file for a<br>bound product's<br>cover as an<br>absolute path<br>and file name. A<br>cover is a<br>component<br>whose Cover =<br>True. Up to 250<br>characters.                                                                                                                     |
|  | <a href="#">ContentPositionRule</a>     | <a href="#">ContentPositionRuleType</a> | documentation<br>Non-Bound<br>products only.<br>Determines how<br>to position PDF<br>content file<br>pages for a flat<br>or folded<br>product. If not<br>supplied,<br>defaults to the<br>user-defined<br>default in Metrix.<br>This rule is not<br>tested when<br>importing MXML<br>into Metrix, but<br>is tested when<br>exporting any<br>prepress data<br>(Imposed PDF or<br>JDF Imposition). |
|  | <a href="#">TextContentPositionRule</a> | <a href="#">ContentPositionRuleType</a> | documentation<br>Bound Products                                                                                                                                                                                                                                                                                                                                                                 |

|            |                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|------------|-------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|            | <p><a href="#">CoverContentPositionRule</a> <a href="#">ContentPositionRuleType</a></p>                           | <p>only.<br/>Determines how to position PDF content file pages for a bound product's text. If not supplied, defaults to the user-defined default in Metrix. This rule is not tested when importing MXML into Metrix, but is tested when exporting any prepress data (Imposed PDF or JDF Imposition).<br/>documentation<br/>Determines how to position PDF content file pages for a bound product's text. If not supplied, defaults to the user-defined default in Metrix. This rule is not tested when importing MXML into Metrix, but is tested when exporting any prepress data (Imposed PDF or JDF Imposition).<br/>documentation<br/>Bound Products only.<br/>Determines how to position PDF content file pages for a bound product's cover. If not supplied, defaults to the user-defined default in Metrix. This rule is not tested when importing MXML into Metrix, but is tested when exporting any prepress data (Imposed PDF or JDF Imposition).</p> |
| annotation | documentation<br>The parent element for all the 2nd up bound product content.<br>Required if BindingNumberUp > 1. |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |

element **Content3rdUp**

|            |                                                 |                                     |     |         |       |                                                                                                                                                                                                                                                                                         |
|------------|-------------------------------------------------|-------------------------------------|-----|---------|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| type       | extension of <a href="#">ProductContentType</a> |                                     |     |         |       |                                                                                                                                                                                                                                                                                         |
| properties | content    complex                              |                                     |     |         |       |                                                                                                                                                                                                                                                                                         |
| children   | <a href="#">PagePool</a>                        |                                     |     |         |       |                                                                                                                                                                                                                                                                                         |
| used by    | element <a href="#">Product</a>                 |                                     |     |         |       |                                                                                                                                                                                                                                                                                         |
| attributes | Name                                            | Type                                | Use | Default | Fixed | Annotation                                                                                                                                                                                                                                                                              |
|            | <a href="#">ContentFile</a>                     | <a href="#">TextType</a> <b>Max</b> |     |         |       | documentation<br>Single content file, can't be used with FrontContentFile or BackContentFile. A string that identifies a PDF content file for a flat or folded product as an absolute path and file name. Up to 250 characters.                                                         |
|            | <a href="#">FrontContentFile</a>                | <a href="#">TextType</a> <b>Max</b> |     |         |       | documentation<br>Used with BackContentFile, must not be used with ContentFile                                                                                                                                                                                                           |
|            | <a href="#">BackContentFile</a>                 | <a href="#">TextType</a> <b>Max</b> |     |         |       | documentation<br>Used with FrontContentFile, must not be used with ContentFile                                                                                                                                                                                                          |
|            | <a href="#">TextContentFile</a>                 | <a href="#">TextType</a> <b>Max</b> |     |         |       | documentation<br>May only be used for Bound products. (overrides ContentFile). A string that identifies a PDF content file for a bound product's text as an absolute path and file name. A bound product's text is defined as all components whose Cover = False. Up to 250 characters. |
|            | <a href="#">CoverContentFile</a>                | <a href="#">TextType</a> <b>Max</b> |     |         |       | documentation<br>May only be used for Bound products. A string that identifies a PDF content file for a bound product's cover as an                                                                                                                                                     |

|  |                                         |                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|--|-----------------------------------------|-----------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | <a href="#">ContentPositionRule</a>     | <a href="#">ContentPositionRuleType</a> | <p>absolute path and file name. A cover is a component whose Cover = True. Up to 250 characters.</p> <p>documentation</p> <p>Non-Bound products only. Determines how to position PDF content file pages for a flat or folded product. If not supplied, defaults to the user-defined default in Metrix. This rule is not tested when importing MXML into Metrix, but is tested when exporting any prepress data (Imposed PDF or JDF Imposition).</p>                                                                                                                                             |
|  | <a href="#">TextContentPositionRule</a> | <a href="#">ContentPositionRuleType</a> | <p>documentation</p> <p>Bound Products only. Determines how to position PDF content file pages for a bound product's text. If not supplied, defaults to the user-defined default in Metrix. This rule is not tested when importing MXML into Metrix, but is tested when exporting any prepress data (Imposed PDF or JDF Imposition).</p> <p>documentation</p> <p>Determines how to position PDF content file pages for a bound product's text. If not supplied, defaults to the user-defined default in Metrix. This rule is not tested when importing MXML into Metrix, but is tested when</p> |

|            |                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                   |
|------------|----------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|            | <a href="#">CoverContentPositionRule</a> <a href="#">ContentPositionRuleType</a>                               | exporting any prepress data (Imposed PDF or JDF Imposition).<br>documentation<br>Bound Products only.<br>Determines how to position PDF content file pages for a bound product's cover. If not supplied, defaults to the user-defined default in Metrix. This rule is not tested when importing MXML into Metrix, but is tested when exporting any prepress data (Imposed PDF or JDF Imposition). |
| annotation | documentation<br>The parent element for all the 2nd up bound product content. Required if BindingNumberUp > 1. |                                                                                                                                                                                                                                                                                                                                                                                                   |

element
 **ContentFile**

|            |                                                                                                                                                                                                                                                                                                                                                                                                                           |                              |  |  |  |  |  |
|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|--|--|--|--|--|
| properties | content                                                                                                                                                                                                                                                                                                                                                                                                                   | complex                      |  |  |  |  |  |
| used by    | element                                                                                                                                                                                                                                                                                                                                                                                                                   | <a href="#">ResourcePool</a> |  |  |  |  |  |
| attributes | <div> Name ID </div> <div> Type <a href="#">RefIDType</a> </div> <div> Use required </div> <div> Default </div> <div> Fixed </div> <div> Annotation documentation<br/> An identifier for the element, unique within the scope of the MXML document. The ID attribute can be used as a reference to the element from elsewhere in the MXML document. Up to 250 characters. documentation<br/> The PDF content file. </div> |                              |  |  |  |  |  |
|            | <div> <a href="#">File</a> </div> <div> xs:string </div> <div> required </div>                                                                                                                                                                                                                                                                                                                                            |                              |  |  |  |  |  |

attribute
 **ContentFile/@ID**

|            |                           |          |            |
|------------|---------------------------|----------|------------|
| type       | <a href="#">RefIDType</a> |          |            |
| properties | use                       | required |            |
| facets     | Kind                      | Value    | Annotation |

|            |                                                                                                                                                                                                                     |
|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|            | minLength 0<br>maxLength 250                                                                                                                                                                                        |
| annotation | documentation<br>An identifier for the element, unique within the scope of the MXML document. The ID attribute can be used as a reference to the element from elsewhere in the MXML document. Up to 250 characters. |

attribute **ContentFile/@File**

|            |                                        |
|------------|----------------------------------------|
| type       | <b>xs:string</b>                       |
| properties | use required                           |
| annotation | documentation<br>The PDF content file. |

element **ContentFileRef**

|            |                                                                                                                                                                                   |
|------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| properties | content complex                                                                                                                                                                   |
| used by    | element <a href="#">Page</a>                                                                                                                                                      |
| attributes | <div> <div>Name</div> <div>Type</div> <div>Use</div> <div>Default</div> <div>Fixed</div> <div>Annotation</div> </div> <div> <a href="#">rRef</a> <a href="#">RefIDType</a> </div> |

attribute **ContentFileRef/@rRef**

|        |                                                                                                                 |
|--------|-----------------------------------------------------------------------------------------------------------------|
| type   | <a href="#">RefIDType</a>                                                                                       |
| facets | <div> <div>Kind</div> <div>Value</div> <div>Annotation</div> </div> <div> minLength 0<br/> maxLength 250 </div> |

element **Contour**

|            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| properties | content complex                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| used by    | element <a href="#">CutterOperations</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| attributes | <div> <div>Name</div> <div>Type</div> <div>Use</div> <div>Default</div> <div>Fixed</div> <div>Annotation</div> </div> <div> <a href="#">CutterOperation</a> <b>xs:string</b> optional </div> <div> <div> <a href="#">Name</a> <b>xs:string</b> required </div> <div> <a href="#">Path</a> <b>xs:string</b> required </div> <div> <a href="#">Perimeter</a> <b>derived by: xs:double</b> optional </div> </div> <div> documentation<br/> Operation performed by digital cutting tools, such as cutting and creasing. User-definable when configuring cutting tools for digital presses. documentation<br/> The name of the contour line. Maximum 250 characters. documentation<br/> The contour shape definition. documentation<br/> Optional. The length of the contour line. </div> |

|            |                                                                                                                             |
|------------|-----------------------------------------------------------------------------------------------------------------------------|
|            | Used by some other applications but not used by Metrix.                                                                     |
| annotation | documentation<br>Path defined in the PDF source file to be used for digital cutter operations such as cutting and creasing. |

#### attribute **Contour/@CutterOperation**

|            |                                                                                                                                                                 |
|------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| type       | <b>xs:string</b>                                                                                                                                                |
| properties | use optional                                                                                                                                                    |
| annotation | documentation<br>Operation performed by digital cutting tools, such as cutting and creasing. User-definable when configuring cutting tools for digital presses. |

#### attribute **Contour/@Name**

|            |                                                                        |
|------------|------------------------------------------------------------------------|
| type       | <b>xs:string</b>                                                       |
| properties | use required                                                           |
| annotation | documentation<br>The name of the contour line. Maximum 250 characters. |

#### attribute **Contour/@Path**

|            |                                                |
|------------|------------------------------------------------|
| type       | <b>xs:string</b>                               |
| properties | use required                                   |
| annotation | documentation<br>The contour shape definition. |

#### attribute **Contour/@Perimeter**

|            |                                                                                                                    |
|------------|--------------------------------------------------------------------------------------------------------------------|
| type       | restriction of <b>xs:double</b>                                                                                    |
| properties | use optional                                                                                                       |
| facets     | Kind Value Annotation<br>minExclusive 0                                                                            |
| annotation | documentation<br>Optional. The length of the contour line. Used by some other applications but not used by Metrix. |

#### element **CoverFoldingScheme**

|            |                                        |
|------------|----------------------------------------|
| properties | content complex                        |
| children   | <a href="#">FoldingSchemeRef</a>       |
| used by    | element <a href="#">ComponentHints</a> |

#### element **CoverFoldingScheme/FoldingSchemeRef**

|            |                                                 |
|------------|-------------------------------------------------|
| type       | <a href="#">ResourceRefElementType</a>          |
| properties | minOcc 1<br>maxOcc unbounded<br>content complex |

|            |                                                                                             |                                   |     |         |       |            |
|------------|---------------------------------------------------------------------------------------------|-----------------------------------|-----|---------|-------|------------|
| attributes | Name<br><a href="#">rRef</a>                                                                | Type<br><a href="#">RefIDType</a> | Use | Default | Fixed | Annotation |
| annotation | documentation<br>This is a folding scheme to be used when constructing the cover component. |                                   |     |         |       |            |

#### element **CoverInsideInkPool**

|            |                        |         |
|------------|------------------------|---------|
| properties | content                | complex |
| children   | <a href="#">InkRef</a> |         |

#### element **CoverInsideInkPool/InkRef**

|            |                                        |                                   |     |         |       |            |
|------------|----------------------------------------|-----------------------------------|-----|---------|-------|------------|
| type       | <a href="#">ResourceRefElementType</a> |                                   |     |         |       |            |
| properties | minOcc                                 | 1                                 |     |         |       |            |
|            | maxOcc                                 | unbounded                         |     |         |       |            |
|            | content                                | complex                           |     |         |       |            |
| attributes | Name<br><a href="#">rRef</a>           | Type<br><a href="#">RefIDType</a> | Use | Default | Fixed | Annotation |

#### element **CoverOutsideInkPool**

|            |                        |         |
|------------|------------------------|---------|
| properties | content                | complex |
| children   | <a href="#">InkRef</a> |         |

#### element **CoverOutsideInkPool/InkRef**

|            |                                        |                                   |     |         |       |            |
|------------|----------------------------------------|-----------------------------------|-----|---------|-------|------------|
| type       | <a href="#">ResourceRefElementType</a> |                                   |     |         |       |            |
| properties | minOcc                                 | 1                                 |     |         |       |            |
|            | maxOcc                                 | unbounded                         |     |         |       |            |
|            | content                                | complex                           |     |         |       |            |
| attributes | Name<br><a href="#">rRef</a>           | Type<br><a href="#">RefIDType</a> | Use | Default | Fixed | Annotation |

#### element **CoverStock**

|            |                          |                                |
|------------|--------------------------|--------------------------------|
| properties | content                  | complex                        |
| children   | <a href="#">StockRef</a> |                                |
| used by    | element                  | <a href="#">ComponentHints</a> |

#### element **CoverStock/StockRef**

|            |                                                                 |                                   |     |         |       |            |
|------------|-----------------------------------------------------------------|-----------------------------------|-----|---------|-------|------------|
| type       | <a href="#">ResourceRefElementType</a>                          |                                   |     |         |       |            |
| properties | minOcc                                                          | 1                                 |     |         |       |            |
|            | maxOcc                                                          | unbounded                         |     |         |       |            |
|            | content                                                         | complex                           |     |         |       |            |
| attributes | Name<br><a href="#">rRef</a>                                    | Type<br><a href="#">RefIDType</a> | Use | Default | Fixed | Annotation |
| annotation | documentation<br>This is the stock to use for cover components. |                                   |     |         |       |            |

element **Customer**

|            |                                      |                                   |                 |         |       |                                                                                                                                                                                                                                   |
|------------|--------------------------------------|-----------------------------------|-----------------|---------|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| properties | content    complex                   |                                   |                 |         |       |                                                                                                                                                                                                                                   |
| children   | <a href="#">CustomerContact</a>      |                                   |                 |         |       |                                                                                                                                                                                                                                   |
| used by    | element <a href="#">ResourcePool</a> |                                   |                 |         |       |                                                                                                                                                                                                                                   |
| attributes | Name<br><a href="#">ID</a>           | Type<br><a href="#">RefIDType</a> | Use<br>required | Default | Fixed | Annotation<br>documentation<br>An identifier for the element, unique within the scope of the MXML document. The ID attribute can be used as a reference to the element from elsewhere in the MXML document. Up to 250 characters. |
|            | <a href="#">CompanyName</a>          | <a href="#">TextType Max</a>      |                 |         |       | documentation<br>The company name. Up to 250 characters.                                                                                                                                                                          |
|            | <a href="#">CompanyID</a>            | <a href="#">TextType Max</a>      |                 |         |       | documentation<br>Only used if no matching customer is found in the Metrix database, in which case this is used to create the new database record. Up to 250 characters.                                                           |
|            | <a href="#">WebAddress</a>           | <a href="#">TextType Max</a>      |                 |         |       | documentation<br>Only used if no matching customer is found in the Metrix database, in which case this is used to create the new database record. Up to 250 characters.                                                           |
|            | <a href="#">City</a>                 | <a href="#">TextType Max</a>      |                 |         |       | documentation<br>Only used if no matching customer is found in the Metrix database, in which case this is used to create the new database record. Up to 250 characters.                                                           |
|            | <a href="#">Country</a>              | <a href="#">TextType Max</a>      |                 |         |       | documentation<br>Only used if no matching customer is                                                                                                                                                                             |



|  |             |
|--|-------------|
|  | characters. |
|--|-------------|

#### attribute **Customer/@ID**

|            |                                                                                                                                                                                                                     |       |            |
|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------------|
| type       | <a href="#">RefIDType</a>                                                                                                                                                                                           |       |            |
| properties | use required                                                                                                                                                                                                        |       |            |
| facets     | Kind                                                                                                                                                                                                                | Value | Annotation |
|            | minLength                                                                                                                                                                                                           | 0     |            |
|            | maxLength                                                                                                                                                                                                           | 250   |            |
| annotation | documentation<br>An identifier for the element, unique within the scope of the MXML document. The ID attribute can be used as a reference to the element from elsewhere in the MXML document. Up to 250 characters. |       |            |

#### attribute **Customer/@CompanyName**

|            |                                                          |       |            |
|------------|----------------------------------------------------------|-------|------------|
| type       | <a href="#">TextType Max</a>                             |       |            |
| facets     | Kind                                                     | Value | Annotation |
|            | minLength                                                | 0     |            |
|            | maxLength                                                | 250   |            |
| annotation | documentation<br>The company name. Up to 250 characters. |       |            |

#### attribute **Customer/@CompanyID**

|            |                                                                                                                                                                         |       |            |
|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------------|
| type       | <a href="#">TextType Max</a>                                                                                                                                            |       |            |
| facets     | Kind                                                                                                                                                                    | Value | Annotation |
|            | minLength                                                                                                                                                               | 0     |            |
|            | maxLength                                                                                                                                                               | 250   |            |
| annotation | documentation<br>Only used if no matching customer is found in the Metrix database, in which case this is used to create the new database record. Up to 250 characters. |       |            |

#### attribute **Customer/@WebAddress**

|            |                                                                                                                                                                         |       |            |
|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------------|
| type       | <a href="#">TextType Max</a>                                                                                                                                            |       |            |
| facets     | Kind                                                                                                                                                                    | Value | Annotation |
|            | minLength                                                                                                                                                               | 0     |            |
|            | maxLength                                                                                                                                                               | 250   |            |
| annotation | documentation<br>Only used if no matching customer is found in the Metrix database, in which case this is used to create the new database record. Up to 250 characters. |       |            |

#### attribute **Customer/@City**

|            |                                                                                                                                                                         |       |            |
|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------------|
| type       | <a href="#">TextType Max</a>                                                                                                                                            |       |            |
| facets     | Kind                                                                                                                                                                    | Value | Annotation |
|            | minLength                                                                                                                                                               | 0     |            |
|            | maxLength                                                                                                                                                               | 250   |            |
| annotation | documentation<br>Only used if no matching customer is found in the Metrix database, in which case this is used to create the new database record. Up to 250 characters. |       |            |

attribute **Customer/@Country**

|            |                                                                                                                                                                         |       |            |
|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------------|
| type       | <a href="#">TextType Max</a>                                                                                                                                            |       |            |
| facets     | Kind                                                                                                                                                                    | Value | Annotation |
|            | minLength                                                                                                                                                               | 0     |            |
|            | maxLength                                                                                                                                                               | 250   |            |
| annotation | documentation<br>Only used if no matching customer is found in the Metrix database, in which case this is used to create the new database record. Up to 250 characters. |       |            |

attribute **Customer/@CountryCode**

|            |                                                                                                                                                                         |       |            |
|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------------|
| type       | <a href="#">TextType Max</a>                                                                                                                                            |       |            |
| facets     | Kind                                                                                                                                                                    | Value | Annotation |
|            | minLength                                                                                                                                                               | 0     |            |
|            | maxLength                                                                                                                                                               | 250   |            |
| annotation | documentation<br>Only used if no matching customer is found in the Metrix database, in which case this is used to create the new database record. Up to 250 characters. |       |            |

attribute **Customer/@PostBox**

|            |                                                                                                                                                                         |       |            |
|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------------|
| type       | <a href="#">TextType Max</a>                                                                                                                                            |       |            |
| facets     | Kind                                                                                                                                                                    | Value | Annotation |
|            | minLength                                                                                                                                                               | 0     |            |
|            | maxLength                                                                                                                                                               | 250   |            |
| annotation | documentation<br>Only used if no matching customer is found in the Metrix database, in which case this is used to create the new database record. Up to 250 characters. |       |            |

attribute **Customer/@PostalCode**

|            |                                                                                                                                                                         |       |            |
|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------------|
| type       | <a href="#">TextType Max</a>                                                                                                                                            |       |            |
| facets     | Kind                                                                                                                                                                    | Value | Annotation |
|            | minLength                                                                                                                                                               | 0     |            |
|            | maxLength                                                                                                                                                               | 250   |            |
| annotation | documentation<br>Only used if no matching customer is found in the Metrix database, in which case this is used to create the new database record. Up to 250 characters. |       |            |

attribute **Customer/@Region**

|            |                                                                                                                                                                         |       |            |
|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------------|
| type       | <a href="#">TextType Max</a>                                                                                                                                            |       |            |
| facets     | Kind                                                                                                                                                                    | Value | Annotation |
|            | minLength                                                                                                                                                               | 0     |            |
|            | maxLength                                                                                                                                                               | 250   |            |
| annotation | documentation<br>Only used if no matching customer is found in the Metrix database, in which case this is used to create the new database record. Up to 250 characters. |       |            |

attribute **Customer/@Street**

|        |                              |       |            |
|--------|------------------------------|-------|------------|
| type   | <a href="#">TextType Max</a> |       |            |
| facets | Kind                         | Value | Annotation |
|        | minLength                    | 0     |            |

|            |                                                                                                                                                                         |
|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|            | maxLength 250                                                                                                                                                           |
| annotation | documentation<br>Only used if no matching customer is found in the Metrix database, in which case this is used to create the new database record. Up to 250 characters. |

element
 **CustomerContact**

|            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                          |  |  |  |  |
|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|--|--|--|--|
| properties | content                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | complex                  |  |  |  |  |
| used by    | element                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | <a href="#">Customer</a> |  |  |  |  |
| attributes | <div> <div>Name</div> <div><a href="#">ID</a></div> <div>Type</div> <div><a href="#">RefIDType</a></div> <div>Use</div> <div>required</div> <div>Default</div> <div></div> <div>Fixed</div> <div></div> <div>Annotation</div> <div>documentation<br/>An identifier for the element, unique within the scope of the MXML document. The ID attribute can be used as a reference to the element from elsewhere in the MXML document. Up to 250 characters.</div> </div> <div> <div><a href="#">FamilyName</a></div> <div><a href="#">TextType Medium</a></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div>documentation<br/>The contact's family name (or surname). Up to 90 characters.</div> </div> <div> <div><a href="#">FirstName</a></div> <div><a href="#">TextType Medium</a></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div>documentation<br/>The contact's first name (also called their given name). Up to 90 characters.</div> </div> <div> <div><a href="#">JobTitle</a></div> <div><a href="#">TextType Max</a></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div>documentation<br/>Only used if no matching customer contact is found in the Metrix database, in which case this is used to create the new database record. Up to 250 characters.</div> </div> <div> <div><a href="#">Phone</a></div> <div><a href="#">TextType Max</a></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div>documentation<br/>Only used if no matching customer contact is found in the Metrix database, in which case this is used to create the new database record. Up to 250 characters.</div> </div> |                          |  |  |  |  |

|  |                                                       |                                                                                                                                                                                 |
|--|-------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | <a href="#">Fax</a> <a href="#">TextType Max</a>      | documentation<br>Only used if no matching customer contact is found in the Metrix database, in which case this is used to create the new database record. Up to 250 characters. |
|  | <a href="#">Email</a> <a href="#">TextType Max</a>    | documentation<br>Only used if no matching customer contact is found in the Metrix database, in which case this is used to create the new database record. Up to 250 characters. |
|  | <a href="#">SalesRep</a> <a href="#">TextType Max</a> | documentation<br>Only used if no matching customer contact is found in the Metrix database, in which case this is used to create the new database record. Up to 250 characters. |

#### attribute **CustomerContact/@ID**

|            |                                                                                                                                                                                                                     |       |            |
|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------------|
| type       | <a href="#">RefIDType</a>                                                                                                                                                                                           |       |            |
| properties | use required                                                                                                                                                                                                        |       |            |
| facets     | Kind                                                                                                                                                                                                                | Value | Annotation |
|            | minLength                                                                                                                                                                                                           | 0     |            |
|            | maxLength                                                                                                                                                                                                           | 250   |            |
| annotation | documentation<br>An identifier for the element, unique within the scope of the MXML document. The ID attribute can be used as a reference to the element from elsewhere in the MXML document. Up to 250 characters. |       |            |

#### attribute **CustomerContact/@FamilyName**

|            |                                                                               |       |            |
|------------|-------------------------------------------------------------------------------|-------|------------|
| type       | <a href="#">TextType Medium</a>                                               |       |            |
| facets     | Kind                                                                          | Value | Annotation |
|            | minLength                                                                     | 0     |            |
|            | maxLength                                                                     | 90    |            |
| annotation | documentation<br>The contact's family name (or surname). Up to 90 characters. |       |            |

attribute **CustomerContact/@FirstName**

|            |                                                                                                |       |            |
|------------|------------------------------------------------------------------------------------------------|-------|------------|
| type       | <a href="#">TextType Medium</a>                                                                |       |            |
| facets     | Kind                                                                                           | Value | Annotation |
|            | minLength                                                                                      | 0     |            |
|            | maxLength                                                                                      | 90    |            |
| annotation | documentation<br>The contact's first name (also called their given name). Up to 90 characters. |       |            |

attribute **CustomerContact/@JobTitle**

|            |                                                                                                                                                                                 |       |            |
|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------------|
| type       | <a href="#">TextType Max</a>                                                                                                                                                    |       |            |
| facets     | Kind                                                                                                                                                                            | Value | Annotation |
|            | minLength                                                                                                                                                                       | 0     |            |
|            | maxLength                                                                                                                                                                       | 250   |            |
| annotation | documentation<br>Only used if no matching customer contact is found in the Metrix database, in which case this is used to create the new database record. Up to 250 characters. |       |            |

attribute **CustomerContact/@Phone**

|            |                                                                                                                                                                                 |       |            |
|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------------|
| type       | <a href="#">TextType Max</a>                                                                                                                                                    |       |            |
| facets     | Kind                                                                                                                                                                            | Value | Annotation |
|            | minLength                                                                                                                                                                       | 0     |            |
|            | maxLength                                                                                                                                                                       | 250   |            |
| annotation | documentation<br>Only used if no matching customer contact is found in the Metrix database, in which case this is used to create the new database record. Up to 250 characters. |       |            |

attribute **CustomerContact/@Fax**

|            |                                                                                                                                                                                 |       |            |
|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------------|
| type       | <a href="#">TextType Max</a>                                                                                                                                                    |       |            |
| facets     | Kind                                                                                                                                                                            | Value | Annotation |
|            | minLength                                                                                                                                                                       | 0     |            |
|            | maxLength                                                                                                                                                                       | 250   |            |
| annotation | documentation<br>Only used if no matching customer contact is found in the Metrix database, in which case this is used to create the new database record. Up to 250 characters. |       |            |

attribute **CustomerContact/@Email**

|            |                                                                                                                                                                                 |       |            |
|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------------|
| type       | <a href="#">TextType Max</a>                                                                                                                                                    |       |            |
| facets     | Kind                                                                                                                                                                            | Value | Annotation |
|            | minLength                                                                                                                                                                       | 0     |            |
|            | maxLength                                                                                                                                                                       | 250   |            |
| annotation | documentation<br>Only used if no matching customer contact is found in the Metrix database, in which case this is used to create the new database record. Up to 250 characters. |       |            |

attribute **CustomerContact/@SalesRep**

|        |                              |       |            |
|--------|------------------------------|-------|------------|
| type   | <a href="#">TextType Max</a> |       |            |
| facets | Kind                         | Value | Annotation |
|        | minLength                    | 0     |            |

|            |                                                                                                                                                                                 |
|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|            | maxLength 250                                                                                                                                                                   |
| annotation | documentation<br>Only used if no matching customer contact is found in the Metrix database, in which case this is used to create the new database record. Up to 250 characters. |

element **CutoffLength**

|            |                               |                                     |          |         |       |                                                              |
|------------|-------------------------------|-------------------------------------|----------|---------|-------|--------------------------------------------------------------|
| type       | extension of <b>xs:string</b> |                                     |          |         |       |                                                              |
| properties | content                       | complex                             |          |         |       |                                                              |
| used by    | element                       | <a href="#">CutoffLengthPool</a>    |          |         |       |                                                              |
| attributes | Name                          | Type                                | Use      | Default | Fixed | Annotation                                                   |
|            | <a href="#">ID</a>            | <a href="#">RefIDType</a>           | required |         |       |                                                              |
|            | <a href="#">CutoffLength</a>  | <a href="#">LinearDimensionType</a> | required |         |       | documentation<br>Length of cutoff<br>for rollfed<br>presses. |

attribute **CutoffLength/@ID**

|            |                           |          |            |  |  |  |
|------------|---------------------------|----------|------------|--|--|--|
| type       | <a href="#">RefIDType</a> |          |            |  |  |  |
| properties | use                       | required |            |  |  |  |
| facets     | Kind                      | Value    | Annotation |  |  |  |
|            | minLength                 | 0        |            |  |  |  |
|            | maxLength                 | 250      |            |  |  |  |

attribute **CutoffLength/@CutoffLength**

|            |                                                        |          |  |
|------------|--------------------------------------------------------|----------|--|
| type       | <a href="#">LinearDimensionType</a>                    |          |  |
| properties | use                                                    | required |  |
| annotation | documentation<br>Length of cutoff for rollfed presses. |          |  |

element **CutoffLengthPool**

|            |                              |                                 |
|------------|------------------------------|---------------------------------|
| properties | content                      | complex                         |
| children   | <a href="#">CutoffLength</a> |                                 |
| used by    | complexType                  | <a href="#">PressDefinition</a> |

element **CutterAlignmentMark**

|            |                                                           |                                        |          |         |       |                                                                                                    |
|------------|-----------------------------------------------------------|----------------------------------------|----------|---------|-------|----------------------------------------------------------------------------------------------------|
| properties | content    complex                                        |                                        |          |         |       |                                                                                                    |
| used by    | elements <a href="#">MarkPool</a> <a href="#">MarkSet</a> |                                        |          |         |       |                                                                                                    |
| attributes | Name                                                      | Type                                   | Use      | Default | Fixed | Annotation                                                                                         |
|            | <a href="#">HorizontalOffset</a>                          | <a href="#">LinearDimensionType</a>    | required |         |       | documentation<br>The horizontal offset amount of the mark from the lower-left corner of the sheet. |
|            | <a href="#">LayoutAnchorHorizontal</a>                    | <a href="#">MarkAnchorLocationType</a> | required |         |       | documentation                                                                                      |

|                                          |                                        |          |  |                                                                                                  |
|------------------------------------------|----------------------------------------|----------|--|--------------------------------------------------------------------------------------------------|
|                                          |                                        |          |  | Horizontal anchor point on the layout.                                                           |
| <a href="#">LayoutAnchorObject</a>       | <a href="#">MarkAnchorObjectType</a>   | required |  | documentation<br>Mark is anchored relative to the selected object.                               |
| <a href="#">LayoutAnchorVertical</a>     | <a href="#">MarkAnchorLocationType</a> | required |  | documentation<br>Vertical anchor point on the layout.                                            |
| <a href="#">MarkAnchorHorizontal</a>     | <a href="#">MarkAnchorLocationType</a> | required |  | documentation<br>Mark horizontal anchor point.                                                   |
| <a href="#">MarkAnchorVertical</a>       | <a href="#">MarkAnchorLocationType</a> | required |  | documentation<br>Mark vertical anchor point.                                                     |
| <a href="#">MirrorBackup</a>             | <b>xs:boolean</b>                      | required |  | documentation<br>When True, the position of the mark on the back mirrors the front.              |
| <a href="#">OverPageContent</a>          | <b>xs:boolean</b>                      | required |  | documentation<br>When True, marks will overprint page content.                                   |
| <a href="#">Output</a>                   | <a href="#">MarkOutputType</a>         | required |  | documentation<br>Mark output type.                                                               |
| <a href="#">Placement</a>                | <a href="#">MarkPlacementType</a>      | required |  | documentation<br>Side(s) of the layout on which to place the mark.                               |
| <a href="#">VerticalOffset</a>           | <a href="#">LinearDimensionType</a>    | required |  | documentation<br>The vertical offset amount of the mark from the lower-left corner of the sheet. |
| <a href="#">CutterAlignmentType</a>      | <b>derived by: xs:string</b>           | required |  | documentation<br>The type of Cutter Alignment Mark.                                              |
| <a href="#">CutterAlignmentSpotBlack</a> | <b>xs:boolean</b>                      | required |  | documentation<br>Uses a spot black ink for Cutter Alignment Marks rather than process black.     |
| <a href="#">CutterAlignmentSpotWhite</a> | <b>xs:boolean</b>                      | required |  | documentation<br>Uses a spot white ink for Cutter Alignment                                      |

|  |                                                                                       |                                                                                                                                                                                                            |
|--|---------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | <a href="#">CutterAlignmentSpotUV</a> <b>xs:boolean</b> false                         | Marks rather than no ink.<br>documentation<br>Indicates that Inks used for Cutter Alignment Marks UV Inks.<br>documentation<br>Diameter of the inner mark.<br>documentation<br>Diameter of the outer mark. |
|  | <a href="#">CutterAlignmentInnerSize</a> <a href="#">LinearDimensionType</a> required |                                                                                                                                                                                                            |
|  | <a href="#">CutterAlignmentOuterSize</a> <a href="#">LinearDimensionType</a> required |                                                                                                                                                                                                            |

### element **CutterAlignmentMarkGroup**

|                   |                                                                                                                                                                                                |
|-------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| type alternatives | Test      XPathDefaultNs      Type      Annotation<br>count(attribute::* eq '2' <a href="#">PlantReference</a><br>count(attribute::* gt '2' <a href="#">CutterAlignmentMarkGroupDefinition</a> |
| used by           | element <a href="#">ResourcePool</a>                                                                                                                                                           |

### element **CutterOperations**

|            |                                   |
|------------|-----------------------------------|
| properties | content      complex              |
| children   | <a href="#">Contour</a>           |
| used by    | element <a href="#">Component</a> |

### element **CuttingMachine**

|                   |                                                                                                                                                                                      |
|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| type alternatives | Test      XPathDefaultNs      Type      Annotation<br>count(attribute::* eq '2' <a href="#">PlantReference</a><br>count(attribute::* gt '2' <a href="#">CuttingMachineDefinition</a> |
| used by           | element <a href="#">ResourcePool</a>                                                                                                                                                 |

### element **CuttingMachineRef**

|            |                                          |                                                                                |          |         |       |                                                                                                                                                                               |
|------------|------------------------------------------|--------------------------------------------------------------------------------|----------|---------|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| properties | content    complex                       |                                                                                |          |         |       |                                                                                                                                                                               |
| children   | <a href="#">CuttingMachineCalculated</a> |                                                                                |          |         |       |                                                                                                                                                                               |
| used by    | elements                                 | <a href="#">AutoPlanProductionMethod</a> <a href="#">CuttingMachineRefPool</a> |          |         |       |                                                                                                                                                                               |
|            | complexType                              | <a href="#">LayoutDefinition</a>                                               |          |         |       |                                                                                                                                                                               |
| attributes | Name                                     | Type                                                                           | Use      | Default | Fixed | Annotation                                                                                                                                                                    |
|            | <a href="#">rRef</a>                     | <a href="#">RefIDType</a>                                                      | required |         |       |                                                                                                                                                                               |
|            | <a href="#">MinCuts</a>                  | <b>xs:boolean</b>                                                              |          | false   |       | documentation<br>When MinCuts (minimum cuts) is True, Metrix calculates the least number of cuts in a project so multiple components can be stacked and cut at the same time. |

attribute **CuttingMachineRef/@rRef**

|            |                           |       |            |
|------------|---------------------------|-------|------------|
| type       | <a href="#">RefIDType</a> |       |            |
| properties | use required              |       |            |
| facets     | Kind                      | Value | Annotation |
|            | minLength                 | 0     |            |
|            | maxLength                 | 250   |            |

attribute **CuttingMachineRef/@MinCuts**

|            |                                                                                                                                                                               |  |  |
|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|
| type       | <b>xs:boolean</b>                                                                                                                                                             |  |  |
| properties | default false                                                                                                                                                                 |  |  |
| annotation | documentation<br>When MinCuts (minimum cuts) is True, Metrix calculates the least number of cuts in a project so multiple components can be stacked and cut at the same time. |  |  |

element **CuttingMachineRef/CuttingMachineCalculated**

|            |          |          |
|------------|----------|----------|
| properties | minOcc 0 | maxOcc 1 |
|------------|----------|----------|

element **CuttingMachineRefPool**

|            |                                       |                           |     |                  |       |                                                                                                                                                                                             |
|------------|---------------------------------------|---------------------------|-----|------------------|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| properties | content complex                       |                           |     |                  |       |                                                                                                                                                                                             |
| children   | <a href="#">CuttingMachineRef</a>     |                           |     |                  |       |                                                                                                                                                                                             |
| used by    | element <a href="#">AutoPlanHints</a> |                           |     |                  |       |                                                                                                                                                                                             |
| attributes | Name<br><a href="#">MinCuts</a>       | Type<br><b>xs:boolean</b> | Use | Default<br>false | Fixed | Annotation<br>documentation<br>When MinCuts (minimum cuts) is True, Metrix calculates the least number of cuts in a project so multiple components can be stacked and cut at the same time. |

attribute **CuttingMachineRefPool/@MinCuts**

|            |                                                                                                                                                                               |  |  |
|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|
| type       | <b>xs:boolean</b>                                                                                                                                                             |  |  |
| properties | default false                                                                                                                                                                 |  |  |
| annotation | documentation<br>When MinCuts (minimum cuts) is True, Metrix calculates the least number of cuts in a project so multiple components can be stacked and cut at the same time. |  |  |

element **DieCutterTool**

|              |                             |                |      |                                |
|--------------|-----------------------------|----------------|------|--------------------------------|
| type         | Test                        | XPathDefaultNs | Type | Annotation                     |
| alternatives | count(attribute::* ) eq '2' |                |      | <a href="#">PlantReference</a> |

|         |                            |                                         |
|---------|----------------------------|-----------------------------------------|
|         | count(attribute::*) gt '2' | <a href="#">DieCutterToolDefinition</a> |
| used by | element                    | <a href="#">ResourcePool</a>            |

## element **DieCutterToolItem**

|            |                                                                                              |                                                                   |          |         |       |                                                                                                                                                                              |
|------------|----------------------------------------------------------------------------------------------|-------------------------------------------------------------------|----------|---------|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| properties | content complex                                                                              |                                                                   |          |         |       |                                                                                                                                                                              |
| children   | <a href="#">DieCutterToolItemInstancePool</a> <a href="#">DieCutterToolItemBleedMaskPool</a> |                                                                   |          |         |       |                                                                                                                                                                              |
| used by    | element                                                                                      | <a href="#">DieCutterToolItemPool</a>                             |          |         |       |                                                                                                                                                                              |
| attributes | Name                                                                                         | Type                                                              | Use      | Default | Fixed | Annotation                                                                                                                                                                   |
|            | <a href="#">Height</a>                                                                       | <a href="#">LinearDimension</a> <a href="#">FlatComponentType</a> | required |         |       | documentation<br>The height of an individual die-cutting tool item (die station).                                                                                            |
|            | <a href="#">NumberAcross</a>                                                                 | derived by: xs:integer                                            |          | -1      |       | documentation<br>The number of individual die stations horizontally across the die-cutting tool's multi-up file.                                                             |
|            | <a href="#">NumberDown</a>                                                                   | derived by: xs:integer                                            |          | -1      |       | documentation<br>The number of individual die stations vertically down the die-cutting tool's multi-up file.                                                                 |
|            | <a href="#">NumberUp</a>                                                                     | derived by: xs:integer                                            |          | -1      |       | documentation<br>Total number of individual items (die stations) in the die-cutting tool's multi-up file.                                                                    |
|            | <a href="#">OneUpDieFileName</a>                                                             | <a href="#">TextType</a> <a href="#">Max</a>                      |          |         |       | documentation<br>The name of the file used for the 1-up die. Up to 250 characters.                                                                                           |
|            | <a href="#">pageNumber</a>                                                                   | xs:nonNegativeInteger                                             |          | 0       |       |                                                                                                                                                                              |
|            | <a href="#">Shape</a>                                                                        | xs:string                                                         |          |         |       |                                                                                                                                                                              |
|            | <a href="#">Streams</a>                                                                      | derived by: xs:integer                                            |          | -1      |       | documentation<br>The number of streams for the die-cutting tool. Die-cutting Tool Type must be Rotary.                                                                       |
|            | <a href="#">StreamsNoAcross</a>                                                              | derived by: xs:integer                                            |          | -1      |       | documentation<br>Number of die-cutting tool items (die stations) across each stream.<br>"StreamsNoAcross * number of Streams" must equal total NumberAcross the multi-up die |

|  |                                                                                  |                                                                                           |
|--|----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|
|  | <a href="#">Width</a> <a href="#">LinearDimension FlatComponentType</a> required | file.<br>documentation<br>The width of an individual die-cutting tool item (die station). |
|--|----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|

#### attribute **DieCutterToolItem/@Height**

|            |                                                                                   |          |            |
|------------|-----------------------------------------------------------------------------------|----------|------------|
| type       | <a href="#">LinearDimension FlatComponentType</a>                                 |          |            |
| properties | use                                                                               | required |            |
| facets     | Kind                                                                              | Value    | Annotation |
|            | minInclusive                                                                      | 2.54     |            |
| annotation | documentation<br>The height of an individual die-cutting tool item (die station). |          |            |

#### attribute **DieCutterToolItem/@NumberAcross**

|            |                                                                                                                  |       |            |
|------------|------------------------------------------------------------------------------------------------------------------|-------|------------|
| type       | restriction of <b>xs:integer</b>                                                                                 |       |            |
| properties | default                                                                                                          | -1    |            |
| facets     | Kind                                                                                                             | Value | Annotation |
|            | minInclusive                                                                                                     | -1    |            |
| annotation | documentation<br>The number of individual die stations horizontally across the die-cutting tool's multi-up file. |       |            |

#### attribute **DieCutterToolItem/@NumberDown**

|            |                                                                                                              |       |            |
|------------|--------------------------------------------------------------------------------------------------------------|-------|------------|
| type       | restriction of <b>xs:integer</b>                                                                             |       |            |
| properties | default                                                                                                      | -1    |            |
| facets     | Kind                                                                                                         | Value | Annotation |
|            | minInclusive                                                                                                 | -1    |            |
| annotation | documentation<br>The number of individual die stations vertically down the die-cutting tool's multi-up file. |       |            |

#### attribute **DieCutterToolItem/@NumberUp**

|            |                                                                                                           |       |            |
|------------|-----------------------------------------------------------------------------------------------------------|-------|------------|
| type       | restriction of <b>xs:integer</b>                                                                          |       |            |
| properties | default                                                                                                   | -1    |            |
| facets     | Kind                                                                                                      | Value | Annotation |
|            | minInclusive                                                                                              | -1    |            |
| annotation | documentation<br>Total number of individual items (die stations) in the die-cutting tool's multi-up file. |       |            |

#### attribute **DieCutterToolItem/@OneUpDieFileName**

|            |                                                                                    |       |            |
|------------|------------------------------------------------------------------------------------|-------|------------|
| type       | <a href="#">TextType Max</a>                                                       |       |            |
| facets     | Kind                                                                               | Value | Annotation |
|            | minLength                                                                          | 0     |            |
|            | maxLength                                                                          | 250   |            |
| annotation | documentation<br>The name of the file used for the 1-up die. Up to 250 characters. |       |            |

attribute **DieCutterToolItem/@pageNumber**

|            |                              |
|------------|------------------------------|
| type       | <b>xs:nonNegativeInteger</b> |
| properties | default 0                    |

attribute **DieCutterToolItem/@Shape**

|      |                  |
|------|------------------|
| type | <b>xs:string</b> |
|------|------------------|

attribute **DieCutterToolItem/@Streams**

|            |                                                                                                        |       |            |
|------------|--------------------------------------------------------------------------------------------------------|-------|------------|
| type       | restriction of <b>xs:integer</b>                                                                       |       |            |
| properties | default                                                                                                | -1    |            |
| facets     | Kind                                                                                                   | Value | Annotation |
|            | minInclusive                                                                                           | -1    |            |
| annotation | documentation<br>The number of streams for the die-cutting tool. Die-cutting Tool Type must be Rotary. |       |            |

attribute **DieCutterToolItem/@StreamsNoAcross**

|              |                                                                                                                                                                                 |            |       |            |              |    |  |
|--------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|-------|------------|--------------|----|--|
| type         | restriction of <b>xs:integer</b>                                                                                                                                                |            |       |            |              |    |  |
| properties   | default    -1                                                                                                                                                                   |            |       |            |              |    |  |
| facets       | <table><tr><td>Kind</td><td>Value</td><td>Annotation</td></tr><tr><td>minInclusive</td><td>-1</td><td></td></tr></table>                                                        | Kind       | Value | Annotation | minInclusive | -1 |  |
| Kind         | Value                                                                                                                                                                           | Annotation |       |            |              |    |  |
| minInclusive | -1                                                                                                                                                                              |            |       |            |              |    |  |
| annotation   | documentation<br>Number of die-cutting tool items (die stations) across each stream. "StreamsNoAcross * number of Streams" must equal total NumberAcross the multi-up die file. |            |       |            |              |    |  |

attribute **DieCutterToolItem/@Width**

|            |                                                                                  |          |            |
|------------|----------------------------------------------------------------------------------|----------|------------|
| type       | <a href="#">LinearDimension</a> <a href="#">FlatComponentType</a>                |          |            |
| properties | use                                                                              | required |            |
| facets     | Kind                                                                             | Value    | Annotation |
|            | minInclusive                                                                     | 2.54     |            |
| annotation | documentation<br>The width of an individual die-cutting tool item (die station). |          |            |

element **DieCutterToolItemBleedMask**

|            |                                                        |                                             |                 |         |       |                                                                                                                                                                  |
|------------|--------------------------------------------------------|---------------------------------------------|-----------------|---------|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| type       | extension of <b>xs:string</b>                          |                                             |                 |         |       |                                                                                                                                                                  |
| properties | content complex                                        |                                             |                 |         |       |                                                                                                                                                                  |
| used by    | element <a href="#">DieCutterToolItemBleedMaskPool</a> |                                             |                 |         |       |                                                                                                                                                                  |
| attributes | Name<br><a href="#">X</a>                              | Type<br><a href="#">LinearDimensionType</a> | Use<br>required | Default | Fixed | Annotation<br>documentation<br>The position of the die-cutting tool instance's bleed mask (bleed conflict resolution rectangle) relative to the die-cutting tool |

|  |                                                                     |                                                                                                                                                                                                     |
|--|---------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | <a href="#">Y</a> <a href="#">LinearDimensionType</a> required      | on the X axis.<br><a href="#">documentation</a><br>The position of the die-cutting tool instance's bleed mask (bleed conflict resolution rectangle) relative to the die-cutting tool on the Y axis. |
|  | <a href="#">Width</a> <a href="#">LinearDimensionType</a> required  | <a href="#">documentation</a><br>Width of the bleed mask (bleed conflict resolution rectangle).                                                                                                     |
|  | <a href="#">Height</a> <a href="#">LinearDimensionType</a> required | <a href="#">documentation</a><br>Height of the bleed mask (bleed conflict resolution rectangle).                                                                                                    |

#### attribute **DieCutterToolItemBleedMask/@X**

|            |                                                                                                                                                                                   |
|------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| type       | <a href="#">LinearDimensionType</a>                                                                                                                                               |
| properties | use required                                                                                                                                                                      |
| annotation | <a href="#">documentation</a><br>The position of the die-cutting tool instance's bleed mask (bleed conflict resolution rectangle) relative to the die-cutting tool on the X axis. |

#### attribute **DieCutterToolItemBleedMask/@Y**

|            |                                                                                                                                                                                   |
|------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| type       | <a href="#">LinearDimensionType</a>                                                                                                                                               |
| properties | use required                                                                                                                                                                      |
| annotation | <a href="#">documentation</a><br>The position of the die-cutting tool instance's bleed mask (bleed conflict resolution rectangle) relative to the die-cutting tool on the Y axis. |

#### attribute **DieCutterToolItemBleedMask/@Width**

|            |                                                                                                 |
|------------|-------------------------------------------------------------------------------------------------|
| type       | <a href="#">LinearDimensionType</a>                                                             |
| properties | use required                                                                                    |
| annotation | <a href="#">documentation</a><br>Width of the bleed mask (bleed conflict resolution rectangle). |

#### attribute **DieCutterToolItemBleedMask/@Height**

|            |                                                                                                  |
|------------|--------------------------------------------------------------------------------------------------|
| type       | <a href="#">LinearDimensionType</a>                                                              |
| properties | use required                                                                                     |
| annotation | <a href="#">documentation</a><br>Height of the bleed mask (bleed conflict resolution rectangle). |

element **DieCutterToolItemBleedMaskPool**

|            |                                            |                                   |
|------------|--------------------------------------------|-----------------------------------|
| properties | content                                    | complex                           |
| children   | <a href="#">DieCutterToolItemBleedMask</a> |                                   |
| used by    | element                                    | <a href="#">DieCutterToolItem</a> |

element **DieCutterToolItemInstance**

|            |                                 |                                                    |                 |         |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|------------|---------------------------------|----------------------------------------------------|-----------------|---------|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| type       | extension of <b>xs:string</b>   |                                                    |                 |         |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| properties | content                         | complex                                            |                 |         |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| used by    | element                         | <a href="#">DieCutterToolItemInstancePool</a>      |                 |         |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| attributes | Name<br><a href="#">Flipped</a> | Type<br><b>xs:boolean</b>                          | Use<br>required | Default | Fixed | Annotation<br>documentation<br>Whether the component instance is flipped on the layout when planned using the Perfected printing method on a press that is configured with Flip Components When Perfecting = True.<br>documentation<br>The number of the die-cutting tool item instance (die station).<br>documentation<br>The rotation of the die-cutting tool instance (die station) relative to the sheet.<br>documentation<br>The position of the die-cutting tool instance (die station) relative to the die-cutting tool on the X axis.<br>documentation<br>The position of the die-cutting tool instance (die station) relative to the die-cutting tool on the Y axis. |
|            | <a href="#">Nth</a>             | <b>xs:nonNegativeInteger</b>                       | required        |         |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|            | <a href="#">Rotation</a>        | <b>derived by:</b><br><b>xs:nonNegativeInteger</b> | required        |         |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|            | <a href="#">X</a>               | <a href="#">LinearDimensionType</a>                | required        |         |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|            | <a href="#">Y</a>               | <a href="#">LinearDimensionType</a>                | required        |         |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |

attribute **DieCutterToolItemInstance/@Flipped**

|            |                                                                                                                                                                                                      |
|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| type       | <b>xs:boolean</b>                                                                                                                                                                                    |
| properties | use required                                                                                                                                                                                         |
| annotation | documentation<br>Whether the component instance is flipped on the layout when planned using the Perfected printing method on a press that is configured with Flip Components When Perfecting = True. |

attribute **DieCutterToolItemInstance/@Nth**

|            |                                                                                  |
|------------|----------------------------------------------------------------------------------|
| type       | <b>xs:nonNegativeInteger</b>                                                     |
| properties | use required                                                                     |
| annotation | documentation<br>The number of the die-cutting tool item instance (die station). |

attribute **DieCutterToolItemInstance/@Rotation**

|            |                                                                                                     |       |            |
|------------|-----------------------------------------------------------------------------------------------------|-------|------------|
| type       | restriction of <b>xs:nonNegativeInteger</b>                                                         |       |            |
| properties | use required                                                                                        |       |            |
| facets     | Kind                                                                                                | Value | Annotation |
|            | minInclusive                                                                                        | 0     |            |
|            | maxInclusive                                                                                        | 359   |            |
| annotation | documentation<br>The rotation of the die-cutting tool instance (die station) relative to the sheet. |       |            |

attribute **DieCutterToolItemInstance/@X**

|            |                                                                                                                              |
|------------|------------------------------------------------------------------------------------------------------------------------------|
| type       | <a href="#">LinearDimensionType</a>                                                                                          |
| properties | use required                                                                                                                 |
| annotation | documentation<br>The position of the die-cutting tool instance (die station) relative to the die-cutting tool on the X axis. |

attribute **DieCutterToolItemInstance/@Y**

|            |                                                                                                                              |
|------------|------------------------------------------------------------------------------------------------------------------------------|
| type       | <a href="#">LinearDimensionType</a>                                                                                          |
| properties | use required                                                                                                                 |
| annotation | documentation<br>The position of the die-cutting tool instance (die station) relative to the die-cutting tool on the Y axis. |

element **DieCutterToolItemInstancePool**

|            |                                           |
|------------|-------------------------------------------|
| properties | content complex                           |
| children   | <a href="#">DieCutterToolItemInstance</a> |
| used by    | element <a href="#">DieCutterToolItem</a> |

element **DieCutterToolItemPool**

|            |                                   |
|------------|-----------------------------------|
| properties | content complex                   |
| children   | <a href="#">DieCutterToolItem</a> |

|         |                                                     |
|---------|-----------------------------------------------------|
| used by | complexType <a href="#">DieCutterToolDefinition</a> |
|---------|-----------------------------------------------------|

## element **DieCutterToolRef**

|            |                                     |                                      |          |         |       |                                                                                          |
|------------|-------------------------------------|--------------------------------------|----------|---------|-------|------------------------------------------------------------------------------------------|
| properties | content                             | complex                              |          |         |       |                                                                                          |
| used by    | element                             | <a href="#">DieCutterToolRefPool</a> |          |         |       |                                                                                          |
| attributes | Name                                | Type                                 | Use      | Default | Fixed | Annotation                                                                               |
|            | <a href="#">rRef</a>                | <a href="#">RefIDType</a>            | required |         |       |                                                                                          |
|            | <a href="#">PrintStreams</a>        | <b>xs:nonNegativeInteger</b>         |          |         |       | documentation<br>Must be no greater than the PrintStreams specified in the DieCutterTool |
|            | <a href="#">PrintDown</a>           | <b>xs:nonNegativeInteger</b>         |          |         |       | documentation<br>Must be no greater than the Number Down specified in the DieCutterTool  |
|            | <a href="#">SingleItemPerColumn</a> | <b>xs:boolean</b>                    |          |         |       |                                                                                          |

## attribute **DieCutterToolRef/@rRef**

|            |                           |          |            |
|------------|---------------------------|----------|------------|
| type       | <a href="#">RefIDType</a> |          |            |
| properties | use                       | required |            |
| facets     | Kind                      | Value    | Annotation |
|            | minLength                 | 0        |            |
|            | maxLength                 | 250      |            |

## attribute **DieCutterToolRef/@PrintStreams**

|            |                                                                                          |
|------------|------------------------------------------------------------------------------------------|
| type       | <b>xs:nonNegativeInteger</b>                                                             |
| annotation | documentation<br>Must be no greater than the PrintStreams specified in the DieCutterTool |

## attribute **DieCutterToolRef/@PrintDown**

|            |                                                                                         |
|------------|-----------------------------------------------------------------------------------------|
| type       | <b>xs:nonNegativeInteger</b>                                                            |
| annotation | documentation<br>Must be no greater than the Number Down specified in the DieCutterTool |

## attribute **DieCutterToolRef/@SingleItemPerColumn**

|      |                   |
|------|-------------------|
| type | <b>xs:boolean</b> |
|------|-------------------|

## element **DieCutterToolRefPool**

|            |                                  |         |
|------------|----------------------------------|---------|
| properties | content                          | complex |
| children   | <a href="#">DieCutterToolRef</a> |         |

|         |                                       |
|---------|---------------------------------------|
| used by | element <a href="#">AutoPlanHints</a> |
|---------|---------------------------------------|

element **DigitalCuttingMachine**

|                   |                                                                                                                                                                                                                                                                |
|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| type alternatives | <div>Test</div> <div>count(attribute::* eq '2'</div> <div>count(attribute::* gt '2'</div> <div>XPathDefaultNs</div> <div>Type</div> <div><a href="#">PlantReference</a></div> <div><a href="#">DigitalCuttingMachineDefinition</a></div> <div>Annotation</div> |
| used by           | element <a href="#">ResourcePool</a>                                                                                                                                                                                                                           |

element **DigitalCuttingMachineRef**

|            |                                                                                                                                                                                                   |
|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| properties | content complex                                                                                                                                                                                   |
| used by    | <div>elements</div> <div><a href="#">AutoPlanProductionMethod</a> <a href="#">DigitalCuttingMachineRefPool</a></div> <div>complexType</div> <div><a href="#">LayoutDefinition</a></div>           |
| attributes | <div>Name</div> <div><a href="#">rRef</a></div> <div>Type</div> <div><a href="#">RefIDType</a></div> <div>Use</div> <div>required</div> <div>Default</div> <div>Fixed</div> <div>Annotation</div> |

attribute **DigitalCuttingMachineRef/@rRef**

|            |                                                                                                                              |
|------------|------------------------------------------------------------------------------------------------------------------------------|
| type       | <a href="#">RefIDType</a>                                                                                                    |
| properties | use required                                                                                                                 |
| facets     | <div>Kind</div> <div>Value</div> <div>Annotation</div> <div>minLength</div> <div>0</div> <div>maxLength</div> <div>250</div> |

element **DigitalCuttingMachineRefPool**

|            |                                          |
|------------|------------------------------------------|
| properties | content complex                          |
| children   | <a href="#">DigitalCuttingMachineRef</a> |

element **DigitalCuttingTool**

|            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| properties | content complex                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| used by    | complexType <a href="#">DigitalCuttingMachineDefinition</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| attributes | <div> <div>Name</div> <div><a href="#">Name</a></div> <div>Type</div> <div><a href="#">TextType</a> <a href="#">Max</a></div> <div>Use</div> <div>Default</div> <div>Fixed</div> <div>Annotation</div> <div>documentation</div> <div>A user-definable name for the Digital Cutting Tool. If not supplied, defaults to an empty string. Up to 250 characters.</div> <div>documentation</div> <div>A user-definable description for the Digital Cutting Tool. If not supplied, defaults to an empty string. Up to 250</div> </div> <div> <div><a href="#">Description</a></div> <div><a href="#">TextType</a> <a href="#">Max</a></div> </div> |

|  |                                                              |                                                                                                                                                                                      |
|--|--------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | <a href="#">CutterOperation</a> <a href="#">TextType Max</a> | characters.<br>documentation<br>A user-definable operation for the Cutting Tool (e.g., Cutting, Creasing, etc.). If not supplied, defaults to an empty string. Up to 250 characters. |
|--|--------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

#### attribute **DigitalCuttingTool/@Name**

|            |                                                                                                                                          |       |            |
|------------|------------------------------------------------------------------------------------------------------------------------------------------|-------|------------|
| type       | <a href="#">TextType Max</a>                                                                                                             |       |            |
| facets     | Kind                                                                                                                                     | Value | Annotation |
|            | minLength                                                                                                                                | 0     |            |
|            | maxLength                                                                                                                                | 250   |            |
| annotation | documentation<br>A user-definable name for the Digital Cutting Tool. If not supplied, defaults to an empty string. Up to 250 characters. |       |            |

#### attribute **DigitalCuttingTool/@Description**

|            |                                                                                                                                                 |       |            |
|------------|-------------------------------------------------------------------------------------------------------------------------------------------------|-------|------------|
| type       | <a href="#">TextType Max</a>                                                                                                                    |       |            |
| facets     | Kind                                                                                                                                            | Value | Annotation |
|            | minLength                                                                                                                                       | 0     |            |
|            | maxLength                                                                                                                                       | 250   |            |
| annotation | documentation<br>A user-definable description for the Digital Cutting Tool. If not supplied, defaults to an empty string. Up to 250 characters. |       |            |

#### attribute **DigitalCuttingTool/@CutterOperation**

|            |                                                                                                                                                                       |       |            |
|------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------------|
| type       | <a href="#">TextType Max</a>                                                                                                                                          |       |            |
| facets     | Kind                                                                                                                                                                  | Value | Annotation |
|            | minLength                                                                                                                                                             | 0     |            |
|            | maxLength                                                                                                                                                             | 250   |            |
| annotation | documentation<br>A user-definable operation for the Cutting Tool (e.g., Cutting, Creasing, etc.). If not supplied, defaults to an empty string. Up to 250 characters. |       |            |

#### element **DisplayColor**

|            |                                                                                                                    |                         |
|------------|--------------------------------------------------------------------------------------------------------------------|-------------------------|
| properties | content                                                                                                            | complex                 |
| children   | <a href="#">RGBColorRef</a>                                                                                        |                         |
| used by    | element                                                                                                            | <a href="#">Product</a> |
| annotation | documentation<br>The element containing the color the product is to be displayed within the Metrix user-interface. |                         |

#### element **ExportBarcodedImposedPDF**

|            |                                                                                                                                                                                                                 |         |
|------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|
| properties | content                                                                                                                                                                                                         | complex |
| children   | <a href="#">SelectedLayoutsRef</a> <a href="#">TrimMarksRef</a> <a href="#">ExternalFoldMarksRef</a> <a href="#">InternalFoldMarksRef</a> <a href="#">ProofingLinesRef</a> <a href="#">BarcodePropertiesRef</a> |         |

|                |                                      |                                                    |          |                          |       |                                                                                                                                                                                                                                                                                              |
|----------------|--------------------------------------|----------------------------------------------------|----------|--------------------------|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| used by        | element <a href="#">Run</a>          |                                                    |          |                          |       |                                                                                                                                                                                                                                                                                              |
| attribute<br>s | Name                                 | Type                                               | Use      | Default                  | Fixed | Annotation                                                                                                                                                                                                                                                                                   |
|                | <a href="#">Name</a>                 | <a href="#">TextType Max</a>                       |          | ExportBarcodedImposedPDF |       | documentation<br>A user-definable name for the Command Event. If not supplied, defaults to "ExportBarcodedImposedPDF". Up to 250 characters.                                                                                                                                                 |
|                | <a href="#">ExportToZipFile</a>      | xs:boolean                                         |          | false                    |       | documentation<br>If supplied and True, the DestinationFolder is ignored and the exported file(s) are included in the zip file exported by the next ExportZipFile command encountered.                                                                                                        |
|                | <a href="#">DestinationFolder</a>    | <a href="#">TextType Max</a>                       |          |                          |       | documentation<br>The destination for the exported file. Required unless ExportToZipFile = True.                                                                                                                                                                                              |
|                | <a href="#">FilenameFormat</a>       | <a href="#">TextType Max</a>                       |          | &lt;PROJECT.ID&gt;       |       | documentation<br>Default may be set by preference exportAny.ExportFilenameFormat                                                                                                                                                                                                             |
|                | <a href="#">isSelected</a>           | xs:boolean                                         |          | true                     |       |                                                                                                                                                                                                                                                                                              |
|                | <a href="#">ExportAs</a>             | <a href="#">PDFImpositionOutputFormatType</a>      |          | OneFile                  |       | documentation<br>The PDF file(s) to create.                                                                                                                                                                                                                                                  |
|                | <a href="#">ImposeTo</a>             | <a href="#">AnchorObjectType</a>                   | required |                          |       | documentation<br>The object to impose to.                                                                                                                                                                                                                                                    |
|                | <a href="#">ExportNegativeBleeds</a> | xs:boolean                                         |          | false                    |       | documentation<br>Whether any negative bleed area specified in Metrix should be cropped to zero or honored when exported.                                                                                                                                                                     |
|                | <a href="#">ForceQuantityOne</a>     | xs:boolean                                         |          | false                    |       | documentation<br>Fiery only.                                                                                                                                                                                                                                                                 |
| facets         | <a href="#">IncludeContent</a>       | xs:boolean                                         |          | true                     |       | documentation<br>Whether to image any content files when exporting.                                                                                                                                                                                                                          |
|                | <a href="#">PdfSheetBleed</a>        | derived by:<br><a href="#">LinearDimensionType</a> |          | 0                        |       | documentation<br>Specify a PDF Sheet Bleed margin when exporting Imposed PDF, Barcoded Imposed PDF, and JDF. This setting adds the specified margin to the mediabox all around the sheet and sets the trimbox to the exact sheet size and ensures marks can bleed off the edge of the sheet. |

#### attribute **ExportBarcodedImposedPDF/@Name**

|            |                              |                          |            |
|------------|------------------------------|--------------------------|------------|
| type       | <a href="#">TextType Max</a> |                          |            |
| properties | default                      | ExportBarcodedImposedPDF |            |
| facets     | Kind                         | Value                    | Annotation |
|            | minLength                    | 0                        |            |
|            | maxLength                    | 250                      |            |

|            |                                                                                                                                              |
|------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| annotation | documentation<br>A user-definable name for the Command Event. If not supplied, defaults to "ExportBarcodedImposedPDF". Up to 250 characters. |
|------------|----------------------------------------------------------------------------------------------------------------------------------------------|

## element **ExportCIP3Cutting**

|            |                                   |                                      |     |                              |       |                                                                                                                                                                                       |
|------------|-----------------------------------|--------------------------------------|-----|------------------------------|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| properties | content                           | complex                              |     |                              |       |                                                                                                                                                                                       |
| used by    | element                           | <a href="#">Run</a>                  |     |                              |       |                                                                                                                                                                                       |
| attributes | Name<br><a href="#">Name</a>      | Type<br><a href="#">TextType Max</a> | Use | Default<br>ExportCIP3Cutting | Fixed | Annotation<br>documentation<br>A user-definable name for the Command Event. If not supplied, defaults to "ExportCIP3Cutting". Up to 250 characters.                                   |
|            | <a href="#">ExportToZipFile</a>   | <b>xs:boolean</b>                    |     | false                        |       | documentation<br>If supplied and True, the DestinationFolder is ignored and the exported file(s) are included in the zip file exported by the next ExportZipFile command encountered. |
|            | <a href="#">DestinationFolder</a> | <a href="#">TextType Max</a>         |     |                              |       | documentation<br>The destination for the exported file. Required unless ExportToZipFile = True.                                                                                       |
|            | <a href="#">FilenameFormat</a>    | <a href="#">TextType Max</a>         |     | &lt;PROJECT.ID&gt;           |       | documentation<br>Default may be set by preference exportAny.ExportFilenameFormat                                                                                                      |
|            | <a href="#">isSelected</a>        | <b>xs:boolean</b>                    |     | true                         |       |                                                                                                                                                                                       |

## attribute **ExportCIP3Cutting/@Name**

|            |                                                                                                                                       |                   |            |
|------------|---------------------------------------------------------------------------------------------------------------------------------------|-------------------|------------|
| type       | <a href="#">TextType Max</a>                                                                                                          |                   |            |
| properties | default                                                                                                                               | ExportCIP3Cutting |            |
| facets     | Kind                                                                                                                                  | Value             | Annotation |
|            | minLength                                                                                                                             | 0                 |            |
|            | maxLength                                                                                                                             | 250               |            |
| annotation | documentation<br>A user-definable name for the Command Event. If not supplied, defaults to "ExportCIP3Cutting". Up to 250 characters. |                   |            |

## element **ExportCIP3Folding**

|            |                                 |                                      |     |                              |       |                                                                                                                                                                                                    |
|------------|---------------------------------|--------------------------------------|-----|------------------------------|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| properties | content                         | complex                              |     |                              |       |                                                                                                                                                                                                    |
| used by    | element                         | <a href="#">Run</a>                  |     |                              |       |                                                                                                                                                                                                    |
| attributes | Name<br><a href="#">Name</a>    | Type<br><a href="#">TextType Max</a> | Use | Default<br>ExportCIP3Folding | Fixed | Annotation<br>documentation<br>If supplied and True, the DestinationFolder is ignored and the exported file/s are included in the zip file exported by the next ExportZipFile command encountered. |
|            | <a href="#">ExportToZipFile</a> | <b>xs:boolean</b>                    |     | false                        |       | documentation<br>If supplied and True, the DestinationFolder is ignored and the exported file(s) are included in the zip file exported by the next ExportZipFile command encountered.              |

|  |                                                                |                    |                                                                                                 |
|--|----------------------------------------------------------------|--------------------|-------------------------------------------------------------------------------------------------|
|  | <a href="#">DestinationFolder</a> <a href="#">TextType Max</a> |                    | documentation<br>The destination for the exported file. Required unless ExportToZipFile = True. |
|  | <a href="#">FilenameFormat</a> <a href="#">TextType Max</a>    | &lt;PROJECT.ID&gt; | documentation<br>Default may be set by preference exportAny.ExportFilenameFormat                |
|  | <a href="#">isSelected</a> <b>xs:boolean</b>                   | true               |                                                                                                 |

#### attribute **ExportCIP3Folding/@Name**

|            |                                                                                                                                                                                      |                   |            |
|------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|------------|
| type       | <a href="#">TextType Max</a>                                                                                                                                                         |                   |            |
| properties | default                                                                                                                                                                              | ExportCIP3Folding |            |
| facets     | Kind                                                                                                                                                                                 | Value             | Annotation |
|            | minLength                                                                                                                                                                            | 0                 |            |
|            | maxLength                                                                                                                                                                            | 250               |            |
| annotation | documentation<br>If supplied and True, the DestinationFolder is ignored and the exported file/s are included in the zip file exported by the next ExportZipFile command encountered. |                   |            |

#### element **ExportCompleteJDFImposition**

|            |                                                                                                                                         |                                      |          |                             |       |                                                                                                                                                                                                       |
|------------|-----------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|----------|-----------------------------|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| properties | content complex                                                                                                                         |                                      |          |                             |       |                                                                                                                                                                                                       |
| children   | <a href="#">TrimMarksRef</a> <a href="#">ExternalFoldMarksRef</a> <a href="#">InternalFoldMarksRef</a> <a href="#">ProofingLinesRef</a> |                                      |          |                             |       |                                                                                                                                                                                                       |
| used by    | element <a href="#">Run</a>                                                                                                             |                                      |          |                             |       |                                                                                                                                                                                                       |
| attributes | Name                                                                                                                                    | Type                                 | Use      | Default                     | Fixed | Annotation                                                                                                                                                                                            |
|            | <a href="#">Name</a>                                                                                                                    | <a href="#">TextType Max</a>         |          | ExportCompleteJDFImposition |       | <a href="#">documentation</a><br>A user-definable name for the Command Event. If not supplied, defaults to "ExportCompleteJDFImposition". Up to 250 characters.                                       |
|            | <a href="#">DataToInclude</a>                                                                                                           | <a href="#">JDFDataToIncludeType</a> | required |                             |       |                                                                                                                                                                                                       |
|            | <a href="#">ExportToZipFile</a>                                                                                                         | <a href="#">xs:boolean</a>           |          | false                       |       | <a href="#">documentation</a><br>If supplied and True, the DestinationFolder is ignored and the exported file(s) are included in the zip file exported by the next ExportZipFile command encountered. |
|            | <a href="#">DestinationFolder</a>                                                                                                       | <a href="#">TextType Max</a>         |          |                             |       | <a href="#">documentation</a><br>The destination for the exported file. Required unless ExportToZipFile = True.                                                                                       |
|            | <a href="#">FilenameFormat</a>                                                                                                          | <a href="#">TextType Max</a>         |          | &lt;PROJECT.ID&gt;          |       | <a href="#">documentation</a><br>Default may be set by preference exportAny.ExportFilenameFormat                                                                                                      |
|            | <a href="#">isSelected</a>                                                                                                              | <a href="#">xs:boolean</a>           |          | true                        |       |                                                                                                                                                                                                       |
|            | <a href="#">ContentDestinationFolder</a>                                                                                                | <a href="#">TextType Max</a>         | required |                             |       | <a href="#">documentation</a><br>Often a sub-folder of the JDF Destination Folder, this is the destination for the PDF marks flat. This is also the destination for PDF content                       |

|  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | <p><a href="#">ContentSourcePath</a>      <a href="#">TextType Max</a>      require d</p> <p><a href="#">ImposeTo</a>      <a href="#">AnchorImposeType</a>      require d</p> <p><a href="#">CopyContentFiles</a>      <b>xs:boolean</b>      true</p> <p><a href="#">EmbedFileMarks</a>      <b>xs:boolean</b>      true</p> <p><a href="#">ExportNegativeBleeds</a>      <b>xs:boolean</b>      false</p> <p><a href="#">PdfSheetBleed</a>      <b>derived by:</b><br/><a href="#">LinearDimensionType</a>      0</p> | <p>files when<br/>CopyContentFiles=True and<br/>when the content has been<br/>assigned within Metrix<br/>(populated JDF).<br/>documentation<br/>The destination for the PDF<br/>marks flat, and content files if<br/>CopyContentFiles=True,<br/>relative to the JDF Destination<br/>Folder.<br/>documentation<br/>The area to impose to.</p> <p>documentation<br/>When True, Metrix will copy<br/>any assigned content files to<br/>the ContentDestinationFolder.<br/>When False, no assigned<br/>content will be copied.<br/>documentation<br/>When True, Metrix will embed<br/>file marks in the PDF marks<br/>flat.<br/>documentation<br/>When True, any Negative<br/>Bleed area specified in Metrix<br/>will be cropped.<br/>documentation<br/>Specify a PDF Sheet Bleed<br/>margin when exporting<br/>Imposed PDF, Barcoded<br/>Imposed PDF, and JDF. This<br/>setting adds the specified<br/>margin to the mediabox all<br/>around the sheet and sets the<br/>trimbox to the exact sheet size<br/>and ensures marks can bleed<br/>off the edge of the sheet.</p> |
|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

#### attribute **ExportCompleteJDFImposition/@Name**

|            |                                                                                                                                                 |                             |            |
|------------|-------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|------------|
| type       | <a href="#">TextType Max</a>                                                                                                                    |                             |            |
| properties | default                                                                                                                                         | ExportCompleteJDFImposition |            |
| facets     | Kind                                                                                                                                            | Value                       | Annotation |
|            | minLength                                                                                                                                       | 0                           |            |
|            | maxLength                                                                                                                                       | 250                         |            |
| annotation | documentation<br>A user-definable name for the Command Event. If not supplied, defaults to "ExportCompleteJDFImposition". Up to 250 characters. |                             |            |

#### attribute **ExportCompleteJDFImposition/@DataToInclude**

|            |                                      |                            |            |
|------------|--------------------------------------|----------------------------|------------|
| type       | <a href="#">JDFDataToIncludeType</a> |                            |            |
| properties | use                                  | required                   |            |
| facets     | Kind                                 | Value                      | Annotation |
|            | enumeration                          | BothLayoutAndStrippingData |            |
|            | enumeration                          | LayoutDataOnly             |            |
|            | enumeration                          | StrippingDataOnly          |            |

## element **ExportlCut**

|            |                                   |                                          |     |                       |       |                                                                                                                                                                                       |
|------------|-----------------------------------|------------------------------------------|-----|-----------------------|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| properties | content    complex                |                                          |     |                       |       |                                                                                                                                                                                       |
| used by    | element <a href="#">Run</a>       |                                          |     |                       |       |                                                                                                                                                                                       |
| attributes | Name<br><a href="#">Name</a>      | Type<br><a href="#">TextType Max</a>     | Use | Default<br>ExportlCut | Fixed | Annotation<br>documentation<br>A user-definable name for the Command Event. If not supplied, defaults to "ExportlCut". Up to 250 characters.                                          |
|            | <a href="#">ExportToZipFile</a>   | xs:boolean                               |     | false                 |       | documentation<br>If supplied and True, the DestinationFolder is ignored and the exported file(s) are included in the zip file exported by the next ExportZipFile command encountered. |
|            | <a href="#">DestinationFolder</a> | <a href="#">TextType Max</a>             |     |                       |       | documentation<br>The destination for the exported file. Required unless ExportToZipFile = True.                                                                                       |
|            | <a href="#">FilenameFormat</a>    | <a href="#">TextType Max</a>             |     | &lt;PROJECT.ID&gt;    |       | documentation<br>Default may be set by preference exportAny.ExportFilenameFormat                                                                                                      |
|            | <a href="#">isSelected</a>        | xs:boolean                               |     | true                  |       |                                                                                                                                                                                       |
|            | <a href="#">ExportAs</a>          | <a href="#">EskolCutOutputFormatType</a> |     | OneFile               |       | documentation<br>The cutting file to create.                                                                                                                                          |
|            |                                   |                                          |     |                       |       |                                                                                                                                                                                       |

## attribute **ExportlCut/@Name**

|            |                                                                                                                                |            |            |
|------------|--------------------------------------------------------------------------------------------------------------------------------|------------|------------|
| type       | <a href="#">TextType Max</a>                                                                                                   |            |            |
| properties | default                                                                                                                        | ExportlCut |            |
| facets     | Kind                                                                                                                           | Value      | Annotation |
|            | minLength                                                                                                                      | 0          |            |
|            | maxLength                                                                                                                      | 250        |            |
| annotation | documentation<br>A user-definable name for the Command Event. If not supplied, defaults to "ExportlCut". Up to 250 characters. |            |            |

## attribute **ExportlCut/@ExportAs**

|            |                                              |                           |            |
|------------|----------------------------------------------|---------------------------|------------|
| type       | <a href="#">EskolCutOutputFormatType</a>     |                           |            |
| properties | default                                      | OneFile                   |            |
| facets     | Kind                                         | Value                     | Annotation |
|            | enumeration                                  | OneFile                   |            |
|            | enumeration                                  | SeparateFileForEachLayout |            |
| annotation | documentation<br>The cutting file to create. |                           |            |

## element **ExportImposedPDF**

|            |                                                                                                                                                                            |         |
|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|
| properties | content                                                                                                                                                                    | complex |
| children   | <a href="#">SelectedLayoutsRef</a> <a href="#">TrimMarksRef</a> <a href="#">ExternalFoldMarksRef</a> <a href="#">InternalFoldMarksRef</a> <a href="#">ProofingLinesRef</a> |         |

|            |                                      |                                                    |          |                    |       |                                                                                                                                                                                                                                                                                              |
|------------|--------------------------------------|----------------------------------------------------|----------|--------------------|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| used by    | element <a href="#">Run</a>          |                                                    |          |                    |       |                                                                                                                                                                                                                                                                                              |
| attributes | Name                                 | Type                                               | Use      | Default            | Fixed | Annotation                                                                                                                                                                                                                                                                                   |
|            | <a href="#">Name</a>                 | <a href="#">TextType Max</a>                       |          | ExportImposedPDF   |       | documentation<br>A user-definable name for the Command Event. If not supplied, defaults to "ExportImposedPDF". Up to 250 characters.                                                                                                                                                         |
|            | <a href="#">sepMarksPages</a>        | xs:boolean                                         |          | false              |       |                                                                                                                                                                                                                                                                                              |
|            | <a href="#">ExportToZipFile</a>      | xs:boolean                                         |          | false              |       | documentation<br>If supplied and True, the DestinationFolder is ignored and the exported file(s) are included in the zip file exported by the next ExportZipFile command encountered.                                                                                                        |
|            | <a href="#">DestinationFolder</a>    | <a href="#">TextType Max</a>                       |          |                    |       | documentation<br>The destination for the exported file. Required unless ExportToZipFile = True.                                                                                                                                                                                              |
|            | <a href="#">FilenameFormat</a>       | <a href="#">TextType Max</a>                       |          | &lt;PROJECT.ID&gt; |       | documentation<br>Default may be set by preference exportAny.ExportFilenameFormat                                                                                                                                                                                                             |
|            | <a href="#">isSelected</a>           | xs:boolean                                         |          | true               |       |                                                                                                                                                                                                                                                                                              |
|            | <a href="#">ExportAs</a>             | <a href="#">PDFImpositionOutputFormatType</a>      |          | OneFile            |       | documentation<br>The PDF file(s) to create.                                                                                                                                                                                                                                                  |
|            | <a href="#">ImposeTo</a>             | <a href="#">AnchorObjectType</a>                   | required |                    |       | documentation<br>The object to impose to.                                                                                                                                                                                                                                                    |
|            | <a href="#">ExportNegativeBleeds</a> | xs:boolean                                         |          | false              |       | documentation<br>Whether any negative bleed area specified in Metrix should be cropped to zero or honored when exported.                                                                                                                                                                     |
|            | <a href="#">ForceQuantityOne</a>     | xs:boolean                                         |          | false              |       | documentation<br>Fiery only.                                                                                                                                                                                                                                                                 |
|            | <a href="#">IncludeContent</a>       | xs:boolean                                         |          | true               |       | documentation<br>Whether to image any content files when exporting.                                                                                                                                                                                                                          |
|            | <a href="#">PdfSheetBleed</a>        | derived by:<br><a href="#">LinearDimensionType</a> |          | 0                  |       | documentation<br>Specify a PDF Sheet Bleed margin when exporting Imposed PDF, Barcoded Imposed PDF, and JDF. This setting adds the specified margin to the mediabox all around the sheet and sets the trimbox to the exact sheet size and ensures marks can bleed off the edge of the sheet. |

#### attribute **ExportImposedPDF/@Name**

|            |                              |                  |            |
|------------|------------------------------|------------------|------------|
| type       | <a href="#">TextType Max</a> |                  |            |
| properties | default                      | ExportImposedPDF |            |
| facets     | Kind                         | Value            | Annotation |
|            | minLength                    | 0                |            |
|            | maxLength                    | 250              |            |

|            |                                                                                                                                      |
|------------|--------------------------------------------------------------------------------------------------------------------------------------|
| annotation | documentation<br>A user-definable name for the Command Event. If not supplied, defaults to "ExportImposedPDF". Up to 250 characters. |
|------------|--------------------------------------------------------------------------------------------------------------------------------------|

#### attribute **ExportImposedPDF/@sepMarksPages**

|            |                   |
|------------|-------------------|
| type       | <b>xs:boolean</b> |
| properties | default false     |

#### element **ExportJDFBinding**

|            |                                   |                                     |     |                    |       |                                                                                                                                                                                                       |
|------------|-----------------------------------|-------------------------------------|-----|--------------------|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| properties | content complex                   |                                     |     |                    |       |                                                                                                                                                                                                       |
| used by    | element <a href="#">Run</a>       |                                     |     |                    |       |                                                                                                                                                                                                       |
| attributes | Name                              | Type                                | Use | Default            | Fixed | Annotation                                                                                                                                                                                            |
|            | <a href="#">Name</a>              | <a href="#">TextType</a> <b>Max</b> |     | ExportJDFBinding   |       | <a href="#">documentation</a><br>A user-definable name for the Command Event. If not supplied, defaults to "ExportJDFBinding". Up to 250 characters.                                                  |
|            | <a href="#">ExportToZipFile</a>   | <b>xs:boolean</b>                   |     | false              |       | <a href="#">documentation</a><br>If supplied and True, the DestinationFolder is ignored and the exported file(s) are included in the zip file exported by the next ExportZipFile command encountered. |
|            | <a href="#">DestinationFolder</a> | <a href="#">TextType</a> <b>Max</b> |     |                    |       | <a href="#">documentation</a><br>The destination for the exported file. Required unless ExportToZipFile = True.                                                                                       |
|            | <a href="#">FilenameFormat</a>    | <a href="#">TextType</a> <b>Max</b> |     | &lt;PROJECT.ID&gt; |       | <a href="#">documentation</a><br>Default may be set by preference exportAny.ExportFilenameFormat                                                                                                      |
|            | <a href="#">isSelected</a>        | <b>xs:boolean</b>                   |     | true               |       |                                                                                                                                                                                                       |

#### attribute **ExportJDFBinding/@Name**

|            |                                                                                                                                      |                  |            |
|------------|--------------------------------------------------------------------------------------------------------------------------------------|------------------|------------|
| type       | <a href="#">TextType</a> <b>Max</b>                                                                                                  |                  |            |
| properties | default                                                                                                                              | ExportJDFBinding |            |
| facets     | Kind                                                                                                                                 | Value            | Annotation |
|            | minLength                                                                                                                            | 0                |            |
|            | maxLength                                                                                                                            | 250              |            |
| annotation | documentation<br>A user-definable name for the Command Event. If not supplied, defaults to "ExportJDFBinding". Up to 250 characters. |                  |            |

#### element **ExportJDFCutting**

|            |                                 |                                             |     |                             |       |                                                                                                                                                    |
|------------|---------------------------------|---------------------------------------------|-----|-----------------------------|-------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| properties | content complex                 |                                             |     |                             |       |                                                                                                                                                    |
| used by    | element <a href="#">Run</a>     |                                             |     |                             |       |                                                                                                                                                    |
| attributes | Name<br><a href="#">Name</a>    | Type<br><a href="#">TextType</a> <b>Max</b> | Use | Default<br>ExportJDFCutting | Fixed | Annotation<br>documentation<br>A user-definable name for the Command Event. If not supplied, defaults to "ExportJDFCutting". Up to 250 characters. |
|            | <a href="#">ExportToZipFile</a> | <b>xs:boolean</b>                           |     | false                       |       | documentation<br>If supplied and True, the                                                                                                         |

|  |                                                                                                                                                                                                                                                                                              |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                      |
|--|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | <a href="#">DestinationFolder</a> <a href="#">TextType Max</a><br><br><a href="#">FilenameFormat</a> <a href="#">TextType Max</a> &lt;PROJECT.ID&gt;<br><br><a href="#">isSelected</a> <b>xs:boolean</b> true<br><a href="#">ExportAs</a> <a href="#">JDFCuttingOutputFormatType</a> OneFile |  |  |  | DestinationFolder is ignored and the exported file(s) are included in the zip file exported by the next ExportZipFile command encountered.<br>documentation<br>The destination for the exported file. Required unless ExportToZipFile = True.<br>documentation<br>Default may be set by preference exportAny.ExportFilenameFormat<br><br>documentation<br>The JDF file(s) to create. |
|--|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

#### attribute **ExportJDFCutting/@Name**

|                                            |                                                                                                                                      |                  |            |  |
|--------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|------------------|------------|--|
| Attribute: <b>ExportJDFCutting</b> , @Name |                                                                                                                                      |                  |            |  |
| type                                       | <a href="#">TextType Max</a>                                                                                                         |                  |            |  |
| properties                                 | default                                                                                                                              | ExportJDFCutting |            |  |
| facets                                     | Kind                                                                                                                                 | Value            | Annotation |  |
|                                            | minLength                                                                                                                            | 0                |            |  |
|                                            | maxLength                                                                                                                            | 250              |            |  |
| annotation                                 | documentation<br>A user-definable name for the Command Event. If not supplied, defaults to "ExportJDFCutting". Up to 250 characters. |                  |            |  |

#### attribute **ExportJDFCutting/@ExportAs**

|            |                                             |                           |            |
|------------|---------------------------------------------|---------------------------|------------|
| type       | <a href="#">JDFCuttingOutputFormatType</a>  |                           |            |
| properties | default                                     | OneFile                   |            |
| facets     | Kind                                        | Value                     | Annotation |
|            | enumeration                                 | OneFile                   |            |
|            | enumeration                                 | SeparateFileForEachLayout |            |
| annotation | documentation<br>The JDF file(s) to create. |                           |            |

#### element **ExportJDFFolding**

| properties | content                           | complex                      |     |                    |       |                                                                                                                                                                                       |
|------------|-----------------------------------|------------------------------|-----|--------------------|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| used by    | element                           | <a href="#">Run</a>          |     |                    |       |                                                                                                                                                                                       |
| attributes | Name                              | Type                         | Use | Default            | Fixed | Annotation                                                                                                                                                                            |
|            | <a href="#">Name</a>              | <a href="#">TextType Max</a> |     | ExportJDFFolding   |       | documentation<br>A user-definable name for the Command Event. If not supplied, defaults to "ExportJDFFolding". Up to 250 characters.                                                  |
|            | <a href="#">ExportToZipFile</a>   | xs:boolean                   |     | false              |       | documentation<br>If supplied and True, the DestinationFolder is ignored and the exported file(s) are included in the zip file exported by the next ExportZipFile command encountered. |
|            | <a href="#">DestinationFolder</a> | <a href="#">TextType Max</a> |     |                    |       | documentation<br>The destination for the exported file. Required unless ExportToZipFile = True.                                                                                       |
|            | <a href="#">FilenameFormat</a>    | <a href="#">TextType Max</a> |     | &lt;PROJECT.ID&gt; |       | documentation                                                                                                                                                                         |

|  |                                                                    |                   |      |
|--|--------------------------------------------------------------------|-------------------|------|
|  | Default may be set by preference<br>exportAny.ExportFilenameFormat |                   |      |
|  | <a href="#">isSelected</a>                                         | <b>xs:boolean</b> | true |

#### attribute **ExportJDFFolding/@Name**

|            |                                                                                                                                      |                  |            |
|------------|--------------------------------------------------------------------------------------------------------------------------------------|------------------|------------|
| type       | <a href="#">TextType Max</a>                                                                                                         |                  |            |
| properties | default                                                                                                                              | ExportJDFFolding |            |
| facets     | Kind                                                                                                                                 | Value            | Annotation |
|            | minLength                                                                                                                            | 0                |            |
|            | maxLength                                                                                                                            | 250              |            |
| annotation | documentation<br>A user-definable name for the Command Event. If not supplied, defaults to "ExportJDFFolding". Up to 250 characters. |                  |            |

#### element **ExportJDFImposition**

|            |                                                                                                                                                                                                         |                                  |          |                     |       |                                                                                                                                                                                                                                                                        |
|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|----------|---------------------|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| properties | content complex                                                                                                                                                                                         |                                  |          |                     |       |                                                                                                                                                                                                                                                                        |
| children   | <a href="#">ColorMapRule</a> <a href="#">SelectedLayoutsRef</a> <a href="#">TrimMarksRef</a> <a href="#">ExternalFoldMarksRef</a> <a href="#">InternalFoldMarksRef</a> <a href="#">ProofingLinesRef</a> |                                  |          |                     |       |                                                                                                                                                                                                                                                                        |
| used by    | element <a href="#">Run</a>                                                                                                                                                                             |                                  |          |                     |       |                                                                                                                                                                                                                                                                        |
| attributes | Name                                                                                                                                                                                                    | Type                             | Use      | Default             | Fixed | Annotation                                                                                                                                                                                                                                                             |
|            | <a href="#">Name</a>                                                                                                                                                                                    | <a href="#">TextType Max</a>     |          | ExportJDFImposition |       | documentation<br>A user-definable name for the Command Event. If not supplied, defaults to "ExportJDFImposition". Up to 250 characters.                                                                                                                                |
|            | <a href="#">ExportToZipFile</a>                                                                                                                                                                         | <b>xs:boolean</b>                |          | false               |       | documentation<br>If supplied and True, the DestinationFolder is ignored and the exported file(s) are included in the zip file exported by the next ExportZipFile command encountered.                                                                                  |
|            | <a href="#">DestinationFolder</a>                                                                                                                                                                       | <a href="#">TextType Max</a>     |          |                     |       | documentation<br>The destination for the exported file. Required unless ExportToZipFile = True.                                                                                                                                                                        |
|            | <a href="#">FilenameFormat</a>                                                                                                                                                                          | <a href="#">TextType Max</a>     |          | &lt;PROJECT.ID&gt;  |       | documentation<br>Default may be set by preference exportAny.ExportFilenameFormat                                                                                                                                                                                       |
|            | <a href="#">isSelected</a>                                                                                                                                                                              | <b>xs:boolean</b>                |          | true                |       |                                                                                                                                                                                                                                                                        |
|            | <a href="#">ContentDestinationFolder</a>                                                                                                                                                                | <a href="#">TextType Max</a>     | required |                     |       | documentation<br>Often a sub-folder of the JDF Destination Folder, this is the destination for the PDF marks flat. This is also the destination for PDF content files when CopyContentFiles=True and when the content has been assigned within Metrix (populated JDF). |
|            | <a href="#">ContentSourcePath</a>                                                                                                                                                                       | <a href="#">TextType Max</a>     | required |                     |       | documentation<br>The destination for the PDF marks flat, and content files if CopyContentFiles=True, relative to the JDF Destination Folder.                                                                                                                           |
|            | <a href="#">ImposeTo</a>                                                                                                                                                                                | <a href="#">AnchorImposeType</a> | required |                     |       | documentation<br>The area to impose to.                                                                                                                                                                                                                                |
|            | <a href="#">CopyContentFiles</a>                                                                                                                                                                        | <b>xs:boolean</b>                |          | true                |       | documentation<br>When True, Metrix will copy any                                                                                                                                                                                                                       |

|                                      |                                                           |       |                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|--------------------------------------|-----------------------------------------------------------|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <a href="#">EmbedFileMarks</a>       | <b>xs:boolean</b>                                         | true  | assigned content files to the ContentDestinationFolder. When False, no assigned content will be copied.<br><a href="#">documentation</a>                                                                                                                                                                                                                                                                                           |
| <a href="#">ExportNegativeBleeds</a> | <b>xs:boolean</b>                                         | false | When True, Metrix will embed file marks in the PDF marks flat.<br><a href="#">documentation</a>                                                                                                                                                                                                                                                                                                                                    |
| <a href="#">PdfSheetBleed</a>        | <b>derived by:</b><br><a href="#">LinearDimensionType</a> | 0     | When True, any Negative Bleed area specified in Metrix will be cropped.<br><a href="#">documentation</a>                                                                                                                                                                                                                                                                                                                           |
| <a href="#">JDFUnpopulatedFormat</a> | <b>JDFUnpopulatedFormatType</b>                           | Blank | Specify a PDF Sheet Bleed margin when exporting Imposed PDF, Barcoded Imposed PDF, and JDF. This setting adds the specified margin to the mediabox all around the sheet and sets the trimbox to the exact sheet size and ensures marks can bleed off the edge of the sheet.<br><a href="#">documentation</a>                                                                                                                       |
| <a href="#">at</a>                   | <b>e</b>                                                  |       | Determines how to identify content in a LayoutElement element in the content RunList resource when the content is not specified for Metrix.<br><br>BLANK: Default<br>Identify unspecified content as: LayoutElement/@IsBlank="True"<br><br>UNSPECIFIED: Identify unspecified content as:<br>LayoutElement being completely empty.<br><br>RESERVATION: Identify unspecified content as:<br>LayoutElement/@ElementType="Reservation" |
| <a href="#">IncludeContent</a>       | <b>xs:boolean</b>                                         | true  | <a href="#">documentation</a><br>Determines whether or not to include content files.                                                                                                                                                                                                                                                                                                                                               |
| <a href="#">XMFTemplateName</a>      | <b>TextType_Max</b>                                       |       | <a href="#">documentation</a><br>The name of the XMF template to use. Only used with Fujifilm XMF prepress workflow.                                                                                                                                                                                                                                                                                                               |
| <a href="#">ForceQuantityOne</a>     | <b>xs:boolean</b>                                         | false | <a href="#">documentation</a>                                                                                                                                                                                                                                                                                                                                                                                                      |
| <a href="#">ExportAs</a>             | <b>JDFImpositionOutputFormatType</b>                      |       | Fiery only.                                                                                                                                                                                                                                                                                                                                                                                                                        |

#### attribute **ExportJDFImposition/@Name**

|            |                                                                                                                                                         |                     |            |
|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|------------|
| type       | <b>TextType_Max</b>                                                                                                                                     |                     |            |
| properties | default                                                                                                                                                 | ExportJDFImposition |            |
| facets     | Kind                                                                                                                                                    | Value               | Annotation |
|            | minLength                                                                                                                                               | 0                   |            |
|            | maxLength                                                                                                                                               | 250                 |            |
| annotation | <a href="#">documentation</a><br>A user-definable name for the Command Event. If not supplied, defaults to "ExportJDFImposition". Up to 250 characters. |                     |            |

#### attribute **ExportJDFImposition/@JDFUnpopulatedFormat**

|            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |             |            |
|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|------------|
| type       | <a href="#">JDFUnpopulatedFormatType</a>                                                                                                                                                                                                                                                                                                                                                                                                                          |             |            |
| properties | default                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Blank       |            |
| facets     | Kind                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Value       | Annotation |
|            | enumeration                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Blank       |            |
|            | enumeration                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Unspecified |            |
|            | enumeration                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Reservation |            |
| annotation | <p>documentation</p> <p>Determines how to identify content in a LayoutElement element in the content RunList resource when the content is not specified for Metrix.</p> <p>BLANK: Default<br/>Identify unspecified content as:<br/>LayoutElement/@IsBlank="True"</p> <p>UNSPECIFIED: Identify unspecified content as:<br/>LayoutElement being completely empty.</p> <p>RESERVATION: Identify unspecified content as: LayoutElement/@ElementType="Reservation"</p> |             |            |

#### attribute **ExportJDFImposition/@IncludeContent**

|            |                                                                      |      |  |
|------------|----------------------------------------------------------------------|------|--|
| type       | <b>xs:boolean</b>                                                    |      |  |
| properties | default                                                              | true |  |
| annotation | documentation<br>Determines whether or not to include content files. |      |  |

#### attribute **ExportJDFImposition/@XMFTemplateName**

|            |                                                                                                                 |       |            |
|------------|-----------------------------------------------------------------------------------------------------------------|-------|------------|
| type       | <a href="#">TextType Max</a>                                                                                    |       |            |
| facets     | Kind                                                                                                            | Value | Annotation |
|            | minLength                                                                                                       | 0     |            |
|            | maxLength                                                                                                       | 250   |            |
| annotation | <p>documentation</p> <p>The name of the XMF template to use. Only used with Fujifilm XMF prepress workflow.</p> |       |            |

#### attribute **ExportJDFImposition/@ForceQuantityOne**

|            |                              |       |  |
|------------|------------------------------|-------|--|
| type       | xs:boolean                   |       |  |
| properties | default                      | false |  |
| annotation | documentation<br>Fiery only. |       |  |

#### attribute **ExportJDFImposition/@ExportAs**

|        |                                               |                                      |            |
|--------|-----------------------------------------------|--------------------------------------|------------|
| type   | <a href="#">JDFImpositionOutputFormatType</a> |                                      |            |
| facets | Kind                                          | Value                                | Annotation |
|        | enumeration                                   | OneFile                              |            |
|        | enumeration                                   | SeparateFileForEachLayout            |            |
|        | enumeration                                   | SeparateFileForEachLayoutSide        |            |
|        | enumeration                                   | SeparateFileForEachPlateAndSheetSize |            |

## element **ExportJDFStripping**

|            |                                   |                                      |     |                               |       |                                                                                                                                                                                       |
|------------|-----------------------------------|--------------------------------------|-----|-------------------------------|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| properties | content complex                   |                                      |     |                               |       |                                                                                                                                                                                       |
| used by    | element <a href="#">Run</a>       |                                      |     |                               |       |                                                                                                                                                                                       |
| attributes | Name<br><a href="#">Name</a>      | Type<br><a href="#">TextType Max</a> | Use | Default<br>ExportJDFStripping | Fixed | Annotation<br>documentation<br>A user-definable name for the Command Event. If not supplied, defaults to "ExportJDFStripping". Up to 250 characters.                                  |
|            | <a href="#">ExportToZipFile</a>   | xs:boolean                           |     | false                         |       | documentation<br>If supplied and True, the DestinationFolder is ignored and the exported file(s) are included in the zip file exported by the next ExportZipFile command encountered. |
|            | <a href="#">DestinationFolder</a> | <a href="#">TextType Max</a>         |     |                               |       | documentation<br>The destination for the exported file. Required unless ExportToZipFile = True.                                                                                       |
|            | <a href="#">FilenameFormat</a>    | <a href="#">TextType Max</a>         |     | &lt;PROJECT.ID&gt;            |       | documentation<br>Default may be set by preference exportAny.ExportFilenameFormat                                                                                                      |
|            | <a href="#">isSelected</a>        | xs:boolean                           |     | true                          |       |                                                                                                                                                                                       |

## attribute **ExportJDFStripping/@Name**

|            |                                                                                                                                        |                    |            |
|------------|----------------------------------------------------------------------------------------------------------------------------------------|--------------------|------------|
| type       | <a href="#">TextType Max</a>                                                                                                           |                    |            |
| properties | default                                                                                                                                | ExportJDFStripping |            |
| facets     | Kind                                                                                                                                   | Value              | Annotation |
|            | minLength                                                                                                                              | 0                  |            |
|            | maxLength                                                                                                                              | 250                |            |
| annotation | documentation<br>A user-definable name for the Command Event. If not supplied, defaults to "ExportJDFStripping". Up to 250 characters. |                    |            |

## element **ExportLayoutImages**

|            |                                   |                                      |     |                               |       |                                                                                                                                                                                       |
|------------|-----------------------------------|--------------------------------------|-----|-------------------------------|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| properties | content complex                   |                                      |     |                               |       |                                                                                                                                                                                       |
| used by    | element <a href="#">Run</a>       |                                      |     |                               |       |                                                                                                                                                                                       |
| attributes | Name<br><a href="#">Name</a>      | Type<br><a href="#">TextType Max</a> | Use | Default<br>ExportLayoutImages | Fixed | Annotation<br>documentation<br>A user-definable name for the Command Event. If not supplied, defaults to "ExportLayoutImages". Up to 250 characters.                                  |
|            | <a href="#">ExportToZipFile</a>   | xs:boolean                           |     | false                         |       | documentation<br>If supplied and True, the DestinationFolder is ignored and the exported file(s) are included in the zip file exported by the next ExportZipFile command encountered. |
|            | <a href="#">DestinationFolder</a> | <a href="#">TextType Max</a>         |     |                               |       | documentation<br>The destination for the exported file. Required unless ExportToZipFile = True.                                                                                       |
|            | <a href="#">FilenameFormat</a>    | <a href="#">TextType Max</a>         |     | &lt;PROJECT.ID&gt;            |       | documentation<br>Default may be set by preference exportAny.ExportFilenameFormat                                                                                                      |
|            | <a href="#">isSelected</a>        | xs:boolean                           |     | true                          |       |                                                                                                                                                                                       |

|  |                                      |                                         |          |                                                                                                                                                                                                                     |
|--|--------------------------------------|-----------------------------------------|----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | <a href="#">MaxImageWidthPixels</a>  | <b>derived by:</b><br><b>xs:integer</b> | required | documentation<br>The width of the bounding box the images should be scaled to fit inside. Valid range: 20 – 1,800.                                                                                                  |
|  | <a href="#">MaxImageHeightPixels</a> | <b>derived by:</b><br><b>xs:integer</b> | required | documentation<br>The height of the bounding box the images should be scaled to fit inside. Valid range: 20 – 1,800.                                                                                                 |
|  | <a href="#">ShowPreviews</a>         | <b>xs:boolean</b>                       | false    | documentation<br>Default set by preference "previews.defaultOnForLayoutImages" which defaults to false. Whether the exported layout image files should show content preview thumbnails or the standard layout view. |

#### attribute **ExportLayoutImages/@Name**

|            |                                                                                                                                        |                    |            |
|------------|----------------------------------------------------------------------------------------------------------------------------------------|--------------------|------------|
| type       | <a href="#">TextType Max</a>                                                                                                           |                    |            |
| properties | default                                                                                                                                | ExportLayoutImages |            |
| facets     | Kind                                                                                                                                   | Value              | Annotation |
|            | minLength                                                                                                                              | 0                  |            |
|            | maxLength                                                                                                                              | 250                |            |
| annotation | documentation<br>A user-definable name for the Command Event. If not supplied, defaults to "ExportLayoutImages". Up to 250 characters. |                    |            |

#### attribute **ExportLayoutImages/@MaxImageWidthPixels**

|            |                                                                                                                    |          |            |
|------------|--------------------------------------------------------------------------------------------------------------------|----------|------------|
| type       | restriction of <b>xs:integer</b>                                                                                   |          |            |
| properties | use                                                                                                                | required |            |
| facets     | Kind                                                                                                               | Value    | Annotation |
|            | minInclusive                                                                                                       | 20       |            |
|            | maxInclusive                                                                                                       | 1800     |            |
| annotation | documentation<br>The width of the bounding box the images should be scaled to fit inside. Valid range: 20 – 1,800. |          |            |

#### attribute **ExportLayoutImages/@MaxImageHeightPixels**

|            |                                                                                                                     |          |            |
|------------|---------------------------------------------------------------------------------------------------------------------|----------|------------|
| type       | restriction of <b>xs:integer</b>                                                                                    |          |            |
| properties | use                                                                                                                 | required |            |
| facets     | Kind                                                                                                                | Value    | Annotation |
|            | minInclusive                                                                                                        | 20       |            |
|            | maxInclusive                                                                                                        | 1800     |            |
| annotation | documentation<br>The height of the bounding box the images should be scaled to fit inside. Valid range: 20 – 1,800. |          |            |

#### attribute **ExportLayoutImages/@ShowPreviews**

|            |                                                                                                                                                                                                                        |
|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| type       | xs:boolean                                                                                                                                                                                                             |
| properties | default false                                                                                                                                                                                                          |
| annotation | documentation<br>Default set by preference "previews.defaultOnForLayoutImages" which defaults to false.<br>Whether the exported layout image files should show content preview thumbnails or the standard layout view. |

|  |  |
|--|--|
|  |  |
|--|--|

## element **ExportMetrixXML**

|            |                                     |                                      |     |                            |       |                                                                                                                                                                                       |
|------------|-------------------------------------|--------------------------------------|-----|----------------------------|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| properties | content                             | complex                              |     |                            |       |                                                                                                                                                                                       |
| used by    | element                             | <a href="#">Run</a>                  |     |                            |       |                                                                                                                                                                                       |
| attributes | Name<br><a href="#">Name</a>        | Type<br><a href="#">TextType Max</a> | Use | Default<br>ExportMetrixXML | Fixed | Annotation<br>documentation<br>A user-definable name for the Command Event. If not supplied, defaults to "ExportMetrixXML". Up to 250 characters.                                     |
|            | <a href="#">ExportToZipFile</a>     | <b>xs:boolean</b>                    |     | false                      |       | documentation<br>If supplied and True, the DestinationFolder is ignored and the exported file(s) are included in the zip file exported by the next ExportZipFile command encountered. |
|            | <a href="#">DestinationFolder</a>   | <a href="#">TextType Max</a>         |     |                            |       | documentation<br>The destination for the exported file. Required unless ExportToZipFile = True.                                                                                       |
|            | <a href="#">FilenameFormat</a>      | <a href="#">TextType Max</a>         |     | &lt;PROJECT.ID&gt;         |       | documentation<br>Default may be set by preference exportAny.ExportFilenameFormat                                                                                                      |
|            | <a href="#">isSelected</a>          | <b>xs:boolean</b>                    |     | true                       |       |                                                                                                                                                                                       |
|            | <a href="#">ExportDataFor</a>       | <a href="#">ExportDataForType</a>    |     | WholeProject               |       | documentation<br>What data the MXML file should include.                                                                                                                              |
|            | <a href="#">ProductGUIDs</a>        | <b>xs:string</b>                     |     |                            |       |                                                                                                                                                                                       |
|            | <a href="#">MXMLVersion</a>         | <a href="#">SchemaVersionType</a>    |     | 1.0                        |       | documentation<br>The version for the exported MXML file.                                                                                                                              |
|            | <a href="#">IgnoreRunListErrors</a> | <b>xs:boolean</b>                    |     | false                      |       |                                                                                                                                                                                       |
|            | <a href="#">ExportEquipment</a>     | <b>xs:boolean</b>                    |     | false                      |       | documentation<br>When True, exports plant equipment used for the project.                                                                                                             |

## attribute **ExportMetrixXML/@Name**

|            |                                                                                                                                     |                 |            |
|------------|-------------------------------------------------------------------------------------------------------------------------------------|-----------------|------------|
| type       | <a href="#">TextType Max</a>                                                                                                        |                 |            |
| properties | default                                                                                                                             | ExportMetrixXML |            |
| facets     | Kind                                                                                                                                | Value           | Annotation |
|            | minLength                                                                                                                           | 0               |            |
|            | maxLength                                                                                                                           | 250             |            |
| annotation | documentation<br>A user-definable name for the Command Event. If not supplied, defaults to "ExportMetrixXML". Up to 250 characters. |                 |            |

## attribute **ExportMetrixXML/@ExportDataFor**

|            |                                    |                                      |            |  |  |
|------------|------------------------------------|--------------------------------------|------------|--|--|
| type       | <a href="#">ExportDataForType</a>  |                                      |            |  |  |
| properties | default                            | WholeProject                         |            |  |  |
| facets     | Kind<br>enumeration<br>enumeration | Value<br>WholeProject<br>AllProducts | Annotation |  |  |

|            |                                                          |
|------------|----------------------------------------------------------|
|            | enumeration   SelectedProducts                           |
| annotation | documentation<br>What data the MXML file should include. |

attribute **ExportMetrixXML/@ProductGUIDs**

|      |                  |
|------|------------------|
| type | <b>xs:string</b> |
|------|------------------|

attribute **ExportMetrixXML/@MXMLVersion**

|            |                                                          |       |            |
|------------|----------------------------------------------------------|-------|------------|
| type       | <a href="#">SchemaVersionType</a>                        |       |            |
| properties | default                                                  | 1.0   |            |
| facets     | Kind                                                     | Value | Annotation |
|            | enumeration                                              | 1.0   |            |
|            | enumeration                                              | 1.5   |            |
|            | enumeration                                              | 1.6   |            |
|            | enumeration                                              | 2.0   |            |
|            | enumeration                                              | 2.1   |            |
| annotation | documentation<br>The version for the exported MXML file. |       |            |

attribute **ExportMetrixXML/@IgnoreRunListErrors**

|            |                   |
|------------|-------------------|
| type       | <b>xs:boolean</b> |
| properties | default   false   |

attribute **ExportMetrixXML/@ExportEquipment**

|            |                                                                           |
|------------|---------------------------------------------------------------------------|
| type       | <b>xs:boolean</b>                                                         |
| properties | default   false                                                           |
| annotation | documentation<br>When True, exports plant equipment used for the project. |

element **ExportPrepsTemplate**

|            |                                   |                                     |     |                     |       |                                                                                                                                                                                       |
|------------|-----------------------------------|-------------------------------------|-----|---------------------|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| properties | content                           | complex                             |     |                     |       |                                                                                                                                                                                       |
| used by    | element                           | <a href="#">Run</a>                 |     |                     |       |                                                                                                                                                                                       |
| attributes | Name                              | Type                                | Use | Default             | Fixed | Annotation                                                                                                                                                                            |
|            | <a href="#">Name</a>              | <a href="#">TextType</a> <b>Max</b> |     | ExportPrepsTemplate |       | documentation<br>A user-definable name for the Command Event. If not supplied, defaults to "ExportPrepsTemplate". Up to 250 characters.                                               |
|            | <a href="#">ExportToZipFile</a>   | <b>xs:boolean</b>                   |     | false               |       | documentation<br>If supplied and True, the DestinationFolder is ignored and the exported file(s) are included in the zip file exported by the next ExportZipFile command encountered. |
|            | <a href="#">DestinationFolder</a> | <a href="#">TextType</a> <b>Max</b> |     |                     |       | documentation                                                                                                                                                                         |

|  |                                                                                           |                                                                                                                                                                 |
|--|-------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | <a href="#">FilenameFormat</a> <a href="#">TextType Max</a> &lt;PROJECT.ID&gt;            | The destination for the exported file. Required unless ExportToZipFile = True. documentation<br>Default may be set by preference exportAny.ExportFilenameFormat |
|  | <a href="#">isSelected</a> xs:boolean      true                                           |                                                                                                                                                                 |
|  | <a href="#">PrepsMarksMasterFile</a> <a href="#">TextType Max</a>                         |                                                                                                                                                                 |
|  | <a href="#">SideGuides</a> derived by: <a href="#">LinearDimensionType</a> required       |                                                                                                                                                                 |
|  | <a href="#">SideGuidesFrom</a> xs:nonNegativeInteger      required                        |                                                                                                                                                                 |
|  | <a href="#">CenterMarkLength</a> derived by: <a href="#">LinearDimensionType</a> required |                                                                                                                                                                 |
|  | <a href="#">PunchCenter</a> derived by: <a href="#">LinearDimensionType</a> required      |                                                                                                                                                                 |
|  | <a href="#">CropMarkDistance</a> derived by: <a href="#">LinearDimensionType</a> required |                                                                                                                                                                 |
|  | <a href="#">CropMarkLength</a> derived by: <a href="#">LinearDimensionType</a> required   |                                                                                                                                                                 |
|  | <a href="#">FoldMarkDistance</a> derived by: <a href="#">LinearDimensionType</a> required |                                                                                                                                                                 |
|  | <a href="#">FoldMarkLength</a> derived by: <a href="#">LinearDimensionType</a> required   |                                                                                                                                                                 |
|  | <a href="#">ExportNegativeBleeds</a> xs:boolean      required                             |                                                                                                                                                                 |

#### attribute **ExportPrepsTemplate/@Name**

|            |                                                                                                                                         |                     |            |
|------------|-----------------------------------------------------------------------------------------------------------------------------------------|---------------------|------------|
| type       | <a href="#">TextType Max</a>                                                                                                            |                     |            |
| properties | default                                                                                                                                 | ExportPrepsTemplate |            |
| facets     | Kind                                                                                                                                    | Value               | Annotation |
|            | minLength                                                                                                                               | 0                   |            |
|            | maxLength                                                                                                                               | 250                 |            |
| annotation | documentation<br>A user-definable name for the Command Event. If not supplied, defaults to "ExportPrepsTemplate". Up to 250 characters. |                     |            |

#### attribute **ExportPrepsTemplate/@PrepsMarksMasterFile**

|        |                              |       |            |
|--------|------------------------------|-------|------------|
| type   | <a href="#">TextType Max</a> |       |            |
| facets | Kind                         | Value | Annotation |
|        | minLength                    | 0     |            |
|        | maxLength                    | 250   |            |

#### attribute **ExportPrepsTemplate/@SideGuides**

|            |                                                    |          |            |
|------------|----------------------------------------------------|----------|------------|
| type       | restriction of <a href="#">LinearDimensionType</a> |          |            |
| properties | use                                                | required |            |
| facets     | Kind                                               | Value    | Annotation |
|            | minInclusive                                       | 0        |            |

#### attribute **ExportPrepsTemplate/@SideGuidesFrom**

|            |                       |          |  |
|------------|-----------------------|----------|--|
| type       | xs:nonNegativeInteger |          |  |
| properties | use                   | required |  |

attribute **ExportPrepsTemplate/@CenterMarkLength**

|            |                                                    |          |            |
|------------|----------------------------------------------------|----------|------------|
| type       | restriction of <a href="#">LinearDimensionType</a> |          |            |
| properties | use                                                | required |            |
| facets     | Kind                                               | Value    | Annotation |
|            | minInclusive                                       | 0        |            |

attribute **ExportPrepsTemplate/@PunchCenter**

|            |                                                    |          |            |
|------------|----------------------------------------------------|----------|------------|
| type       | restriction of <a href="#">LinearDimensionType</a> |          |            |
| properties | use                                                | required |            |
| facets     | Kind                                               | Value    | Annotation |
|            | minInclusive                                       | 0        |            |

attribute **ExportPrepsTemplate/@CropMarkDistance**

|            |                                                    |          |            |
|------------|----------------------------------------------------|----------|------------|
| type       | restriction of <a href="#">LinearDimensionType</a> |          |            |
| properties | use                                                | required |            |
| facets     | Kind                                               | Value    | Annotation |
|            | minInclusive                                       | 0        |            |

attribute **ExportPrepsTemplate/@CropMarkLength**

|            |                                                    |          |            |
|------------|----------------------------------------------------|----------|------------|
| type       | restriction of <a href="#">LinearDimensionType</a> |          |            |
| properties | use                                                | required |            |
| facets     | Kind                                               | Value    | Annotation |
|            | minInclusive                                       | 0        |            |

attribute **ExportPrepsTemplate/@FoldMarkDistance**

|            |                                                    |          |            |
|------------|----------------------------------------------------|----------|------------|
| type       | restriction of <a href="#">LinearDimensionType</a> |          |            |
| properties | use                                                | required |            |
| facets     | Kind                                               | Value    | Annotation |
|            | minInclusive                                       | 0        |            |

attribute **ExportPrepsTemplate/@FoldMarkLength**

|            |                                                    |          |            |
|------------|----------------------------------------------------|----------|------------|
| type       | restriction of <a href="#">LinearDimensionType</a> |          |            |
| properties | use                                                | required |            |
| facets     | Kind                                               | Value    | Annotation |
|            | minInclusive                                       | 0        |            |

attribute **ExportPrepsTemplate/@ExportNegativeBleeds**

|            |                   |
|------------|-------------------|
| type       | <b>xs:boolean</b> |
| properties | use required      |

# element **ExportReportOptions**

| properties | content complex                                                                                                |            |     |         |       |                                                                                         |
|------------|----------------------------------------------------------------------------------------------------------------|------------|-----|---------|-------|-----------------------------------------------------------------------------------------|
| used by    | elements <a href="#">ExportReportToPDF</a> <a href="#">ExportReportToPrinter</a> <a href="#">ExportZipFile</a> |            |     |         |       |                                                                                         |
| attributes | Name                                                                                                           | Type       | Use | Default | Fixed | Annotation                                                                              |
|            | <a href="#">ProjectName</a>                                                                                    | xs:string  |     |         |       | documentation<br>Select if ProjectName is to be included in the report.                 |
|            | <a href="#">ProjectDescription</a>                                                                             | xs:string  |     |         |       | documentation<br>Select if ProjectDescription is to be included in report.              |
|            | <a href="#">ProjectNotes</a>                                                                                   | xs:boolean |     |         |       | documentation<br>Select if ProjectNotes is to be included in report.                    |
|            | <a href="#">PrintedBy</a>                                                                                      | xs:boolean |     |         |       | documentation<br>Select if PrintedBy is to be included in report.                       |
|            | <a href="#">ProductSummary</a>                                                                                 | xs:boolean |     |         |       | documentation<br>Select if ProductSummary is to be included in report.                  |
|            | <a href="#">ProductName</a>                                                                                    | xs:boolean |     |         |       | documentation<br>Select if ProductName is to be included in report.                     |
|            | <a href="#">ProductDescription</a>                                                                             | xs:boolean |     |         |       | documentation<br>Select if ProductDescription is to be included in report.              |
|            | <a href="#">ProductNotes</a>                                                                                   | xs:boolean |     |         |       | documentation<br>Select if ProductNotes is to be included in report.                    |
|            | <a href="#">ProductDueDate</a>                                                                                 | xs:boolean |     |         |       | documentation<br>Select if ProductDueDate is to be included in report.                  |
|            | <a href="#">ProductCustomer</a>                                                                                | xs:boolean |     |         |       | documentation<br>Select if ProductCustomer is to be included in report.                 |
|            | <a href="#">ProductQuantity</a>                                                                                | xs:boolean |     |         |       | documentation<br>Select if ProductQuantity is to be included in report.                 |
|            | <a href="#">LayoutSheetsRequiredInHeader</a>                                                                   | xs:boolean |     |         |       | documentation<br>Select if<br>LayoutSheetsRequiredInHeader is to be included in report. |
|            | <a href="#">LayoutBackground</a>                                                                               | xs:boolean |     |         |       | documentation<br>Select if LayoutBackground is to be included in report.                |
|            | <a href="#">LayoutShadeBleeds</a>                                                                              | xs:boolean |     |         |       | documentation<br>Select if LayoutShadeBleeds is to be included in report.               |
|            | <a href="#">LayoutDrawPlate</a>                                                                                | xs:boolean |     |         |       | documentation<br>Select if LayoutDrawPlate is to be included in report.                 |
|            | <a href="#">LayoutShadePlate</a>                                                                               | xs:boolean |     |         |       | documentation<br>Select if LayoutShadePlate is to be included in report.                |
|            | <a href="#">LayoutShowPreviews</a>                                                                             | xs:boolean |     |         |       | documentation<br>Select if LayoutShowPreviews is to be included in report.              |
|            | <a href="#">LayoutGripper</a>                                                                                  | xs:boolean |     |         |       | documentation<br>Select if LayoutGripper is to be included in report.                   |
|            | <a href="#">LayoutPrintingMethod</a>                                                                           | xs:boolean |     |         |       | documentation<br>Select if LayoutPrintingMethod is to be included in report.            |
|            | <a href="#">LayoutPress</a>                                                                                    | xs:boolean |     |         |       | documentation<br>Select if LayoutPress is to be included in report.                     |

|  |                                                  |                                     |                                                                                                                                                                         |
|--|--------------------------------------------------|-------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | <a href="#">LayoutStock</a>                      | <b>xs:boolean</b>                   | documentation<br>Select if LayoutStock is to be included in report.                                                                                                     |
|  | <a href="#">LayoutSheetSize</a>                  | <b>xs:boolean</b>                   | documentation<br>Select if LayoutSheetSize is to be included in report.                                                                                                 |
|  | <a href="#">LayoutSheetsRequiredBelowDiagram</a> | <b>xs:boolean</b>                   | documentation<br>Select if LayoutSheetsRequiredBelowDiagram is to be included in report.                                                                                |
|  | <a href="#">LayoutColors</a>                     | <b>xs:boolean</b>                   | documentation<br>Select if LayoutColors is to be included in report.                                                                                                    |
|  | <a href="#">LayoutCuts</a>                       | <b>xs:boolean</b>                   | documentation<br>Select if LayoutCuts is to be included in the report.                                                                                                  |
|  | <a href="#">LayoutProductSide2</a>               | <b>xs:boolean</b>                   | documentation<br>Select if LayoutProductSide2 (side 2 Product data) is to be included in the report.                                                                    |
|  | <a href="#">ReportMarginTop</a>                  | <a href="#">LinearDimensionType</a> | documentation<br>Dimension in range of 0" - 1", default = 0.5"; 0 - 25.4mm, default = 12.7mm.                                                                           |
|  | <a href="#">ReportMarginBottom</a>               | <a href="#">LinearDimensionType</a> | documentation<br>Dimension in range of 0" - 1", default = 0.5"; 0 - 25.4mm, default = 12.7mm.                                                                           |
|  | <a href="#">ReportMarginLeft</a>                 | <a href="#">LinearDimensionType</a> | documentation<br>Dimension in range of 0" - 1", default = 0.5"; 0 - 25.4mm, default = 12.7mm.                                                                           |
|  | <a href="#">ReportMarginRight</a>                | <a href="#">LinearDimensionType</a> | documentation<br>Dimension in range of 0" - 1", default = 0.5"; 0 - 25.4mm, default = 12.7mm.                                                                           |
|  | <a href="#">ReportPageWidth</a>                  | <a href="#">LinearDimensionType</a> | documentation<br>Report page size (height and width combined) can be a minimum of A5 to max of A3; this includes US sizes of letter, legal, and tabloid. Default = 8.5" |
|  | <a href="#">ReportPageHeight</a>                 | <a href="#">LinearDimensionType</a> | documentation<br>Report page size (height and width combined) can be a minimum of A5 to max of A3, this includes US sizes of letter, legal and tabloid. Default = 11"   |

attribute **ExportReportOptions/@ProjectName**

|            |                                                                         |
|------------|-------------------------------------------------------------------------|
| type       | <b>xs:string</b>                                                        |
| annotation | documentation<br>Select if ProjectName is to be included in the report. |

attribute **ExportReportOptions/@ProjectDescription**

|            |                                                                            |
|------------|----------------------------------------------------------------------------|
| type       | <b>xs:string</b>                                                           |
| annotation | documentation<br>Select if ProjectDescription is to be included in report. |

attribute **ExportReportOptions/@ProjectNotes**

|            |                                                                      |
|------------|----------------------------------------------------------------------|
| type       | <b>xs:boolean</b>                                                    |
| annotation | documentation<br>Select if ProjectNotes is to be included in report. |

attribute **ExportReportOptions/@PrintedBy**

|            |                                                                   |
|------------|-------------------------------------------------------------------|
| type       | <b>xs:boolean</b>                                                 |
| annotation | documentation<br>Select if PrintedBy is to be included in report. |

attribute **ExportReportOptions/@ProductSummary**

|            |                                                                        |
|------------|------------------------------------------------------------------------|
| type       | <b>xs:boolean</b>                                                      |
| annotation | documentation<br>Select if ProductSummary is to be included in report. |

attribute **ExportReportOptions/@ProductName**

|            |                                                                     |
|------------|---------------------------------------------------------------------|
| type       | <b>xs:boolean</b>                                                   |
| annotation | documentation<br>Select if ProductName is to be included in report. |

attribute **ExportReportOptions/@ProductDescription**

|            |                                                                            |
|------------|----------------------------------------------------------------------------|
| type       | <b>xs:boolean</b>                                                          |
| annotation | documentation<br>Select if ProductDescription is to be included in report. |

attribute **ExportReportOptions/@ProductNotes**

|            |                                                                      |
|------------|----------------------------------------------------------------------|
| type       | <b>xs:boolean</b>                                                    |
| annotation | documentation<br>Select if ProductNotes is to be included in report. |

attribute **ExportReportOptions/@ProductDueDate**

|            |                                                                        |
|------------|------------------------------------------------------------------------|
| type       | <b>xs:boolean</b>                                                      |
| annotation | documentation<br>Select if ProductDueDate is to be included in report. |

attribute **ExportReportOptions/@ProductCustomer**

|            |                                                                         |
|------------|-------------------------------------------------------------------------|
| type       | <b>xs:boolean</b>                                                       |
| annotation | documentation<br>Select if ProductCustomer is to be included in report. |

attribute **ExportReportOptions/@ProductQuantity**

|            |                                                                         |
|------------|-------------------------------------------------------------------------|
| type       | <b>xs:boolean</b>                                                       |
| annotation | documentation<br>Select if ProductQuantity is to be included in report. |

attribute **ExportReportOptions/@LayoutSheetsRequiredInHeader**

|            |                                                                                      |
|------------|--------------------------------------------------------------------------------------|
| type       | <b>xs:boolean</b>                                                                    |
| annotation | documentation<br>Select if LayoutSheetsRequiredInHeader is to be included in report. |

attribute **ExportReportOptions/@LayoutBackground**

|            |                                                                          |
|------------|--------------------------------------------------------------------------|
| type       | <b>xs:boolean</b>                                                        |
| annotation | documentation<br>Select if LayoutBackground is to be included in report. |

attribute **ExportReportOptions/@LayoutShadeBleeds**

|            |                                                                           |
|------------|---------------------------------------------------------------------------|
| type       | <b>xs:boolean</b>                                                         |
| annotation | documentation<br>Select if LayoutShadeBleeds is to be included in report. |

attribute **ExportReportOptions/@LayoutDrawPlate**

|            |                                                                         |
|------------|-------------------------------------------------------------------------|
| type       | <b>xs:boolean</b>                                                       |
| annotation | documentation<br>Select if LayoutDrawPlate is to be included in report. |

attribute **ExportReportOptions/@LayoutShadePlate**

|            |                                                                          |
|------------|--------------------------------------------------------------------------|
| type       | <b>xs:boolean</b>                                                        |
| annotation | documentation<br>Select if LayoutShadePlate is to be included in report. |

attribute **ExportReportOptions/@LayoutShowPreviews**

|            |                                                                            |
|------------|----------------------------------------------------------------------------|
| type       | <b>xs:boolean</b>                                                          |
| annotation | documentation<br>Select if LayoutShowPreviews is to be included in report. |

attribute **ExportReportOptions/@LayoutGripper**

|            |                                                                       |
|------------|-----------------------------------------------------------------------|
| type       | <b>xs:boolean</b>                                                     |
| annotation | documentation<br>Select if LayoutGripper is to be included in report. |

attribute **ExportReportOptions/@LayoutPrintingMethod**

|            |                                                                              |
|------------|------------------------------------------------------------------------------|
| type       | <b>xs:boolean</b>                                                            |
| annotation | documentation<br>Select if LayoutPrintingMethod is to be included in report. |

attribute **ExportReportOptions/@LayoutPress**

|      |                   |
|------|-------------------|
| type | <b>xs:boolean</b> |
|------|-------------------|

|            |                                                                     |
|------------|---------------------------------------------------------------------|
| annotation | documentation<br>Select if LayoutPress is to be included in report. |
|------------|---------------------------------------------------------------------|

#### attribute **ExportReportOptions/@LayoutStock**

|            |                                                                     |
|------------|---------------------------------------------------------------------|
| type       | <b>xs:boolean</b>                                                   |
| annotation | documentation<br>Select if LayoutStock is to be included in report. |

#### attribute **ExportReportOptions/@LayoutSheetSize**

|            |                                                                         |
|------------|-------------------------------------------------------------------------|
| type       | <b>xs:boolean</b>                                                       |
| annotation | documentation<br>Select if LayoutSheetSize is to be included in report. |

#### attribute **ExportReportOptions/@LayoutSheetsRequiredBelowDiagram**

|            |                                                                                          |
|------------|------------------------------------------------------------------------------------------|
| type       | <b>xs:boolean</b>                                                                        |
| annotation | documentation<br>Select if LayoutSheetsRequiredBelowDiagram is to be included in report. |

#### attribute **ExportReportOptions/@LayoutColors**

|            |                                                                      |
|------------|----------------------------------------------------------------------|
| type       | <b>xs:boolean</b>                                                    |
| annotation | documentation<br>Select if LayoutColors is to be included in report. |

#### attribute **ExportReportOptions/@LayoutCuts**

|            |                                                                        |
|------------|------------------------------------------------------------------------|
| type       | <b>xs:boolean</b>                                                      |
| annotation | documentation<br>Select if LayoutCuts is to be included in the report. |

#### attribute **ExportReportOptions/@LayoutProductSide2**

|            |                                                                                                      |
|------------|------------------------------------------------------------------------------------------------------|
| type       | <b>xs:boolean</b>                                                                                    |
| annotation | documentation<br>Select if LayoutProductSide2 (side 2 Product data) is to be included in the report. |

#### attribute **ExportReportOptions/@ReportMarginTop**

|            |                                                                                               |
|------------|-----------------------------------------------------------------------------------------------|
| type       | <a href="#"><b>LinearDimensionType</b></a>                                                    |
| annotation | documentation<br>Dimension in range of 0" - 1", default = 0.5"; 0 - 25.4mm, default = 12.7mm. |

#### attribute **ExportReportOptions/@ReportMarginBottom**

|            |                                                                                               |
|------------|-----------------------------------------------------------------------------------------------|
| type       | <a href="#"><b>LinearDimensionType</b></a>                                                    |
| annotation | documentation<br>Dimension in range of 0" - 1", default = 0.5"; 0 - 25.4mm, default = 12.7mm. |

attribute **ExportReportOptions/@ReportMarginLeft**

|            |                                                                                               |
|------------|-----------------------------------------------------------------------------------------------|
| type       | <a href="#">LinearDimensionType</a>                                                           |
| annotation | documentation<br>Dimension in range of 0" - 1", default = 0.5"; 0 - 25.4mm, default = 12.7mm. |

attribute **ExportReportOptions/@ReportMarginRight**

|            |                                                                                               |
|------------|-----------------------------------------------------------------------------------------------|
| type       | <a href="#">LinearDimensionType</a>                                                           |
| annotation | documentation<br>Dimension in range of 0" - 1", default = 0.5"; 0 - 25.4mm, default = 12.7mm. |

attribute **ExportReportOptions/@ReportPageWidth**

|            |                                                                                                                                                                         |
|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| type       | <a href="#">LinearDimensionType</a>                                                                                                                                     |
| annotation | documentation<br>Report page size (height and width combined) can be a minimum of A5 to max of A3; this includes US sizes of letter, legal, and tabloid. Default = 8.5" |

attribute **ExportReportOptions/@ReportPageHeight**

|            |                                                                                                                                                                       |
|------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| type       | <a href="#">LinearDimensionType</a>                                                                                                                                   |
| annotation | documentation<br>Report page size (height and width combined) can be a minimum of A5 to max of A3, this includes US sizes of letter, legal and tabloid. Default = 11" |

element **ExportReportToPDF**

|            |                                     |                                     |     |                    |       |                                                                                                                                                                                                       |
|------------|-------------------------------------|-------------------------------------|-----|--------------------|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| properties | content    complex                  |                                     |     |                    |       |                                                                                                                                                                                                       |
| children   | <a href="#">ExportReportOptions</a> |                                     |     |                    |       |                                                                                                                                                                                                       |
| used by    | element <a href="#">Run</a>         |                                     |     |                    |       |                                                                                                                                                                                                       |
| attributes | Name                                | Type                                | Use | Default            | Fixed | Annotation                                                                                                                                                                                            |
|            | <a href="#">Name</a>                | <a href="#">TextType</a> <b>Max</b> |     | ExportReportToPDF  |       | <a href="#">documentation</a><br>A user-definable name for the Command Event. If not supplied, defaults to "ExportReportToPDF". Up to 250 characters.                                                 |
|            | <a href="#">ExportToZipFile</a>     | <b>xs:boolean</b>                   |     | false              |       | <a href="#">documentation</a><br>If supplied and True, the DestinationFolder is ignored and the exported file(s) are included in the zip file exported by the next ExportZipFile command encountered. |
|            | <a href="#">DestinationFolder</a>   | <a href="#">TextType</a> <b>Max</b> |     |                    |       | <a href="#">documentation</a><br>The destination for the exported file. Required unless ExportToZipFile = True.                                                                                       |
|            | <a href="#">FilenameFormat</a>      | <a href="#">TextType</a> <b>Max</b> |     | &lt;PROJECT.ID&gt; |       | <a href="#">documentation</a><br>Default may be set by preference exportAny.ExportFilenameFormat                                                                                                      |
|            | <a href="#">isSelected</a>          | <b>xs:boolean</b>                   |     | true               |       |                                                                                                                                                                                                       |

attribute **ExportReportToPDF/@Name**

|      |                                     |
|------|-------------------------------------|
| type | <a href="#">TextType</a> <b>Max</b> |
|------|-------------------------------------|

|            |                                                                                                                                       |       |            |
|------------|---------------------------------------------------------------------------------------------------------------------------------------|-------|------------|
| properties | default    ExportReportToPDF                                                                                                          |       |            |
| facets     | Kind                                                                                                                                  | Value | Annotation |
|            | minLength                                                                                                                             | 0     |            |
|            | maxLength                                                                                                                             | 250   |            |
| annotation | documentation<br>A user-definable name for the Command Event. If not supplied, defaults to "ExportReportToPDF". Up to 250 characters. |       |            |

## element **ExportReportToPrinter**

|            |                                     |                                              |     |                       |       |                                                                                                                                                                     |
|------------|-------------------------------------|----------------------------------------------|-----|-----------------------|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| properties | content    complex                  |                                              |     |                       |       |                                                                                                                                                                     |
| children   | <a href="#">ExportReportOptions</a> |                                              |     |                       |       |                                                                                                                                                                     |
| used by    | element <a href="#">Run</a>         |                                              |     |                       |       |                                                                                                                                                                     |
| attributes | Name                                | Type                                         | Use | Default               | Fixed | Annotation                                                                                                                                                          |
|            | <a href="#">Name</a>                | <a href="#">TextType</a> <a href="#">Max</a> |     | ExportReportToPrinter |       | documentation<br>A user-definable name for the Command Event. If not supplied, defaults to "ExportReportToPrinter". Up to 250 characters.                           |
|            | <a href="#">isSelected</a>          | <b>xs:boolean</b>                            |     | true                  |       |                                                                                                                                                                     |
|            | <a href="#">ExportToZipFile</a>     | <b>xs:boolean</b>                            |     | false                 |       |                                                                                                                                                                     |
|            | <a href="#">PrinterName</a>         | <a href="#">TextType</a> <a href="#">Max</a> |     |                       |       | documentation<br>The operating system assigned name of the printer to print the report on. A blank entry will use the system default printer. Up to 250 characters. |

## attribute **ExportReportToPrinter/@Name**

|            |                                                                                                                                           |                       |            |
|------------|-------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|------------|
| type       | <a href="#">TextType</a> <a href="#">Max</a>                                                                                              |                       |            |
| properties | default                                                                                                                                   | ExportReportToPrinter |            |
| facets     | Kind                                                                                                                                      | Value                 | Annotation |
|            | minLength                                                                                                                                 | 0                     |            |
|            | maxLength                                                                                                                                 | 250                   |            |
| annotation | documentation<br>A user-definable name for the Command Event. If not supplied, defaults to "ExportReportToPrinter". Up to 250 characters. |                       |            |

## attribute **ExportReportToPrinter/@isSelected**

|            |                   |      |  |  |
|------------|-------------------|------|--|--|
| type       | <b>xs:boolean</b> |      |  |  |
| properties | default           | true |  |  |

## attribute **ExportReportToPrinter/@ExportToZipFile**

|            |                   |       |  |  |
|------------|-------------------|-------|--|--|
| type       | <b>xs:boolean</b> |       |  |  |
| properties | default           | false |  |  |

attribute **ExportReportToPrinter/@PrinterName**

|            |                                                                                                                                                                     |       |            |
|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------------|
| type       | <a href="#">TextType Max</a>                                                                                                                                        |       |            |
| facets     | Kind                                                                                                                                                                | Value | Annotation |
|            | minLength                                                                                                                                                           | 0     |            |
|            | maxLength                                                                                                                                                           | 250   |            |
| annotation | documentation<br>The operating system assigned name of the printer to print the report on. A blank entry will use the system default printer. Up to 250 characters. |       |            |

element **ExportZipFile**

|            |                                     |                                      |          |                          |       |                                                                                                                                                                                                                                                                                  |
|------------|-------------------------------------|--------------------------------------|----------|--------------------------|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| properties | content complex                     |                                      |          |                          |       |                                                                                                                                                                                                                                                                                  |
| children   | <a href="#">ExportReportOptions</a> |                                      |          |                          |       |                                                                                                                                                                                                                                                                                  |
| used by    | element <a href="#">Run</a>         |                                      |          |                          |       |                                                                                                                                                                                                                                                                                  |
| attributes | Name<br><a href="#">Name</a>        | Type<br><a href="#">TextType Max</a> | Use      | Default<br>ExportZipFile | Fixed | Annotation<br>documentation<br>A user-definable name for the Command Event. If not supplied, defaults to "ExportZipFile". Up to 250 characters.                                                                                                                                  |
|            | <a href="#">isSelected</a>          | <b>xs:boolean</b>                    |          | true                     |       |                                                                                                                                                                                                                                                                                  |
|            | <a href="#">DestinationFolder</a>   | <a href="#">TextType Max</a>         | required |                          |       | documentation<br>The destination for the exported zip file. The zip file will contain the files from all export commands with ExportToZipFile = True since the first export command or since the last ExportZipFile command (if there was a previous one). Up to 250 characters. |
|            | <a href="#">FilenameFormat</a>      | <a href="#">TextType Max</a>         |          | &lt;PROJECT.ID&gt;       |       | documentation<br>Default may be set by preference exportAny.ExportFilenameFormat. Up to 250 characters.                                                                                                                                                                          |
|            | <a href="#">EnablePutToURL</a>      | <b>xs:boolean</b>                    |          | false                    |       | documentation<br>Pace Only                                                                                                                                                                                                                                                       |

attribute **ExportZipFile/@Name**

|            |                                                                                                                                   |               |            |
|------------|-----------------------------------------------------------------------------------------------------------------------------------|---------------|------------|
| type       | <a href="#">TextType Max</a>                                                                                                      |               |            |
| properties | default                                                                                                                           | ExportZipFile |            |
| facets     | Kind                                                                                                                              | Value         | Annotation |
|            | minLength                                                                                                                         | 0             |            |
|            | maxLength                                                                                                                         | 250           |            |
| annotation | documentation<br>A user-definable name for the Command Event. If not supplied, defaults to "ExportZipFile". Up to 250 characters. |               |            |

attribute **ExportZipFile/@isSelected**

|            |                   |      |  |
|------------|-------------------|------|--|
| type       | <b>xs:boolean</b> |      |  |
| properties | default           | true |  |

attribute **ExportZipFile/@DestinationFolder**

|            |                                                                                                                                                                                                                                                                                  |          |            |
|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|------------|
| type       | <a href="#">TextType Max</a>                                                                                                                                                                                                                                                     |          |            |
| properties | use                                                                                                                                                                                                                                                                              | required |            |
| facets     | Kind                                                                                                                                                                                                                                                                             | Value    | Annotation |
|            | minLength                                                                                                                                                                                                                                                                        | 0        |            |
|            | maxLength                                                                                                                                                                                                                                                                        | 250      |            |
| annotation | documentation<br>The destination for the exported zip file. The zip file will contain the files from all export commands with ExportToZipFile = True since the first export command or since the last ExportZipFile command (if there was a previous one). Up to 250 characters. |          |            |

attribute **ExportZipFile/@FilenameFormat**

|            |                                                                                                         |                    |            |
|------------|---------------------------------------------------------------------------------------------------------|--------------------|------------|
| type       | <a href="#">TextType Max</a>                                                                            |                    |            |
| properties | default                                                                                                 | &lt;PROJECT.ID&gt; |            |
| facets     | Kind                                                                                                    | Value              | Annotation |
|            | minLength                                                                                               | 0                  |            |
|            | maxLength                                                                                               | 250                |            |
| annotation | documentation<br>Default may be set by preference exportAny.ExportFilenameFormat. Up to 250 characters. |                    |            |

attribute **ExportZipFile/@EnablePutToURL**

|            |                            |       |  |
|------------|----------------------------|-------|--|
| type       | xs:boolean                 |       |  |
| properties | default                    | false |  |
| annotation | documentation<br>Pace Only |       |  |

element **ExternalFoldMarks**

|            |                        |                                                    |          |         |       |                                                                                                                                                                                                                     |
|------------|------------------------|----------------------------------------------------|----------|---------|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| properties | content complex        |                                                    |          |         |       |                                                                                                                                                                                                                     |
| children   | <a href="#">InkRef</a> |                                                    |          |         |       |                                                                                                                                                                                                                     |
| used by    | element                | <a href="#">ResourcePool</a>                       |          |         |       |                                                                                                                                                                                                                     |
| attributes | Name                   | Type                                               | Use      | Default | Fixed | Annotation                                                                                                                                                                                                          |
|            | <a href="#">ID</a>     | <a href="#">RefIDType</a>                          | required |         |       | documentation<br>An identifier for the element, unique within the scope of the MXML document. The ID attribute can be used as a reference to the element from elsewhere in the MXML document. Up to 250 characters. |
|            | <a href="#">Length</a> | <a href="#">LinearDimension TrimMarkLengthType</a> | required |         |       | documentation<br>The fold mark length. 0 (zero) length turns off external                                                                                                                                           |

|  |                                         |                                                    |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|--|-----------------------------------------|----------------------------------------------------|----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | <a href="#">DistanceFromPageTrim</a>    | <a href="#">LinearDimension TrimMarkLengthType</a> | required | fold marks.<br>documentation<br>The distance from the page trim to the beginning of the fold mark.<br>documentation<br>The mark thickness or weight in points.<br>documentation<br>When True, fold marks will overprint page content.<br>documentation<br>When True, the marks print in All Separations. If False, the InkRef will refer to the Ink element the marks should print.<br>documentation<br>Used when exporting. Defines the thickness of the knockout area for line marks relative to the thickness of the line marks.<br>documentation<br>The fold mark line type. |
|  | <a href="#">ThicknessPoints</a>         | <a href="#">PointsType MaxMarkThickness</a>        | required |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|  | <a href="#">OverPageContent</a>         | xs:boolean                                         | required |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|  | <a href="#">AllSeparations</a>          | xs:boolean                                         | required |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|  | <a href="#">KnockoutThicknessFactor</a> | <a href="#">WhiteKnockoutThicknessFactorType</a>   | None     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|  | <a href="#">LineType</a>                | <a href="#">MarkLineTypeType</a>                   | required |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |

attribute **ExternalFoldMarks/@ID**

|            |                                                                                                                                                                                                                     |       |            |
|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------------|
| type       | <a href="#">RefIDType</a>                                                                                                                                                                                           |       |            |
| properties | use required                                                                                                                                                                                                        |       |            |
| facets     | Kind                                                                                                                                                                                                                | Value | Annotation |
|            | minLength                                                                                                                                                                                                           | 0     |            |
|            | maxLength                                                                                                                                                                                                           | 250   |            |
| annotation | documentation<br>An identifier for the element, unique within the scope of the MXML document. The ID attribute can be used as a reference to the element from elsewhere in the MXML document. Up to 250 characters. |       |            |

attribute **ExternalFoldMarks/@Length**

|            |                                                    |       |            |
|------------|----------------------------------------------------|-------|------------|
| type       | <a href="#">LinearDimension TrimMarkLengthType</a> |       |            |
| properties | use required                                       |       |            |
| facets     | Kind                                               | Value | Annotation |
|            | minInclusive                                       | 0     |            |
|            | maxInclusive                                       | 2540  |            |

|            |                                                                                       |
|------------|---------------------------------------------------------------------------------------|
| annotation | documentation<br>The fold mark length. 0 (zero) length turns off external fold marks. |
|------------|---------------------------------------------------------------------------------------|

#### attribute **ExternalFoldMarks/@DistanceFromPageTrim**

|            |                                                                                     |       |            |
|------------|-------------------------------------------------------------------------------------|-------|------------|
| type       | <a href="#">LinearDimension TrimMarkLengthType</a>                                  |       |            |
| properties | use required                                                                        |       |            |
| facets     | Kind                                                                                | Value | Annotation |
|            | minInclusive                                                                        | 0     |            |
|            | maxInclusive                                                                        | 2540  |            |
| annotation | documentation<br>The distance from the page trim to the beginning of the fold mark. |       |            |

#### attribute **ExternalFoldMarks/@LineType**

|            |                                           |        |            |
|------------|-------------------------------------------|--------|------------|
| type       | <a href="#">MarkLineTypeType</a>          |        |            |
| properties | use required                              |        |            |
| facets     | Kind                                      | Value  | Annotation |
|            | enumeration                               | Solid  |            |
|            | enumeration                               | Dashed |            |
|            | enumeration                               | Dotted |            |
| annotation | documentation<br>The fold mark line type. |        |            |

#### element **ExternalFoldMarks/InkRef**

|            |                                                                               |                           |     |         |       |            |
|------------|-------------------------------------------------------------------------------|---------------------------|-----|---------|-------|------------|
| type       | <a href="#">ResourceRefElementType</a>                                        |                           |     |         |       |            |
| properties | minOcc                                                                        | 0                         |     |         |       |            |
|            | maxOcc                                                                        | 1                         |     |         |       |            |
|            | content                                                                       | complex                   |     |         |       |            |
| attributes | Name                                                                          | Type                      | Use | Default | Fixed | Annotation |
|            | <a href="#">rRef</a>                                                          | <a href="#">RefIDType</a> |     |         |       |            |
| annotation | documentation<br>Required if AllSeparations is False, otherwise not required. |                           |     |         |       |            |

#### element **ExternalFoldMarksRef**

|            |                      |                                             |     |         |       |            |
|------------|----------------------|---------------------------------------------|-----|---------|-------|------------|
| properties | content              | complex                                     |     |         |       |            |
| used by    | element              | <a href="#">ExportCompleteJDFImposition</a> |     |         |       |            |
|            | group                | <a href="#">GroupMemImposition</a>          |     |         |       |            |
| attributes | Name                 | Type                                        | Use | Default | Fixed | Annotation |
|            | <a href="#">rRef</a> | <a href="#">RefIDType</a>                   |     |         |       |            |

#### attribute **ExternalFoldMarksRef/@rRef**

|        |                           |       |            |
|--------|---------------------------|-------|------------|
| type   | <a href="#">RefIDType</a> |       |            |
| facets | Kind                      | Value | Annotation |
|        | minLength                 | 0     |            |
|        | maxLength                 | 250   |            |

## element **FileMark**

|            |                                                           |                                      |          |         |       |                                                                                       |
|------------|-----------------------------------------------------------|--------------------------------------|----------|---------|-------|---------------------------------------------------------------------------------------|
| properties | content complex                                           |                                      |          |         |       |                                                                                       |
| children   | <a href="#">MarkFileRef</a>                               |                                      |          |         |       |                                                                                       |
| used by    | elements <a href="#">MarkPool</a> <a href="#">MarkSet</a> |                                      |          |         |       |                                                                                       |
| attributes | Name                                                      | Type                                 | Use      | Default | Fixed | Annotation                                                                            |
|            | <a href="#">Height</a>                                    | <a href="#">LinearDimensionType</a>  |          |         |       | documentation<br>Not used for<br>FileWidthVariableHeight,<br>FixedWidthVariableHeight |
|            | <a href="#">Sizing</a>                                    | <a href="#">MarkSizingPolicyType</a> | required |         |       |                                                                                       |
|            | <a href="#">Width</a>                                     | <a href="#">LinearDimensionType</a>  |          |         |       | documentation<br>Not used for<br>FixedHeightVariableWidth,<br>FileHeightVariableWidth |
|            | <a href="#">CenterImage</a>                               | <b>xs:boolean</b>                    | required |         |       |                                                                                       |

## attribute **FileMark/@CenterImage**

|            |                   |
|------------|-------------------|
| type       | <b>xs:boolean</b> |
| properties | use required      |

## element **FileMark/MarkFileRef**

|            |                                        |                           |     |         |       |            |
|------------|----------------------------------------|---------------------------|-----|---------|-------|------------|
| type       | <a href="#">ResourceRefElementType</a> |                           |     |         |       |            |
| properties | content complex                        |                           |     |         |       |            |
| attributes | Name                                   | Type                      | Use | Default | Fixed | Annotation |
|            | <a href="#">rRef</a>                   | <a href="#">RefIDType</a> |     |         |       |            |

## element **Fold**

|            |                                                     |                              |          |         |       |            |
|------------|-----------------------------------------------------|------------------------------|----------|---------|-------|------------|
| properties | content complex                                     |                              |          |         |       |            |
| used by    | complexType <a href="#">FoldingSchemeDefinition</a> |                              |          |         |       |            |
| attributes | Name                                                | Type                         | Use      | Default | Fixed | Annotation |
|            | <a href="#">From</a>                                | <a href="#">FoldFromType</a> | required |         |       |            |
|            | <a href="#">Direction</a>                           | <a href="#">FoldDirType</a>  | required |         |       |            |
|            | <a href="#">Position</a>                            | <b>xs:int</b>                | required |         |       |            |

## attribute **Fold/@From**

|            |                              |        |            |  |  |  |
|------------|------------------------------|--------|------------|--|--|--|
| type       | <a href="#">FoldFromType</a> |        |            |  |  |  |
| properties | use required                 |        |            |  |  |  |
| facets     | Kind                         | Value  | Annotation |  |  |  |
|            | enumeration                  | Top    |            |  |  |  |
|            | enumeration                  | Bottom |            |  |  |  |
|            | enumeration                  | Left   |            |  |  |  |
|            | enumeration                  | Right  |            |  |  |  |

## attribute **Fold/@Direction**

|      |                             |
|------|-----------------------------|
| type | <a href="#">FoldDirType</a> |
|------|-----------------------------|

|            |                                    |                     |            |
|------------|------------------------------------|---------------------|------------|
| properties | use required                       |                     |            |
| facets     | Kind<br>enumeration<br>enumeration | Value<br>Up<br>Down | Annotation |

attribute **Fold/@Position**

|            |              |
|------------|--------------|
| type       | xs:int       |
| properties | use required |

element **FoldingScheme**

|                      |                                                                  |                |                                                                                           |            |
|----------------------|------------------------------------------------------------------|----------------|-------------------------------------------------------------------------------------------|------------|
| type<br>alternatives | Test<br>count(attribute::*) eq '2'<br>count(attribute::*) gt '2' | XPathDefaultNs | Type<br><a href="#">FoldingSchemeReference</a><br><a href="#">FoldingSchemeDefinition</a> | Annotation |
| used by              | element <a href="#">ResourcePool</a>                             |                |                                                                                           |            |

element **FrontInkPool**

|            |                                                                   |
|------------|-------------------------------------------------------------------|
| properties | content complex                                                   |
| children   | <a href="#">InkRef</a>                                            |
| used by    | elements <a href="#">Component</a> <a href="#">ComponentHints</a> |

element **FrontInkPool/InkRef**

|            |                                                 |                                   |     |         |       |            |
|------------|-------------------------------------------------|-----------------------------------|-----|---------|-------|------------|
| type       | <a href="#">ResourceRefElementType</a>          |                                   |     |         |       |            |
| properties | minOcc 1<br>maxOcc unbounded<br>content complex |                                   |     |         |       |            |
| attributes | Name<br><a href="#">rRef</a>                    | Type<br><a href="#">RefIDType</a> | Use | Default | Fixed | Annotation |

element **HotFolder**

|            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| properties | content complex                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| used by    | element <a href="#">CommandPool</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| attributes | <div> <div> Name<br/><a href="#">Name</a> </div> <div> Type<br/><a href="#">TextType</a> <b>Max</b> </div> <div>Use</div> <div>Default<br/>HotFolder</div> <div>Fixed</div> <div> Annotation<br/>documentation<br/>A user-definable name for the Command Event. If not supplied, defaults to "HotFolder". Up to 250 characters.<br/>documentation<br/>The name of the folder to watch for incoming MXML files. Up to 250 characters. </div> </div> <div> <div><a href="#">InputFolder</a></div> <div><a href="#">TextType</a> <b>Max</b></div> <div>required</div> </div> |

|  |                                  |                              |          |                                                                                                                                                                                                                                                                                                                                                                                                            |
|--|----------------------------------|------------------------------|----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | <a href="#">ProcessingFolder</a> | <a href="#">TextType Max</a> | <empty>  | <a href="#">documentation</a><br>The name of the folder Metrix moves consumed incoming MXML files to for processing. If specified, OutputFolder is ignored. Up to 250 characters.                                                                                                                                                                                                                          |
|  | <a href="#">OutputFolder</a>     | <a href="#">TextType Max</a> | <empty>  | <a href="#">documentation</a><br>Deprecated in MXML 1.5.1 (Metrix 2012.0), use ProcessingFolder instead. The name of the folder Metrix moves consumed incoming MXML files to for processing. Only used if ProcessingFolder was not specified. Up to 250 characters.                                                                                                                                        |
|  | <a href="#">FailedFolder</a>     | <a href="#">TextType Max</a> | required | <a href="#">documentation</a><br>The name of the folder Metrix moves incoming MXML files after processing if the project cannot be executed for some reason (e.g., if the MXML cannot be parsed, if required content files are not available, or if something unexpected goes wrong during processing). A copy of the log file for the failed project is also copied to this folder. Up to 250 characters. |
|  | <a href="#">CompletedFolder</a>  | <a href="#">TextType Max</a> | required | <a href="#">documentation</a><br>The name of the folder Metrix moves the incoming MXML file to after successfully processing. Up to 250 characters.                                                                                                                                                                                                                                                        |

|  |                                          |                              |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|--|------------------------------------------|------------------------------|----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | <a href="#">LogFolder</a>                | <a href="#">TextType Max</a> | required | <p>documentation</p> <p>The name of the folder to which Metrix writes log files. Up to 250 characters.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|  | <a href="#">OverwriteProjectIfExists</a> | <b>xs:boolean</b>            | false    | <p>documentation</p> <p>All projects must have a unique ProjectID; however, if a hotfolder consumes an MXML project and a project with that ID already exists in the Metrix database, then by default this new project will have the original ID with brackets and a unique number automatically added to the new project's ID. For example, if project "JobXYZ" already exists, then the new project will be called "JobXYZ (2)".</p> <p>This attribute can be used to allow the original project to be overwritten by the new one, retaining the original ProjectID. This attribute can be used at the Project level, in which case it will only apply to that project. Alternatively, it can be used in the HotFolder element and thereby apply to all projects consumed by that HotFolder.</p> |
|  | <a href="#">Broadcast</a>                | <b>xs:boolean</b>            | false    | <p>documentation</p> <p>Whether or not the Metrix Automation Server or Automation Lite/LitePro/Pro running the</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

|            |                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|            | <div> <div> <a href="#">Description</a> </div> <div> <a href="#">TextType_Max</a> </div> </div> <div> <div> <a href="#">WindowsNetworkPathToInput</a> </div> <div> <a href="#">TextType_Max</a> </div> </div> <div> <div> <a href="#">MacNetworkPathToInput</a> </div> <div> <a href="#">TextType_Max</a> </div> </div> | <p>HotFolder should let all Metrix clients know it's running so they can send projects to it. documentation Required if Broadcast=True. The description of the Automation Workflow this HotFolder consumes files for. This description is displayed within Metrix clients to help users decide which Automation Workflow to send a project to. Up to 250 characters. documentation Required if Broadcast=True. The network path Metrix clients running on Windows can use to send projects to this HotFolders input folder. documentation Required if Broadcast=True. The network path Metrix clients running on Windows can use to send projects to this HotFolders input folder.</p> |
| annotation | <p>documentation</p> <p>One of ProcessingFolder or OutputFolder is required.</p>                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |

attribute **HotFolder/@Name**

|            |                                                                                                                               |           |            |
|------------|-------------------------------------------------------------------------------------------------------------------------------|-----------|------------|
| type       | <a href="#">TextType Max</a>                                                                                                  |           |            |
| properties | default                                                                                                                       | HotFolder |            |
| facets     | Kind                                                                                                                          | Value     | Annotation |
|            | minLength                                                                                                                     | 0         |            |
|            | maxLength                                                                                                                     | 250       |            |
| annotation | documentation<br>A user-definable name for the Command Event. If not supplied, defaults to "HotFolder". Up to 250 characters. |           |            |

attribute **HotFolder/@InputFolder**

|            |                                                                                                 |       |            |
|------------|-------------------------------------------------------------------------------------------------|-------|------------|
| type       | <a href="#">TextType Max</a>                                                                    |       |            |
| properties | use required                                                                                    |       |            |
| facets     | Kind                                                                                            | Value | Annotation |
|            | minLength                                                                                       | 0     |            |
|            | maxLength                                                                                       | 250   |            |
| annotation | documentation<br>The name of the folder to watch for incoming MXML files. Up to 250 characters. |       |            |

attribute **HotFolder/@ProcessingFolder**

|            |                                                                                                                                                                   |       |            |
|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------------|
| type       | <a href="#">TextType Max</a>                                                                                                                                      |       |            |
| properties | default <empty>                                                                                                                                                   |       |            |
| facets     | Kind                                                                                                                                                              | Value | Annotation |
|            | minLength                                                                                                                                                         | 0     |            |
|            | maxLength                                                                                                                                                         | 250   |            |
| annotation | documentation<br>The name of the folder Metrix moves consumed incoming MXML files to for processing. If specified, OutputFolder is ignored. Up to 250 characters. |       |            |

attribute **HotFolder/@OutputFolder**

|            |                                                                                                                                                                                                                                                        |       |            |
|------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------------|
| type       | <a href="#">TextType Max</a>                                                                                                                                                                                                                           |       |            |
| properties | default <empty>                                                                                                                                                                                                                                        |       |            |
| facets     | Kind                                                                                                                                                                                                                                                   | Value | Annotation |
|            | minLength                                                                                                                                                                                                                                              | 0     |            |
|            | maxLength                                                                                                                                                                                                                                              | 250   |            |
| annotation | documentation<br>Deprecated in MXML 1.5.1 (Metrix 2012.0), use ProcessingFolder instead.<br>The name of the folder Metrix moves consumed incoming MXML files to for processing. Only used if ProcessingFolder was not specified. Up to 250 characters. |       |            |

attribute **HotFolder/@FailedFolder**

|            |                                                                                                                                                                                                                                                                                                                                                                                            |       |            |
|------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------------|
| type       | <a href="#">TextType Max</a>                                                                                                                                                                                                                                                                                                                                                               |       |            |
| properties | use required                                                                                                                                                                                                                                                                                                                                                                               |       |            |
| facets     | Kind                                                                                                                                                                                                                                                                                                                                                                                       | Value | Annotation |
|            | minLength                                                                                                                                                                                                                                                                                                                                                                                  | 0     |            |
|            | maxLength                                                                                                                                                                                                                                                                                                                                                                                  | 250   |            |
| annotation | documentation<br>The name of the folder Metrix moves incoming MXML files after processing if the project cannot be executed for some reason (e.g., if the MXML cannot be parsed, if required content files are not available, or if something unexpected goes wrong during processing). A copy of the log file for the failed project is also copied to this folder. Up to 250 characters. |       |            |

attribute **HotFolder/@CompletedFolder**

|            |                              |       |            |
|------------|------------------------------|-------|------------|
| type       | <a href="#">TextType Max</a> |       |            |
| properties | use required                 |       |            |
| facets     | Kind                         | Value | Annotation |
|            | minLength                    | 0     |            |
|            | maxLength                    | 250   |            |

|            |                                                                                                                                     |
|------------|-------------------------------------------------------------------------------------------------------------------------------------|
| annotation | documentation<br>The name of the folder Metrix moves the incoming MXML file to after successfully processing. Up to 250 characters. |
|------------|-------------------------------------------------------------------------------------------------------------------------------------|

#### attribute **HotFolder/@LogFolder**

|            |                                                                                                 |          |            |
|------------|-------------------------------------------------------------------------------------------------|----------|------------|
| type       | <a href="#">TextType Max</a>                                                                    |          |            |
| properties | use                                                                                             | required |            |
| facets     | Kind                                                                                            | Value    | Annotation |
|            | minLength                                                                                       | 0        |            |
|            | maxLength                                                                                       | 250      |            |
| annotation | documentation<br>The name of the folder to which Metrix writes log files. Up to 250 characters. |          |            |

#### attribute **HotFolder/@OverwriteProjectIfExists**

|            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| type       | <b>xs:boolean</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| properties | default false                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| annotation | documentation<br>All projects must have a unique ProjectID; however, if a hotfolder consumes an MXML project and a project with that ID already exists in the Metrix database, then by default this new project will have the original ID with brackets and a unique number automatically added to the new project's ID. For example, if project "JobXYZ" already exists, then the new project will be called "JobXYZ (2)". This attribute can be used to allow the original project to be overwritten by the new one, retaining the original ProjectID. This attribute can be used at the Project level, in which case it will only apply to that project. Alternatively, it can be used in the HotFolder element and thereby apply to all projects consumed by that HotFolder. |

#### attribute **HotFolder/@Broadcast**

|            |                                                                                                                                                                                                    |
|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| type       | <b>xs:boolean</b>                                                                                                                                                                                  |
| properties | default false                                                                                                                                                                                      |
| annotation | documentation<br>Whether or not the Metrix Automation Server or Automation Lite/LitePro/Pro running the HotFolder should let all Metrix clients know it's running so they can send projects to it. |

#### attribute **HotFolder/@Description**

|            |                                                                                                                                                                                                                                                                           |       |            |
|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------------|
| type       | <a href="#">TextType Max</a>                                                                                                                                                                                                                                              |       |            |
| facets     | Kind                                                                                                                                                                                                                                                                      | Value | Annotation |
|            | minLength                                                                                                                                                                                                                                                                 | 0     |            |
|            | maxLength                                                                                                                                                                                                                                                                 | 250   |            |
| annotation | documentation<br>Required if Broadcast=True. The description of the Automation Workflow this HotFolder consumes files for. This description is displayed within Metrix clients to help users decide which Automation Workflow to send a project to. Up to 250 characters. |       |            |

#### attribute **HotFolder/@WindowsNetworkPathToInput**

|            |                                                                                                                                                          |       |            |
|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------------|
| type       | <a href="#">TextType Max</a>                                                                                                                             |       |            |
| facets     | Kind                                                                                                                                                     | Value | Annotation |
|            | minLength                                                                                                                                                | 0     |            |
|            | maxLength                                                                                                                                                | 250   |            |
| annotation | documentation<br>Required if Broadcast=True. The network path Metrix clients running on Windows can use to send projects to this HotFolders input folder |       |            |

attribute **HotFolder/@MacNetworkPathToInput**

|            |                                                                                                                                                           |                   |            |
|------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|------------|
| type       | <a href="#">TextType_Max</a>                                                                                                                              |                   |            |
| facets     | Kind<br>minLength<br>maxLength                                                                                                                            | Value<br>0<br>250 | Annotation |
| annotation | documentation<br>Required if Broadcast=True. The network path Metrix clients running on Windows can use to send projects to this HotFolders input folder. |                   |            |

element **Ink**

|            |                                      |                                   |                 |         |       |                                                                                                                                                                                                                                              |
|------------|--------------------------------------|-----------------------------------|-----------------|---------|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| properties | content    complex                   |                                   |                 |         |       |                                                                                                                                                                                                                                              |
| children   | <a href="#">CMYKColorRef</a>         |                                   |                 |         |       |                                                                                                                                                                                                                                              |
| used by    | element <a href="#">ResourcePool</a> |                                   |                 |         |       |                                                                                                                                                                                                                                              |
| attributes | Name<br><a href="#">ID</a>           | Type<br><a href="#">RefIDType</a> | Use<br>required | Default | Fixed | Annotation<br>documentation<br>An identifier for the element, unique within the scope of the MXML document. The ID attribute can be used as a reference to the element from elsewhere in the MXML document. Up to 250 characters.            |
|            | <a href="#">MIS_ID</a>               | <a href="#">TextType_Max</a>      |                 |         |       | documentation<br>A globally unique identifier (GUID) for the ink that identifies the ink to the originating MIS system. If not supplied, defaults to an empty string. If supplied, will not be editable within Metrix. Up to 250 characters. |
|            | <a href="#">Name</a>                 | <a href="#">TextType_Short</a>    | required        |         |       | documentation<br>The unique name of the ink. Up to 30 characters.                                                                                                                                                                            |
|            | <a href="#">Type</a>                 | derived by:<br>xs:string          | required        |         |       | documentation<br>The type of ink.                                                                                                                                                                                                            |
|            | <a href="#">UV</a>                   | xs:boolean                        |                 | false   |       | documentation<br>If True, Ink is UV. Requires Press with UV support.                                                                                                                                                                         |

|  |  |
|--|--|
|  |  |
|--|--|

#### attribute **Ink/@ID**

|            |                                                                                                                                                                                                                     |       |            |
|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------------|
| type       | <a href="#">RefIDType</a>                                                                                                                                                                                           |       |            |
| properties | use required                                                                                                                                                                                                        |       |            |
| facets     | Kind                                                                                                                                                                                                                | Value | Annotation |
|            | minLength                                                                                                                                                                                                           | 0     |            |
|            | maxLength                                                                                                                                                                                                           | 250   |            |
| annotation | documentation<br>An identifier for the element, unique within the scope of the MXML document. The ID attribute can be used as a reference to the element from elsewhere in the MXML document. Up to 250 characters. |       |            |

#### attribute **Ink/@MIS\_ID**

|            |                                                                                                                                                                                                                                              |       |            |
|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------------|
| type       | <a href="#">TextType Max</a>                                                                                                                                                                                                                 |       |            |
| facets     | Kind                                                                                                                                                                                                                                         | Value | Annotation |
|            | minLength                                                                                                                                                                                                                                    | 0     |            |
|            | maxLength                                                                                                                                                                                                                                    | 250   |            |
| annotation | documentation<br>A globally unique identifier (GUID) for the ink that identifies the ink to the originating MIS system. If not supplied, defaults to an empty string. If supplied, will not be editable within Metrix. Up to 250 characters. |       |            |

#### attribute **Ink/@Name**

|            |                                                                   |       |            |
|------------|-------------------------------------------------------------------|-------|------------|
| type       | <a href="#">TextType Short</a>                                    |       |            |
| properties | use required                                                      |       |            |
| facets     | Kind                                                              | Value | Annotation |
|            | minLength                                                         | 0     |            |
|            | maxLength                                                         | 30    |            |
| annotation | documentation<br>The unique name of the ink. Up to 30 characters. |       |            |

#### attribute **Ink/@Type**

|            |                                   |                |            |
|------------|-----------------------------------|----------------|------------|
| type       | restriction of <b>xs:string</b>   |                |            |
| properties | use required                      |                |            |
| facets     | Kind                              | Value          | Annotation |
|            | enumeration                       | ProcessCyan    |            |
|            | enumeration                       | ProcessMagenta |            |
|            | enumeration                       | ProcessYellow  |            |
|            | enumeration                       | ProcessBlack   |            |
|            | enumeration                       | SpotColor      |            |
|            | enumeration                       | Varnish        |            |
|            | enumeration                       | Coating        |            |
| annotation | documentation<br>The type of ink. |                |            |

attribute **Ink/@UV**

|            |                                                                      |
|------------|----------------------------------------------------------------------|
| type       | <b>xs:boolean</b>                                                    |
| properties | default false                                                        |
| annotation | documentation<br>If True, Ink is UV. Requires Press with UV support. |

element **Ink/CMYKColorRef**

|            |                                                                                                                                                                                                                                     |                                   |     |         |       |            |
|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|-----|---------|-------|------------|
| type       | <a href="#">ResourceRefElementType</a>                                                                                                                                                                                              |                                   |     |         |       |            |
| properties | content complex                                                                                                                                                                                                                     |                                   |     |         |       |            |
| attributes | Name<br><a href="#">rRef</a>                                                                                                                                                                                                        | Type<br><a href="#">RefIDType</a> | Use | Default | Fixed | Annotation |
| annotation | documentation<br>A reference to a CMYKColor element in the ResourcePool that can be used to represent this ink color on-screen. A reference element has a single rRef attribute matching the ID attribute of the CMYKColor element. |                                   |     |         |       |            |

element **InternalFoldMarks**

|            |                                          |                                                    |                 |         |       |                                                                                                                                                                                                                                   |
|------------|------------------------------------------|----------------------------------------------------|-----------------|---------|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| properties | content complex                          |                                                    |                 |         |       |                                                                                                                                                                                                                                   |
| children   | <a href="#">InkRef</a>                   |                                                    |                 |         |       |                                                                                                                                                                                                                                   |
| used by    | element <a href="#">ResourcePool</a>     |                                                    |                 |         |       |                                                                                                                                                                                                                                   |
| attributes | Name<br><a href="#">ID</a>               | Type<br><a href="#">RefIDType</a>                  | Use<br>required | Default | Fixed | Annotation<br>documentation<br>An identifier for the element, unique within the scope of the MXML document. The ID attribute can be used as a reference to the element from elsewhere in the MXML document. Up to 250 characters. |
|            | <a href="#">MinimumLength</a>            | <a href="#">LinearDimension TrimMarkLengthType</a> | required        |         |       | documentation<br>The minimum fold mark length. 0 (zero) length turns off internal fold marks.                                                                                                                                     |
|            | <a href="#">MaximumLength</a>            | <a href="#">LinearDimension TrimMarkLengthType</a> | required        |         |       | documentation<br>The maximum fold mark length. 0 (zero) length turns off internal fold marks.                                                                                                                                     |
|            | <a href="#">CropDistanceFromPageTrim</a> | <a href="#">LinearDimension TrimMarkLengthType</a> | required        |         |       | documentation<br>The distance from the page trim to the                                                                                                                                                                           |

|  |                                         |                                                             |          |                                                                                                                                           |
|--|-----------------------------------------|-------------------------------------------------------------|----------|-------------------------------------------------------------------------------------------------------------------------------------------|
|  | <a href="#">ThicknessPoints</a>         | <a href="#">PointsType</a> <a href="#">MaxMarkThickness</a> | required | beginning of the fold mark. documentation The mark thickness or weight in points.                                                         |
|  | <a href="#">OverPageContent</a>         | <b>xs:boolean</b>                                           | required | documentation When True, fold marks will overprint page content.                                                                          |
|  | <a href="#">AllSeparations</a>          | <b>xs:boolean</b>                                           | required | documentation When True, the marks print in All Separations. If False, the InkRef will refer to the Ink element the marks should print.   |
|  | <a href="#">KnockoutThicknessFactor</a> | <a href="#">WhiteKnockoutThicknessFactorType</a>            | None     | documentation Used when exporting. Defines the thickness of the knockout area for line marks relative to the thickness of the line marks. |
|  | <a href="#">LineType</a>                | <a href="#">MarkLineTypeType</a>                            | required | documentation The fold mark line type.                                                                                                    |

attribute **InternalFoldMarks/@ID**

|            |                                                                                                                                                                                                                     |       |            |
|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------------|
| type       | <a href="#">RefIDType</a>                                                                                                                                                                                           |       |            |
| properties | use required                                                                                                                                                                                                        |       |            |
| facets     | Kind                                                                                                                                                                                                                | Value | Annotation |
|            | minLength                                                                                                                                                                                                           | 0     |            |
|            | maxLength                                                                                                                                                                                                           | 250   |            |
| annotation | documentation<br>An identifier for the element, unique within the scope of the MXML document. The ID attribute can be used as a reference to the element from elsewhere in the MXML document. Up to 250 characters. |       |            |

attribute **InternalFoldMarks/@MinimumLength**

|            |                                                                                               |       |            |
|------------|-----------------------------------------------------------------------------------------------|-------|------------|
| type       | <a href="#">LinearDimension</a> <a href="#">TrimMarkLengthType</a>                            |       |            |
| properties | use required                                                                                  |       |            |
| facets     | Kind                                                                                          | Value | Annotation |
|            | minInclusive                                                                                  | 0     |            |
|            | maxInclusive                                                                                  | 2540  |            |
| annotation | documentation<br>The minimum fold mark length. 0 (zero) length turns off internal fold marks. |       |            |

attribute **InternalFoldMarks/@MaximumLength**

|            |                                                                                               |          |            |
|------------|-----------------------------------------------------------------------------------------------|----------|------------|
| type       | <a href="#">LinearDimension</a> <a href="#">TrimMarkLengthType</a>                            |          |            |
| properties | use                                                                                           | required |            |
| facets     | Kind                                                                                          | Value    | Annotation |
|            | minInclusive                                                                                  | 0        |            |
|            | maxInclusive                                                                                  | 2540     |            |
| annotation | documentation<br>The maximum fold mark length. 0 (zero) length turns off internal fold marks. |          |            |

attribute **InternalFoldMarks/@CropDistanceFromPageTrim**

|            |                                                                                     |          |            |
|------------|-------------------------------------------------------------------------------------|----------|------------|
| type       | <a href="#">LinearDimension</a> <a href="#">TrimMarkLengthType</a>                  |          |            |
| properties | use                                                                                 | required |            |
| facets     | Kind                                                                                | Value    | Annotation |
|            | minInclusive                                                                        | 0        |            |
|            | maxInclusive                                                                        | 2540     |            |
| annotation | documentation<br>The distance from the page trim to the beginning of the fold mark. |          |            |

attribute **InternalFoldMarks/@LineType**

|            |                                           |        |            |
|------------|-------------------------------------------|--------|------------|
| type       | <a href="#">MarkLineTypeType</a>          |        |            |
| properties | use required                              |        |            |
| facets     | Kind                                      | Value  | Annotation |
|            | enumeration                               | Solid  |            |
|            | enumeration                               | Dashed |            |
|            | enumeration                               | Dotted |            |
| annotation | documentation<br>The fold mark line type. |        |            |

element **InternalFoldMarks/InkRef**

|            |                                                                               |                           |     |         |            |
|------------|-------------------------------------------------------------------------------|---------------------------|-----|---------|------------|
| type       | <a href="#">ResourceRefElementType</a>                                        |                           |     |         |            |
| properties | minOcc                                                                        | 0                         |     |         |            |
|            | maxOcc                                                                        | 1                         |     |         |            |
|            | content                                                                       | complex                   |     |         |            |
| attributes | Name                                                                          | Type                      | Use | Default | Fixed      |
|            | <a href="#">rRef</a>                                                          | <a href="#">RefIDType</a> |     |         | Annotation |
| annotation | documentation<br>Required if AllSeparations is False, otherwise not required. |                           |     |         |            |

element **InternalFoldMarksRef**

|            |                              |                                                                                   |     |         |       |            |
|------------|------------------------------|-----------------------------------------------------------------------------------|-----|---------|-------|------------|
| properties | content                      | complex                                                                           |     |         |       |            |
| used by    | element<br>group             | <a href="#">ExportCompleteJDFImposition</a><br><a href="#">GroupMemImposition</a> |     |         |       |            |
| attributes | Name<br><a href="#">rRef</a> | Type<br><a href="#">RefIDType</a>                                                 | Use | Default | Fixed | Annotation |

attribute **InternalFoldMarksRef/@rRef**

|      |                           |
|------|---------------------------|
| type | <a href="#">RefIDType</a> |
|------|---------------------------|

|        |           |       |            |
|--------|-----------|-------|------------|
| facets | Kind      | Value | Annotation |
|        | minLength | 0     |            |
|        | maxLength | 250   |            |

element **Layout**

|                      |                            |                                   |                                  |            |
|----------------------|----------------------------|-----------------------------------|----------------------------------|------------|
| type<br>alternatives | Test                       | XPathDefaultNs                    | Type                             | Annotation |
|                      | count(attribute::*) eq '1' |                                   | <a href="#">LayoutGuid</a>       |            |
|                      | count(attribute::*) gt '1' |                                   | <a href="#">LayoutDefinition</a> |            |
| used by              | elements                   | <a href="#">BestOf LayoutPool</a> |                                  |            |

element **LayoutPool**

|            |                                                                                                                                                                          |                         |
|------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|
| properties | content                                                                                                                                                                  | complex                 |
| children   | <a href="#">Layout AutoPlanHints</a>                                                                                                                                     |                         |
| used by    | element                                                                                                                                                                  | <a href="#">Project</a> |
| annotation | documentation<br>The parent element for all the project layout information. Required if the MXML document describes any layouts for the project; otherwise not required. |                         |

element **LineMark**

|            |                                                                                                                           |                                        |          |         |       |                                                                                                                    |
|------------|---------------------------------------------------------------------------------------------------------------------------|----------------------------------------|----------|---------|-------|--------------------------------------------------------------------------------------------------------------------|
| properties | content    complex                                                                                                        |                                        |          |         |       |                                                                                                                    |
| children   | <a href="#">AllSeparationsMarkColorRef</a> <a href="#">SpotColorMarkColorRef</a> <a href="#">ProcessColorMarkColorRef</a> |                                        |          |         |       |                                                                                                                    |
| used by    | elements <a href="#">MarkPool</a> <a href="#">MarkSet</a>                                                                 |                                        |          |         |       |                                                                                                                    |
| attributes | Name                                                                                                                      | Type                                   | Use      | Default | Fixed | Annotation                                                                                                         |
|            | <a href="#">HorizontalOffset</a>                                                                                          | <a href="#">LinearDimensionType</a>    | required |         |       | <a href="#">documentation</a><br>The horizontal offset amount of the mark from the lower-left corner of the sheet. |
|            | <a href="#">LayoutAnchorHorizontal</a>                                                                                    | <a href="#">MarkAnchorLocationType</a> | required |         |       | <a href="#">documentation</a><br>Horizontal anchor point on the layout.                                            |
|            | <a href="#">LayoutAnchorObject</a>                                                                                        | <a href="#">MarkAnchorObjectType</a>   | required |         |       | <a href="#">documentation</a><br>Mark is anchored relative to the selected object.                                 |
|            | <a href="#">LayoutAnchorVertical</a>                                                                                      | <a href="#">MarkAnchorLocationType</a> | required |         |       | <a href="#">documentation</a><br>Vertical anchor point on the layout.                                              |
|            | <a href="#">MarkAnchorHorizontal</a>                                                                                      | <a href="#">MarkAnchorLocationType</a> | required |         |       | <a href="#">documentation</a><br>Mark horizontal anchor point.                                                     |
|            | <a href="#">MarkAnchorVertical</a>                                                                                        | <a href="#">MarkAnchorLocationType</a> | required |         |       | <a href="#">documentation</a><br>Mark vertical anchor point.                                                       |
|            | <a href="#">MirrorBackup</a>                                                                                              | xs:boolean                             | required |         |       | <a href="#">documentation</a><br>When True, the position of the mark on the back mirrors the front.                |
|            | <a href="#">OverPageContent</a>                                                                                           | xs:boolean                             | required |         |       | <a href="#">documentation</a><br>When True, marks will overprint page content.                                     |
|            | <a href="#">Output</a>                                                                                                    | <a href="#">MarkOutputType</a>         | required |         |       | <a href="#">documentation</a><br>Mark output type.                                                                 |
|            | <a href="#">Placement</a>                                                                                                 | <a href="#">MarkPlacementType</a>      | required |         |       | <a href="#">documentation</a>                                                                                      |

|  |                                                 |                                                                             |          |                                                                                                                                                       |
|--|-------------------------------------------------|-----------------------------------------------------------------------------|----------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | <a href="#">VerticalOffset</a>                  | <a href="#">LinearDimensionType</a>                                         | required | Side(s) of the layout on which to place the mark.<br>documentation<br>The vertical offset amount of the mark from the lower-left corner of the sheet. |
|  | <a href="#">Height</a>                          | <a href="#">LinearDimensionType</a>                                         |          | documentation<br>Not used for<br>FileWidthVariableHeight,<br>FixedWidthVariableHeight                                                                 |
|  | <a href="#">Sizing</a><br><a href="#">Width</a> | <a href="#">MarkSizingPolicyType</a><br><a href="#">LinearDimensionType</a> | required | documentation<br>Not used for<br>FixedHeightVariableWidth,<br>FileHeightVariableWidth                                                                 |
|  | <a href="#">LineType</a>                        | <a href="#">MarkLineTypeType</a>                                            | required | documentation<br>The Line Mark line type.                                                                                                             |
|  | <a href="#">Slope</a>                           | <a href="#">MarkLineSlopeType</a>                                           | required | documentation<br>The direction of the slope of the line mark.                                                                                         |
|  | <a href="#">Thickness</a>                       | <b>derived by: xs:float</b>                                                 | required | documentation<br>Value is in Points                                                                                                                   |

#### attribute **LineMark/@LineType**

|            |                                           |                |            |
|------------|-------------------------------------------|----------------|------------|
| type       | <a href="#">MarkLineTypeType</a>          |                |            |
| properties | use required                              |                |            |
| facets     | Kind<br>enumeration                       | Value<br>Solid | Annotation |
|            | enumeration                               | Dashed         |            |
|            | enumeration                               | Dotted         |            |
| annotation | documentation<br>The Line Mark line type. |                |            |

#### attribute **LineMark/@Slope**

|            |                                                               |             |            |
|------------|---------------------------------------------------------------|-------------|------------|
| type       | <a href="#">MarkLineSlopeType</a>                             |             |            |
| properties | use required                                                  |             |            |
| facets     | Kind<br>enumeration                                           | Value<br>Up | Annotation |
|            | enumeration                                                   | Down        |            |
| annotation | documentation<br>The direction of the slope of the line mark. |             |            |

#### attribute **LineMark/@Thickness**

|            |                                     |            |            |
|------------|-------------------------------------|------------|------------|
| type       | restriction of <b>xs:float</b>      |            |            |
| properties | use required                        |            |            |
| facets     | Kind<br>minInclusive                | Value<br>0 | Annotation |
|            | maxInclusive                        | 200        |            |
| annotation | documentation<br>Value is in Points |            |            |

### element **LineMark/AllSeparationsMarkColorRef**

|            |                                                                                                                                                                                                                                                                                                             |                                   |     |         |       |            |
|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|-----|---------|-------|------------|
| type       | <a href="#">ResourceRefElementType</a>                                                                                                                                                                                                                                                                      |                                   |     |         |       |            |
| properties | content    complex                                                                                                                                                                                                                                                                                          |                                   |     |         |       |            |
| attributes | Name<br><a href="#">rRef</a>                                                                                                                                                                                                                                                                                | Type<br><a href="#">RefIDType</a> | Use | Default | Fixed | Annotation |
| annotation | documentation<br>If the mark is to be imaged in all separations, a reference to the relevant AllSeparationsMarkColor element in the ResourcePool.<br>The mark must have one and only one reference to a color element, either an AllSeparationsMarkColor, a SpotColorMarkColor, or a ProcessColorMarkColor. |                                   |     |         |       |            |

### element **LineMark/SpotColorMarkColorRef**

|            |                                                                                                                                                                                                                                                                                                     |                                   |     |         |       |            |
|------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|-----|---------|-------|------------|
| type       | <a href="#">ResourceRefElementType</a>                                                                                                                                                                                                                                                              |                                   |     |         |       |            |
| properties | content    complex                                                                                                                                                                                                                                                                                  |                                   |     |         |       |            |
| attributes | Name<br><a href="#">rRef</a>                                                                                                                                                                                                                                                                        | Type<br><a href="#">RefIDType</a> | Use | Default | Fixed | Annotation |
| annotation | documentation<br>If the mark is to be imaged in a spot color, a reference to the relevant SpotColorMarkColor element in the ResourcePool.<br>The mark must have one and only one reference to a color element, either an AllSeparationsMarkColor, a SpotColorMarkColor, or a ProcessColorMarkColor. |                                   |     |         |       |            |

### element **LineMark/ProcessColorMarkColorRef**

|            |                                                                                                                                                                                                                                                                                                          |                                   |     |         |       |            |
|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|-----|---------|-------|------------|
| type       | <a href="#">ResourceRefElementType</a>                                                                                                                                                                                                                                                                   |                                   |     |         |       |            |
| properties | content    complex                                                                                                                                                                                                                                                                                       |                                   |     |         |       |            |
| attributes | Name<br><a href="#">rRef</a>                                                                                                                                                                                                                                                                             | Type<br><a href="#">RefIDType</a> | Use | Default | Fixed | Annotation |
| annotation | documentation<br>If the mark is to be imaged in process colors, a reference to the relevant ProcessColorMarkColor element in the ResourcePool.<br>The mark must have one and only one reference to a color element, either an AllSeparationsMarkColor, a SpotColorMarkColor, or a ProcessColorMarkColor. |                                   |     |         |       |            |

### element **Logging**

|            |                                                                                                 |                                                                                        |                                     |                                            |       |                                                                                                                                                                                                                                                                                              |
|------------|-------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-------------------------------------|--------------------------------------------|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| properties | content    complex                                                                              |                                                                                        |                                     |                                            |       |                                                                                                                                                                                                                                                                                              |
| used by    | element <a href="#">Run</a>                                                                     |                                                                                        |                                     |                                            |       |                                                                                                                                                                                                                                                                                              |
| attributes | Name<br><a href="#">Name</a><br><br><a href="#">Debug</a><br><br><a href="#">SupportArchive</a> | Type<br><a href="#">TextType Max</a><br><br><b>xs:boolean</b><br><br><b>xs:boolean</b> | Use<br><br>required<br><br>optional | Default<br>SetProjectProperty<br><br>false | Fixed | Annotation<br>documentation<br>A user-definable name for the Command Event. If not supplied, defaults to "Logging". Up to 250 characters.<br>documentation<br>Determines whether or not debug logging is enabled.<br>documentation<br>Determines whether or not to create a support archive. |

|  |                                   |                              |          |       |                                                                                                                                                    |
|--|-----------------------------------|------------------------------|----------|-------|----------------------------------------------------------------------------------------------------------------------------------------------------|
|  | <a href="#">ContentFiles</a>      | <b>xs:boolean</b>            | optional | false | documentation<br>Determines whether or not to include content files in the support archive.<br>documentation<br>Required if SupportArchive is true |
|  | <a href="#">DestinationFolder</a> | <a href="#">TextType_Max</a> |          |       |                                                                                                                                                    |

#### attribute **Logging/@Name**

|            |                                                                                                                             |                    |            |
|------------|-----------------------------------------------------------------------------------------------------------------------------|--------------------|------------|
| type       | <a href="#">TextType_Max</a>                                                                                                |                    |            |
| properties | default                                                                                                                     | SetProjectProperty |            |
| facets     | Kind                                                                                                                        | Value              | Annotation |
|            | minLength                                                                                                                   | 0                  |            |
|            | maxLength                                                                                                                   | 250                |            |
| annotation | documentation<br>A user-definable name for the Command Event. If not supplied, defaults to "Logging". Up to 250 characters. |                    |            |

#### attribute **Logging/@Debug**

|            |                                                                      |          |  |
|------------|----------------------------------------------------------------------|----------|--|
| type       | xs:boolean                                                           |          |  |
| properties | use                                                                  | required |  |
| annotation | documentation<br>Determines whether or not debug logging is enabled. |          |  |

#### attribute **Logging/@SupportArchive**

|            |                                                                         |                   |
|------------|-------------------------------------------------------------------------|-------------------|
| type       | xs:boolean                                                              |                   |
| properties | use<br>default                                                          | optional<br>false |
| annotation | documentation<br>Determines whether or not to create a support archive. |                   |

#### attribute **Logging/@ContentFiles**

|            |                                                                                             |                   |
|------------|---------------------------------------------------------------------------------------------|-------------------|
| type       | xs:boolean                                                                                  |                   |
| properties | use<br>default                                                                              | optional<br>false |
| annotation | documentation<br>Determines whether or not to include content files in the support archive. |                   |

#### attribute **Logging/@DestinationFolder**

|            |                                                     |       |            |
|------------|-----------------------------------------------------|-------|------------|
| type       | <a href="#">TextType_Max</a>                        |       |            |
| facets     | Kind                                                | Value | Annotation |
|            | minLength                                           | 0     |            |
|            | maxLength                                           | 250   |            |
| annotation | documentation<br>Required if SupportArchive is true |       |            |

## element **MarkFile**

|            |                               |                                              |          |         |       |                                                                                        |
|------------|-------------------------------|----------------------------------------------|----------|---------|-------|----------------------------------------------------------------------------------------|
| type       | extension of <b>xs:string</b> |                                              |          |         |       |                                                                                        |
| properties | content                       | complex                                      |          |         |       |                                                                                        |
| used by    | element                       | <a href="#">ResourcePool</a>                 |          |         |       |                                                                                        |
| attributes | Name                          | Type                                         | Use      | Default | Fixed | Annotation                                                                             |
|            | <a href="#">FileName</a>      | <a href="#">TextType</a> <a href="#">Max</a> | required |         |       | documentation<br>Name of the<br>PDF file mark.                                         |
|            | <a href="#">Height</a>        |                                              |          |         |       | documentation<br>Optional, only<br>used to verify<br>the File is the<br>expected size. |
|            | <a href="#">Width</a>         | <a href="#">LinearDimensionType</a>          |          |         |       | documentation<br>Optional, only<br>used to verify<br>the File is the<br>expected size. |

## attribute **MarkFile/@FileName**

|            |                                             |          |            |
|------------|---------------------------------------------|----------|------------|
| type       | <a href="#">TextType_Max</a>                |          |            |
| properties | use                                         | required |            |
| facets     | Kind                                        | Value    | Annotation |
|            | minLength                                   | 0        |            |
|            | maxLength                                   | 250      |            |
| annotation | documentation<br>Name of the PDF file mark. |          |            |

## attribute **MarkFile/@Height**

|            |                                                                               |
|------------|-------------------------------------------------------------------------------|
| annotation | documentation<br>Optional, only used to verify the File is the expected size. |
|------------|-------------------------------------------------------------------------------|

## attribute **MarkFile/@Width**

|            |                                                                               |
|------------|-------------------------------------------------------------------------------|
| type       | <a href="#">LinearDimensionType</a>                                           |
| annotation | documentation<br>Optional, only used to verify the File is the expected size. |

## element **MarkPool**

|            |                                                                                                                                                                          |                                  |
|------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|
| properties | content                                                                                                                                                                  | complex                          |
| children   | <a href="#">FileMark</a> <a href="#">LineMark</a> <a href="#">TextMark</a> <a href="#">BarcodeMark</a> <a href="#">RectangleMark</a> <a href="#">CutterAlignmentMark</a> |                                  |
| used by    | complexType                                                                                                                                                              | <a href="#">LayoutDefinition</a> |

## element **MarkSet**

|            |                                                                                                                                                                          |                                 |     |         |       |            |
|------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|-----|---------|-------|------------|
| properties | content    complex                                                                                                                                                       |                                 |     |         |       |            |
| children   | <a href="#">FileMark</a> <a href="#">LineMark</a> <a href="#">TextMark</a> <a href="#">BarcodeMark</a> <a href="#">RectangleMark</a> <a href="#">CutterAlignmentMark</a> |                                 |     |         |       |            |
| attributes | Name<br><a href="#">CUD</a>                                                                                                                                              | Type<br><a href="#">CUDType</a> | Use | Default | Fixed | Annotation |

|                                             |                                  |          |                                                                                                                                                                                                                                                                                                |
|---------------------------------------------|----------------------------------|----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <a href="#">ID</a>                          | <a href="#">RefIDType</a>        | required | documentation<br>An identifier for the element, unique within the scope of the MXML document. The ID attribute can be used as a reference to the element from elsewhere in the MXML document. Up to 250 characters.                                                                            |
| <a href="#">MIS_ID</a>                      | <a href="#">TextType_Max</a>     |          | documentation<br>One of DeviceID or MIS_ID is required.<br>A globally unique identifier (GUID) for the product that identifies the product to the originating MIS system. If not supplied, defaults to an empty string. If supplied, will not be editable within Metrix. Up to 250 characters. |
| <a href="#">Name</a>                        | <a href="#">TextType_Max</a>     | required | documentation<br>Required when running in memory-only mode (i.e., when the root MetrixXML/@MemoryOnly = True).<br>The name displayed in the Metrix user interface to identify this plant resource. Up to 250 characters.                                                                       |
| <a href="#">AutoSetPlacementToFrontOnly</a> | <b>xs:boolean</b>                | required |                                                                                                                                                                                                                                                                                                |
| <a href="#">OneSided</a>                    | <b>xs:boolean</b>                | required | documentation<br>Determines if the MarkSet is valid for One-Sided printing method.                                                                                                                                                                                                             |
| <a href="#">Perfected</a>                   | <b>xs:boolean</b>                | required | documentation<br>Determines if the MarkSet is valid for Perfected printing method.                                                                                                                                                                                                             |
| <a href="#">Sheetwise</a>                   | <b>xs:boolean</b>                | required | documentation<br>Determines if the MarkSet is valid for Sheetwise printing method.                                                                                                                                                                                                             |
| <a href="#">WorkAndTumble</a>               | <b>xs:boolean</b>                | required | documentation<br>Determines if the MarkSet is valid for Work And Tumble printing method.                                                                                                                                                                                                       |
| <a href="#">WorkAndTurn</a>                 | <b>xs:boolean</b>                | required | documentation<br>Determines if the MarkSet is valid for Work And Turn printing method.                                                                                                                                                                                                         |
| <a href="#">Cyan</a>                        | <a href="#">MarkSetColorType</a> | required |                                                                                                                                                                                                                                                                                                |
| <a href="#">Magenta</a>                     | <a href="#">MarkSetColorType</a> | required |                                                                                                                                                                                                                                                                                                |
| <a href="#">Yellow</a>                      | <a href="#">MarkSetColorType</a> | required |                                                                                                                                                                                                                                                                                                |
| <a href="#">Black</a>                       | <a href="#">MarkSetColorType</a> | required |                                                                                                                                                                                                                                                                                                |
| <a href="#">SpotColor_1</a>                 | <a href="#">MarkSetColorType</a> | required |                                                                                                                                                                                                                                                                                                |
| <a href="#">SpotColor_2</a>                 | <a href="#">MarkSetColorType</a> | required |                                                                                                                                                                                                                                                                                                |
| <a href="#">SpotColor_3</a>                 | <a href="#">MarkSetColorType</a> | required |                                                                                                                                                                                                                                                                                                |
| <a href="#">SpotColor_4</a>                 | <a href="#">MarkSetColorType</a> | required |                                                                                                                                                                                                                                                                                                |
| <a href="#">SpotColor_5</a>                 | <a href="#">MarkSetColorType</a> | required |                                                                                                                                                                                                                                                                                                |

|            |                                                                        |                                  |          |
|------------|------------------------------------------------------------------------|----------------------------------|----------|
|            | <a href="#">SpotColor 6</a>                                            | <a href="#">MarkSetColorType</a> | required |
|            | <a href="#">SpotColor 7</a>                                            | <a href="#">MarkSetColorType</a> | required |
|            | <a href="#">SpotColor 8</a>                                            | <a href="#">MarkSetColorType</a> | required |
|            | <a href="#">SpotColor 9</a>                                            | <a href="#">MarkSetColorType</a> | required |
|            | <a href="#">SpotColor 10</a>                                           | <a href="#">MarkSetColorType</a> | required |
|            | <a href="#">SpotColor 11</a>                                           | <a href="#">MarkSetColorType</a> | required |
|            | <a href="#">SpotColor 12</a>                                           | <a href="#">MarkSetColorType</a> | required |
|            | <a href="#">SpotColor 13</a>                                           | <a href="#">MarkSetColorType</a> | required |
|            | <a href="#">SpotColor 14</a>                                           | <a href="#">MarkSetColorType</a> | required |
|            | <a href="#">SpotColor 15</a>                                           | <a href="#">MarkSetColorType</a> | required |
|            | <a href="#">SpotColor 16</a>                                           | <a href="#">MarkSetColorType</a> | required |
| annotation | documentation<br>Process and Spot values are 0=false, 1=true, 2=either |                                  |          |

#### attribute **MarkSet/@AutoSetPlacementToFrontOnly**

|            |                   |
|------------|-------------------|
| type       | <b>xs:boolean</b> |
| properties | use required      |

#### attribute **MarkSet/@OneSided**

|            |                                                                                    |
|------------|------------------------------------------------------------------------------------|
| type       | <b>xs:boolean</b>                                                                  |
| properties | use required                                                                       |
| annotation | documentation<br>Determines if the MarkSet is valid for One-Sided printing method. |

#### attribute **MarkSet/@Perfected**

|            |                                                                                    |
|------------|------------------------------------------------------------------------------------|
| type       | <b>xs:boolean</b>                                                                  |
| properties | use required                                                                       |
| annotation | documentation<br>Determines if the MarkSet is valid for Perfected printing method. |

#### attribute **MarkSet/@Sheetwise**

|            |                                                                                    |
|------------|------------------------------------------------------------------------------------|
| type       | <b>xs:boolean</b>                                                                  |
| properties | use required                                                                       |
| annotation | documentation<br>Determines if the MarkSet is valid for Sheetwise printing method. |

#### attribute **MarkSet/@WorkAndTumble**

|            |                                                                                          |
|------------|------------------------------------------------------------------------------------------|
| type       | <b>xs:boolean</b>                                                                        |
| properties | use required                                                                             |
| annotation | documentation<br>Determines if the MarkSet is valid for Work And Tumble printing method. |

attribute **MarkSet/@WorkAndTurn**

|            |                                                                                        |
|------------|----------------------------------------------------------------------------------------|
| type       | <b>xs:boolean</b>                                                                      |
| properties | use required                                                                           |
| annotation | documentation<br>Determines if the MarkSet is valid for Work And Turn printing method. |

attribute **MarkSet/@Cyan**

|            |                                  |       |            |
|------------|----------------------------------|-------|------------|
| type       | <a href="#">MarkSetColorType</a> |       |            |
| properties | use required                     |       |            |
| facets     | Kind                             | Value | Annotation |
|            | minInclusive                     | 0     |            |
|            | maxInclusive                     | 100   |            |

attribute **MarkSet/@Magenta**

|            |                                  |       |            |
|------------|----------------------------------|-------|------------|
| type       | <a href="#">MarkSetColorType</a> |       |            |
| properties | use required                     |       |            |
| facets     | Kind                             | Value | Annotation |
|            | minInclusive                     | 0     |            |
|            | maxInclusive                     | 100   |            |

attribute **MarkSet/@Yellow**

|            |                                  |       |            |
|------------|----------------------------------|-------|------------|
| type       | <a href="#">MarkSetColorType</a> |       |            |
| properties | use required                     |       |            |
| facets     | Kind                             | Value | Annotation |
|            | minInclusive                     | 0     |            |
|            | maxInclusive                     | 100   |            |

attribute **MarkSet/@Black**

|            |                                  |       |            |
|------------|----------------------------------|-------|------------|
| type       | <a href="#">MarkSetColorType</a> |       |            |
| properties | use required                     |       |            |
| facets     | Kind                             | Value | Annotation |
|            | minInclusive                     | 0     |            |
|            | maxInclusive                     | 100   |            |

attribute **MarkSet/@SpotColor\_1**

|            |                                  |       |            |
|------------|----------------------------------|-------|------------|
| type       | <a href="#">MarkSetColorType</a> |       |            |
| properties | use required                     |       |            |
| facets     | Kind                             | Value | Annotation |
|            | minInclusive                     | 0     |            |
|            | maxInclusive                     | 100   |            |

attribute **MarkSet/@SpotColor\_2**

|            |                                  |       |            |
|------------|----------------------------------|-------|------------|
| type       | <a href="#">MarkSetColorType</a> |       |            |
| properties | use required                     |       |            |
| facets     | Kind                             | Value | Annotation |
|            | minInclusive                     | 0     |            |
|            | maxInclusive                     | 100   |            |

attribute **MarkSet/@SpotColor\_3**

|            |                                  |       |            |
|------------|----------------------------------|-------|------------|
| type       | <a href="#">MarkSetColorType</a> |       |            |
| properties | use required                     |       |            |
| facets     | Kind                             | Value | Annotation |
|            | minInclusive                     | 0     |            |
|            | maxInclusive                     | 100   |            |

attribute **MarkSet/@SpotColor\_4**

|            |                                  |       |            |
|------------|----------------------------------|-------|------------|
| type       | <a href="#">MarkSetColorType</a> |       |            |
| properties | use required                     |       |            |
| facets     | Kind                             | Value | Annotation |
|            | minInclusive                     | 0     |            |
|            | maxInclusive                     | 100   |            |

attribute **MarkSet/@SpotColor\_5**

|            |                                  |       |            |
|------------|----------------------------------|-------|------------|
| type       | <a href="#">MarkSetColorType</a> |       |            |
| properties | use required                     |       |            |
| facets     | Kind                             | Value | Annotation |
|            | minInclusive                     | 0     |            |
|            | maxInclusive                     | 100   |            |

attribute **MarkSet/@SpotColor\_6**

|            |                                  |       |            |
|------------|----------------------------------|-------|------------|
| type       | <a href="#">MarkSetColorType</a> |       |            |
| properties | use required                     |       |            |
| facets     | Kind                             | Value | Annotation |
|            | minInclusive                     | 0     |            |
|            | maxInclusive                     | 100   |            |

attribute **MarkSet/@SpotColor\_7**

|            |                                  |       |            |
|------------|----------------------------------|-------|------------|
| type       | <a href="#">MarkSetColorType</a> |       |            |
| properties | use required                     |       |            |
| facets     | Kind                             | Value | Annotation |
|            | minInclusive                     | 0     |            |
|            | maxInclusive                     | 100   |            |

attribute **MarkSet/@SpotColor\_8**

|            |                                  |       |            |
|------------|----------------------------------|-------|------------|
| type       | <a href="#">MarkSetColorType</a> |       |            |
| properties | use required                     |       |            |
| facets     | Kind                             | Value | Annotation |
|            | minInclusive                     | 0     |            |
|            | maxInclusive                     | 100   |            |

attribute **MarkSet/@SpotColor\_9**

|            |                                  |       |            |
|------------|----------------------------------|-------|------------|
| type       | <a href="#">MarkSetColorType</a> |       |            |
| properties | use required                     |       |            |
| facets     | Kind                             | Value | Annotation |
|            | minInclusive                     | 0     |            |
|            | maxInclusive                     | 100   |            |

attribute **MarkSet/@SpotColor\_10**

|            |                                  |       |            |
|------------|----------------------------------|-------|------------|
| type       | <a href="#">MarkSetColorType</a> |       |            |
| properties | use required                     |       |            |
| facets     | Kind                             | Value | Annotation |
|            | minInclusive                     | 0     |            |
|            | maxInclusive                     | 100   |            |

attribute **MarkSet/@SpotColor\_11**

|            |                                  |       |            |
|------------|----------------------------------|-------|------------|
| type       | <a href="#">MarkSetColorType</a> |       |            |
| properties | use required                     |       |            |
| facets     | Kind                             | Value | Annotation |
|            | minInclusive                     | 0     |            |
|            | maxInclusive                     | 100   |            |

attribute **MarkSet/@SpotColor\_12**

|            |                                  |       |            |
|------------|----------------------------------|-------|------------|
| type       | <a href="#">MarkSetColorType</a> |       |            |
| properties | use required                     |       |            |
| facets     | Kind                             | Value | Annotation |
|            | minInclusive                     | 0     |            |
|            | maxInclusive                     | 100   |            |

attribute **MarkSet/@SpotColor\_13**

|            |                                  |       |            |
|------------|----------------------------------|-------|------------|
| type       | <a href="#">MarkSetColorType</a> |       |            |
| properties | use required                     |       |            |
| facets     | Kind                             | Value | Annotation |
|            | minInclusive                     | 0     |            |
|            | maxInclusive                     | 100   |            |

attribute **MarkSet/@SpotColor\_14**

|            |                                  |       |            |
|------------|----------------------------------|-------|------------|
| type       | <a href="#">MarkSetColorType</a> |       |            |
| properties | use required                     |       |            |
| facets     | Kind                             | Value | Annotation |
|            | minInclusive                     | 0     |            |
|            | maxInclusive                     | 100   |            |

attribute **MarkSet/@SpotColor\_15**

|            |                                  |       |            |
|------------|----------------------------------|-------|------------|
| type       | <a href="#">MarkSetColorType</a> |       |            |
| properties | use required                     |       |            |
| facets     | Kind                             | Value | Annotation |
|            | minInclusive                     | 0     |            |
|            | maxInclusive                     | 100   |            |

attribute **MarkSet/@SpotColor\_16**

|            |                                  |       |            |
|------------|----------------------------------|-------|------------|
| type       | <a href="#">MarkSetColorType</a> |       |            |
| properties | use required                     |       |            |
| facets     | Kind                             | Value | Annotation |
|            | minInclusive                     | 0     |            |
|            | maxInclusive                     | 100   |            |

element **MetrixXML**

|            |                                                                                                                                        |                   |          |         |       |                                                                                                                                                                                                                                                                                                                  |
|------------|----------------------------------------------------------------------------------------------------------------------------------------|-------------------|----------|---------|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| properties | content complex                                                                                                                        |                   |          |         |       |                                                                                                                                                                                                                                                                                                                  |
| children   | <a href="#">ResourcePool</a> <a href="#">AuditPool</a> <a href="#">CommandPool</a> <a href="#">Project</a> <a href="#">ProductPool</a> |                   |          |         |       |                                                                                                                                                                                                                                                                                                                  |
| attributes | Name                                                                                                                                   | Type              | Use      | Default | Fixed | Annotation                                                                                                                                                                                                                                                                                                       |
|            | <a href="#">DocumentVersion</a>                                                                                                        | <b>xs:string</b>  | required |         |       | documentation<br>Must be in the root node. A globally unique identifier (GUID) that identifies a particular version of an MXML document. It must be replaced by any system that modifies the document's contents so it can be used to quickly determine if the document has changed since a system last read it. |
|            | <a href="#">MemoryOnly</a>                                                                                                             | <b>xs:boolean</b> |          | false   |       | documentation<br>Only read by Metrix Automation Lite/LitePro/Pro                                                                                                                                                                                                                                                 |

|  |                               |                                   |          |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|--|-------------------------------|-----------------------------------|----------|--|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  |                               |                                   |          |  | or Metrix Automation Server. If True, does not use the Metrix database and all resource elements must be complete. For example, each press resource must have all its properties (not just its ID and DeviceID) so it can be constructed in memory from the Metrix XML data alone.<br>documentation<br>Pace Only<br>documentation<br>MetrixXML version. Must be in the root node.<br>documentation<br>Must be in the root node. Determines how all measurement values in the document will be interpreted.<br>documentation<br>Pace Only |
|  | <a href="#">returnURL</a>     | <b>xs:anyURI</b>                  |          |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|  | <a href="#">SchemaVersion</a> | <a href="#">SchemaVersionType</a> | required |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|  | <a href="#">Units</a>         | <a href="#">MXMLUnitsType</a>     | required |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|  | <a href="#">Pacelicense</a>   | <b>xs:string</b>                  |          |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|  | <a href="#">SyncAll</a>       | <b>xs:boolean</b>                 |          |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

attribute **MetrixXML/@DocumentVersion**

|            |                                                                                                                                                                                                                                                                                                                  |
|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| type       | <b>xs:string</b>                                                                                                                                                                                                                                                                                                 |
| properties | use required                                                                                                                                                                                                                                                                                                     |
| annotation | documentation<br>Must be in the root node. A globally unique identifier (GUID) that identifies a particular version of an MXML document. It must be replaced by any system that modifies the document's contents so it can be used to quickly determine if the document has changed since a system last read it. |

attribute **MetrixXML/@MemoryOnly**

|            |                                                                                                                                                                                                                                                                                                                                                     |
|------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| type       | <b>xs:boolean</b>                                                                                                                                                                                                                                                                                                                                   |
| properties | default false                                                                                                                                                                                                                                                                                                                                       |
| annotation | documentation<br>Only read by Metrix Automation Lite/LitePro/Pro or Metrix Automation Server. If True, does not use the Metrix database and all resource elements must be complete. For example, each press resource must have all its properties (not just its ID and DeviceID) so it can be constructed in memory from the Metrix XML data alone. |

attribute **MetrixXML/@returnURL**

|            |                            |
|------------|----------------------------|
| type       | <b>xs:anyURI</b>           |
| annotation | documentation<br>Pace Only |

attribute **MetrixXML/@SchemaVersion**

|            |                                                               |       |            |
|------------|---------------------------------------------------------------|-------|------------|
| type       | <a href="#">SchemaVersionType</a>                             |       |            |
| properties | use required                                                  |       |            |
| facets     | Kind                                                          | Value | Annotation |
|            | enumeration                                                   | 1.0   |            |
|            | enumeration                                                   | 1.5   |            |
|            | enumeration                                                   | 1.6   |            |
|            | enumeration                                                   | 2.0   |            |
|            | enumeration                                                   | 2.1   |            |
| annotation | documentation<br>MetrixXML version. Must be in the root node. |       |            |

attribute **MetrixXML/@Units**

|            |                                                                                                                       |             |            |
|------------|-----------------------------------------------------------------------------------------------------------------------|-------------|------------|
| type       | <a href="#">MXMLUnitsType</a>                                                                                         |             |            |
| properties | use required                                                                                                          |             |            |
| facets     | Kind                                                                                                                  | Value       | Annotation |
|            | enumeration                                                                                                           | Millimeters |            |
| annotation | documentation<br>Must be in the root node. Determines how all measurement values in the document will be interpreted. |             |            |

attribute **MetrixXML/@PaceLicense**

|            |                            |
|------------|----------------------------|
| type       | <b>xs:string</b>           |
| annotation | documentation<br>Pace Only |

attribute **MetrixXML/@SyncAll**

|      |                   |
|------|-------------------|
| type | <b>xs:boolean</b> |
|------|-------------------|

element **NUpFoldedChildPool**

|            |                                                  |
|------------|--------------------------------------------------|
| properties | content complex                                  |
| children   | <a href="#">NUpFoldedChildComponentRef</a>       |
| used by    | element <a href="#">Component</a>                |
| annotation | documentation<br>Only valid for Bound Components |

element **NUpFoldedChildPool/NUpFoldedChildComponentRef**

|            |                                        |
|------------|----------------------------------------|
| type       | <a href="#">ResourceRefElementType</a> |
| properties | content complex                        |

|            |                              |                                   |     |         |       |            |
|------------|------------------------------|-----------------------------------|-----|---------|-------|------------|
| attributes | Name<br><a href="#">rRef</a> | Type<br><a href="#">RefIDType</a> | Use | Default | Fixed | Annotation |
|------------|------------------------------|-----------------------------------|-----|---------|-------|------------|

## element **OffcutFlap**

|            |                                                       |                                                                                               |                             |         |       |            |
|------------|-------------------------------------------------------|-----------------------------------------------------------------------------------------------|-----------------------------|---------|-------|------------|
| properties | content                                               | complex                                                                                       |                             |         |       |            |
| used by    | element                                               | <a href="#">Component</a>                                                                     |                             |         |       |            |
| attributes | Name<br><a href="#">Edge</a><br><a href="#">Width</a> | Type<br><a href="#">EdgeType</a><br><b>derived by:</b><br><a href="#">LinearDimensionType</a> | Use<br>required<br>required | Default | Fixed | Annotation |

## attribute **OffcutFlap/@Edge**

|            |                                                                  |                                         |            |  |  |  |
|------------|------------------------------------------------------------------|-----------------------------------------|------------|--|--|--|
| type       | <a href="#">EdgeType</a>                                         |                                         |            |  |  |  |
| properties | use                                                              | required                                |            |  |  |  |
| facets     | Kind<br>enumeration<br>enumeration<br>enumeration<br>enumeration | Value<br>Top<br>Bottom<br>Left<br>Right | Annotation |  |  |  |

## attribute **OffcutFlap/@Width**

|            |                                                    |                  |            |  |  |  |
|------------|----------------------------------------------------|------------------|------------|--|--|--|
| type       | restriction of <a href="#">LinearDimensionType</a> |                  |            |  |  |  |
| properties | use                                                | required         |            |  |  |  |
| facets     | Kind<br>minInclusive<br>maxInclusive               | Value<br>0<br>30 | Annotation |  |  |  |

## element **Page**

|            |                                                                                                                           |                                                  |     |         |       |                                                                                                                                                                  |
|------------|---------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|-----|---------|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| properties | content    complex                                                                                                        |                                                  |     |         |       |                                                                                                                                                                  |
| children   | <a href="#">TransparentColor</a> <a href="#">InkRef</a> <a href="#">RampageWorkflowRef</a> <a href="#">ContentFileRef</a> |                                                  |     |         |       |                                                                                                                                                                  |
| used by    | element                                                                                                                   | <a href="#">PagePool</a>                         |     |         |       |                                                                                                                                                                  |
| attributes | Name                                                                                                                      | Type                                             | Use | Default | Fixed | Annotation                                                                                                                                                       |
|            | <a href="#">Folio</a>                                                                                                     | <a href="#">TextType</a> <b>Max</b>              |     |         |       | documentation<br>The page's identifier. If not supplied, defaults to an empty string. Up to 250 characters.                                                      |
|            | <a href="#">BleedTop</a>                                                                                                  | <a href="#">LinearDimension</a> <b>PageBleed</b> |     |         |       | documentation<br>The bleed at the top of the page when viewed by a reader. Should not be supplied if the bleed is common to all pages, otherwise it is required. |
|            | <a href="#">BleedLeft</a>                                                                                                 | <a href="#">LinearDimension</a> <b>PageBleed</b> |     |         |       | documentation<br>The bleed at the left of the page when viewed by a reader. Should not be supplied if the bleed is common to all pages.                          |

|                                       |                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|---------------------------------------|-------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <a href="#">BleedBottom</a>           | <a href="#">LinearDimension PageBleed</a> | otherwise it is required.<br>documentation<br>The bleed at the bottom of the page when viewed by a reader. Should not be supplied if the bleed is common to all pages, otherwise it is required.                                                                                                                                                                                                                                                                            |
| <a href="#">BleedRight</a>            | <a href="#">LinearDimension PageBleed</a> | documentation<br>The bleed at the right of the page when viewed by a reader. Should not be supplied if the bleed is common to all pages, otherwise it is required.                                                                                                                                                                                                                                                                                                          |
| <a href="#">Rotation</a>              | derived by: xs:integer                    | documentation<br>The rotation of the page when viewed by a reader. Should not be supplied if the rotation is common to all pages. If not supplied and PageDefaults/@Rotation is not supplied, defaults to "0". A flat product's 1st page must have a rotation of 0. [Need to define zero position for folded and bound products.]                                                                                                                                           |
| <a href="#">DisplayImageFile</a>      | <a href="#">TextType Max</a>              | documentation<br>A string that identifies a low-resolution RGB, JPEG, GIF, or PNG file to display as a thumbnail for the page, as an absolute path and file name. Up to 250 characters.                                                                                                                                                                                                                                                                                     |
| <a href="#">TransparencyTolerance</a> | <a href="#">TransparencyToleranceType</a> | documentation<br>The TransparencyTolerance of the page. The Transparency Tolerance property broadens the TransparentColor property of a page which in turn specifies what pixels of a page's Display Image File should be rendered as transparent. The TransparencyTolerance specifies the range of the red, green, and blue (RGB) values, either side of the selected page's TransparentColor property, to be rendered transparent. An integer in the valid range 0 – 255. |
| <a href="#">Number</a>                | xs:nonNegativeInteger                     | required<br>documentation<br>The page's unique number. Must start at 1 and sequentially                                                                                                                                                                                                                                                                                                                                                                                     |

|  |                                                                                                                                                                                                 |           |
|--|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|
|  | <a href="#">ContentPositionRule</a> <a href="#">ContentPositionRuleType</a><br><a href="#">ContentType</a> <a href="#">ContentTypeType</a><br><a href="#">FilePageNum</a> xs:nonNegativeInteger | increase. |
|--|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|

#### attribute **Page/@Folio**

|            |                                                                                                             |       |            |
|------------|-------------------------------------------------------------------------------------------------------------|-------|------------|
| type       | <a href="#">TextType</a> Max                                                                                |       |            |
| facets     | Kind                                                                                                        | Value | Annotation |
|            | minLength                                                                                                   | 0     |            |
|            | maxLength                                                                                                   | 250   |            |
| annotation | documentation<br>The page's identifier. If not supplied, defaults to an empty string. Up to 250 characters. |       |            |

#### attribute **Page/@BleedTop**

|            |                                                                                                                                                                  |        |            |
|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|------------|
| type       | <a href="#">LinearDimension</a> <a href="#">PageBleed</a>                                                                                                        |        |            |
| facets     | Kind                                                                                                                                                             | Value  | Annotation |
|            | minInclusive                                                                                                                                                     | -152.4 |            |
|            | maxInclusive                                                                                                                                                     | 50.8   |            |
| annotation | documentation<br>The bleed at the top of the page when viewed by a reader. Should not be supplied if the bleed is common to all pages, otherwise it is required. |        |            |

#### attribute **Page/@BleedLeft**

|            |                                                                                                                                                                   |        |            |
|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|------------|
| type       | <a href="#">LinearDimension</a> <a href="#">PageBleed</a>                                                                                                         |        |            |
| facets     | Kind                                                                                                                                                              | Value  | Annotation |
|            | minInclusive                                                                                                                                                      | -152.4 |            |
|            | maxInclusive                                                                                                                                                      | 50.8   |            |
| annotation | documentation<br>The bleed at the left of the page when viewed by a reader. Should not be supplied if the bleed is common to all pages, otherwise it is required. |        |            |

#### attribute **Page/@BleedBottom**

|            |                                                                                                                                                                     |        |            |
|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|------------|
| type       | <a href="#">LinearDimension</a> <a href="#">PageBleed</a>                                                                                                           |        |            |
| facets     | Kind                                                                                                                                                                | Value  | Annotation |
|            | minInclusive                                                                                                                                                        | -152.4 |            |
|            | maxInclusive                                                                                                                                                        | 50.8   |            |
| annotation | documentation<br>The bleed at the bottom of the page when viewed by a reader. Should not be supplied if the bleed is common to all pages, otherwise it is required. |        |            |

#### attribute **Page/@BleedRight**

|            |                                                                                                                                                                    |        |            |
|------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|------------|
| type       | <a href="#">LinearDimension</a> <a href="#">PageBleed</a>                                                                                                          |        |            |
| facets     | Kind                                                                                                                                                               | Value  | Annotation |
|            | minInclusive                                                                                                                                                       | -152.4 |            |
|            | maxInclusive                                                                                                                                                       | 50.8   |            |
| annotation | documentation<br>The bleed at the right of the page when viewed by a reader. Should not be supplied if the bleed is common to all pages, otherwise it is required. |        |            |

#### attribute **Page/@Rotation**

|            |                                                                                                                                                                                                                                                                                                                                   |       |            |
|------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------------|
| type       | restriction of <b>xs:integer</b>                                                                                                                                                                                                                                                                                                  |       |            |
| facets     | Kind                                                                                                                                                                                                                                                                                                                              | Value | Annotation |
|            | enumeration                                                                                                                                                                                                                                                                                                                       | 0     |            |
|            | enumeration                                                                                                                                                                                                                                                                                                                       | 90    |            |
|            | enumeration                                                                                                                                                                                                                                                                                                                       | 180   |            |
|            | enumeration                                                                                                                                                                                                                                                                                                                       | 270   |            |
| annotation | documentation<br>The rotation of the page when viewed by a reader. Should not be supplied if the rotation is common to all pages. If not supplied and PageDefaults/@Rotation is not supplied, defaults to "0". A flat product's 1st page must have a rotation of 0. [Need to define zero position for folded and bound products.] |       |            |

#### attribute **Page/@DisplayImageFile**

|            |                                                                                                                                                                                         |       |            |
|------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------------|
| type       | <a href="#">TextType Max</a>                                                                                                                                                            |       |            |
| facets     | Kind                                                                                                                                                                                    | Value | Annotation |
|            | minLength                                                                                                                                                                               | 0     |            |
|            | maxLength                                                                                                                                                                               | 250   |            |
| annotation | documentation<br>A string that identifies a low-resolution RGB, JPEG, GIF, or PNG file to display as a thumbnail for the page, as an absolute path and file name. Up to 250 characters. |       |            |

#### attribute **Page/@TransparencyTolerance**

|            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |       |            |
|------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------------|
| type       | <a href="#">TransparencyToleranceType</a>                                                                                                                                                                                                                                                                                                                                                                                                                                   |       |            |
| facets     | Kind                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Value | Annotation |
|            | minInclusive                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 0     |            |
|            | maxInclusive                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 255   |            |
| annotation | documentation<br>The TransparencyTolerance of the page. The Transparency Tolerance property broadens the TransparentColor property of a page which in turn specifies what pixels of a page's Display Image File should be rendered as transparent. The TransparencyTolerance specifies the range of the red, green, and blue (RGB) values, either side of the selected page's TransparentColor property, to be rendered transparent. An integer in the valid range 0 – 255. |       |            |

#### attribute **Page/@Number**

|            |                                                                                       |          |  |
|------------|---------------------------------------------------------------------------------------|----------|--|
| type       | xs:nonNegativeInteger                                                                 |          |  |
| properties | use                                                                                   | required |  |
| annotation | documentation<br>The page's unique number. Must start at 1 and sequentially increase. |          |  |

#### attribute **Page/@ContentPositionRule**

|        |                                         |                               |            |
|--------|-----------------------------------------|-------------------------------|------------|
| type   | <a href="#">ContentPositionRuleType</a> |                               |            |
| facets | Kind                                    | Value                         | Annotation |
|        | enumeration                             | MatchPageTrimboxSizeAndCenter |            |
|        | enumeration                             | CenterEachPage                |            |
|        | enumeration                             | CenterEachPageTrimbox         |            |

#### attribute **Page/@ContentType**

|      |                                 |  |  |
|------|---------------------------------|--|--|
| type | <a href="#">ContentTypeType</a> |  |  |
|------|---------------------------------|--|--|

|        |             |            |            |
|--------|-------------|------------|------------|
| facets | Kind        | Value      | Annotation |
|        | enumeration | Unassigned |            |
|        | enumeration | Assigned   |            |
|        | enumeration | Blank      |            |

#### attribute **Page/@FilePageNum**

|      |                              |
|------|------------------------------|
| type | <b>xs:nonNegativeInteger</b> |
|------|------------------------------|

#### element **Page/InkRef**

|            |                                                                                                                                                                                                                                                     |                           |     |         |       |            |
|------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|-----|---------|-------|------------|
| type       | <a href="#">ResourceRefElementType</a>                                                                                                                                                                                                              |                           |     |         |       |            |
| properties | minOcc                                                                                                                                                                                                                                              | 0                         |     |         |       |            |
|            | maxOcc                                                                                                                                                                                                                                              | unbounded                 |     |         |       |            |
|            | content                                                                                                                                                                                                                                             | complex                   |     |         |       |            |
| attributes | Name                                                                                                                                                                                                                                                | Type                      | Use | Default | Fixed | Annotation |
|            | <a href="#">rRef</a>                                                                                                                                                                                                                                | <a href="#">RefIDType</a> |     |         |       |            |
| annotation | documentation<br>Zero or more references to Ink elements this page prints. Should not be supplied if the Ink is common to all pages. Each reference element has a single rRef attribute matching the ID attribute of the Ink element it references. |                           |     |         |       |            |

#### element **Page/RampageWorkflowRef**

|            |                                                                                                                                                                                                                                                                                                        |                           |     |         |       |            |
|------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|-----|---------|-------|------------|
| type       | <a href="#">ResourceRefElementType</a>                                                                                                                                                                                                                                                                 |                           |     |         |       |            |
| properties | minOcc                                                                                                                                                                                                                                                                                                 | 0                         |     |         |       |            |
|            | maxOcc                                                                                                                                                                                                                                                                                                 | 1                         |     |         |       |            |
|            | content                                                                                                                                                                                                                                                                                                | complex                   |     |         |       |            |
| attributes | Name                                                                                                                                                                                                                                                                                                   | Type                      | Use | Default | Fixed | Annotation |
|            | <a href="#">rRef</a>                                                                                                                                                                                                                                                                                   | <a href="#">RefIDType</a> |     |         |       |            |
| annotation | documentation<br>If supplied, contains a reference to the RampageWorkflow element that applies to the page. The reference element has a single rRef attribute matching the ID attribute of the RampageWorkflow element it references. This attribute is read by Metrix and is also exported by Metrix. |                           |     |         |       |            |

#### element **PageDefaults**

|            |                                  |                                                           |     |         |       |                                                                                                                                                                                                  |
|------------|----------------------------------|-----------------------------------------------------------|-----|---------|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| properties | content    complex               |                                                           |     |         |       |                                                                                                                                                                                                  |
| children   | <a href="#">InkRef</a>           |                                                           |     |         |       |                                                                                                                                                                                                  |
| used by    | element <a href="#">PagePool</a> |                                                           |     |         |       |                                                                                                                                                                                                  |
| attributes | Name                             | Type                                                      | Use | Default | Fixed | Annotation                                                                                                                                                                                       |
|            | <a href="#">BleedTop</a>         | <a href="#">LinearDimension</a> <a href="#">PageBleed</a> |     |         |       | documentation<br>The bleed at the top of all pages when each page is viewed by a reader. Should only appear if all pages share a common value, otherwise each page should specify its own bleed. |
|            | <a href="#">BleedLeft</a>        | <a href="#">LinearDimension</a> <a href="#">PageBleed</a> |     |         |       | documentation<br>The bleed at the left of all pages when each page is viewed by a reader. Should only appear if all pages share a common                                                         |

|  |                                       |                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|--|---------------------------------------|-------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | <a href="#">BleedBottom</a>           | <a href="#">LinearDimension PageBleed</a> | <p>value, otherwise each page should specify its own bleed.</p> <p>documentation</p> <p>The bleed at the bottom of all pages when each page is viewed by a reader. Should only appear if all pages share a common value, otherwise each page should specify its own bleed.</p>                                                                                                                                                                 |
|  | <a href="#">BleedRight</a>            | <a href="#">LinearDimension PageBleed</a> | <p>documentation</p> <p>The bleed at the right of all pages when each page is viewed by a reader. Should only appear if all pages share a common value, otherwise each page should specify its own bleed.</p>                                                                                                                                                                                                                                  |
|  | <a href="#">Rotation</a>              | <a href="#">RotationType90</a>            | <p>documentation</p> <p>The rotation of all pages when each page is viewed by a reader. Should only appear if all pages share a common value, otherwise each page should specify its own rotation. If not supplied, any page that does not specify its own rotation defaults to "0". A flat product's 1st page must have a rotation of 0. [Need to define zero position for folded and bound products.]</p>                                    |
|  | <a href="#">TransparencyTolerance</a> | <a href="#">TransparencyToleranceType</a> | <p>documentation</p> <p>The TransparencyTolerance of the page. The TransparencyTolerance property broadens the TransparentColor property of a page which in turn specifies what pixels of a page's Display Image File should be rendered as transparent. The TransparencyTolerance specifies the range of the red, green, and blue (RGB) values, either side of the selected page's TransparentColor property, to be rendered transparent.</p> |

|  |                                        |
|--|----------------------------------------|
|  | An integer in the valid range 0 – 255. |
|--|----------------------------------------|

#### attribute **PageDefaults/@BleedTop**

|            |                                                                                                                                                                                                  |        |            |
|------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|------------|
| type       | <a href="#">LinearDimension</a> <a href="#">PageBleed</a>                                                                                                                                        |        |            |
| facets     | Kind                                                                                                                                                                                             | Value  | Annotation |
|            | minInclusive                                                                                                                                                                                     | -152.4 |            |
|            | maxInclusive                                                                                                                                                                                     | 50.8   |            |
| annotation | documentation<br>The bleed at the top of all pages when each page is viewed by a reader. Should only appear if all pages share a common value, otherwise each page should specify its own bleed. |        |            |

#### attribute **PageDefaults/@BleedLeft**

|            |                                                                                                                                                                                                   |        |            |
|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|------------|
| type       | <a href="#">LinearDimension</a> <a href="#">PageBleed</a>                                                                                                                                         |        |            |
| facets     | Kind                                                                                                                                                                                              | Value  | Annotation |
|            | minInclusive                                                                                                                                                                                      | -152.4 |            |
|            | maxInclusive                                                                                                                                                                                      | 50.8   |            |
| annotation | documentation<br>The bleed at the left of all pages when each page is viewed by a reader. Should only appear if all pages share a common value, otherwise each page should specify its own bleed. |        |            |

#### attribute **PageDefaults/@BleedBottom**

|            |                                                                                                                                                                                                     |        |            |
|------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|------------|
| type       | <a href="#">LinearDimension</a> <a href="#">PageBleed</a>                                                                                                                                           |        |            |
| facets     | Kind                                                                                                                                                                                                | Value  | Annotation |
|            | minInclusive                                                                                                                                                                                        | -152.4 |            |
|            | maxInclusive                                                                                                                                                                                        | 50.8   |            |
| annotation | documentation<br>The bleed at the bottom of all pages when each page is viewed by a reader. Should only appear if all pages share a common value, otherwise each page should specify its own bleed. |        |            |

#### attribute **PageDefaults/@BleedRight**

|            |                                                                                                                                                                                                    |        |            |
|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|------------|
| type       | <a href="#">LinearDimension</a> <a href="#">PageBleed</a>                                                                                                                                          |        |            |
| facets     | Kind                                                                                                                                                                                               | Value  | Annotation |
|            | minInclusive                                                                                                                                                                                       | -152.4 |            |
|            | maxInclusive                                                                                                                                                                                       | 50.8   |            |
| annotation | documentation<br>The bleed at the right of all pages when each page is viewed by a reader. Should only appear if all pages share a common value, otherwise each page should specify its own bleed. |        |            |

#### attribute **PageDefaults/@Rotation**

|            |                                                                                                                                                                                                                                                                                                |       |            |
|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------------|
| type       | <a href="#">RotationType90</a>                                                                                                                                                                                                                                                                 |       |            |
| facets     | Kind                                                                                                                                                                                                                                                                                           | Value | Annotation |
|            | enumeration                                                                                                                                                                                                                                                                                    | 0     |            |
|            | enumeration                                                                                                                                                                                                                                                                                    | 90    |            |
|            | enumeration                                                                                                                                                                                                                                                                                    | 180   |            |
|            | enumeration                                                                                                                                                                                                                                                                                    | 270   |            |
| annotation | documentation<br>The rotation of all pages when each page is viewed by a reader. Should only appear if all pages share a common value, otherwise each page should specify its own rotation. If not supplied, any page that does not specify its own rotation defaults to "0". A flat product's |       |            |

|  |                                                                                                   |
|--|---------------------------------------------------------------------------------------------------|
|  | 1st page must have a rotation of 0. [Need to define zero position for folded and bound products.] |
|--|---------------------------------------------------------------------------------------------------|

#### attribute **PageDefaults/@TransparencyTolerance**

|            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |       |            |
|------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------------|
| type       | <a href="#">TransparencyToleranceType</a>                                                                                                                                                                                                                                                                                                                                                                                                                                   |       |            |
| facets     | Kind                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Value | Annotation |
|            | minInclusive                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 0     |            |
|            | maxInclusive                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 255   |            |
| annotation | documentation<br>The TransparencyTolerance of the page. The Transparency Tolerance property broadens the TransparentColor property of a page which in turn specifies what pixels of a page's Display Image File should be rendered as transparent. The TransparencyTolerance specifies the range of the red, green, and blue (RGB) values, either side of the selected page's TransparentColor property, to be rendered transparent. An integer in the valid range 0 – 255. |       |            |

#### element **PageDefaults/InkRef**

|            |                                                                                                                                                                                          |                           |     |         |       |            |
|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|-----|---------|-------|------------|
| type       | <a href="#">ResourceRefElementType</a>                                                                                                                                                   |                           |     |         |       |            |
| properties | minOcc                                                                                                                                                                                   | 0                         |     |         |       |            |
|            | maxOcc                                                                                                                                                                                   | unbounded                 |     |         |       |            |
|            | content                                                                                                                                                                                  | complex                   |     |         |       |            |
| attributes | Name                                                                                                                                                                                     | Type                      | Use | Default | Fixed | Annotation |
|            | <a href="#">rRef</a>                                                                                                                                                                     | <a href="#">RefIDType</a> |     |         |       |            |
| annotation | documentation<br>Zero or more references to Ink elements all pages print. Each reference element has a single rRef attribute matching the ID attribute of the Ink element it references. |                           |     |         |       |            |

#### element **PagePool**

|            |                                                                          |                                                                                   |
|------------|--------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
| properties | content                                                                  | complex                                                                           |
| children   | <a href="#">PageDefaults</a> <a href="#">Page</a>                        |                                                                                   |
| used by    | elements                                                                 | <a href="#">Content2ndUp</a> <a href="#">Content3rdUp</a> <a href="#">Product</a> |
| annotation | documentation<br>The parent element for all the product's page elements. |                                                                                   |

#### element **ParentComponent**

|            |                              |                           |
|------------|------------------------------|---------------------------|
| properties | content                      | complex                   |
| children   | <a href="#">ComponentRef</a> |                           |
| used by    | element                      | <a href="#">Component</a> |

#### element **ParentComponent/ComponentRef**

|            |                                                                                                                                                                                                                                                                                                                                          |                                  |     |         |       |            |
|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|-----|---------|-------|------------|
| type       | <a href="#">ResourceRefElementType</a>                                                                                                                                                                                                                                                                                                   |                                  |     |         |       |            |
| properties | content                                                                                                                                                                                                                                                                                                                                  | complex                          |     |         |       |            |
| used by    | element                                                                                                                                                                                                                                                                                                                                  | <a href="#">ComponentRefPool</a> |     |         |       |            |
| attributes | Name                                                                                                                                                                                                                                                                                                                                     | Type                             | Use | Default | Fixed | Annotation |
|            | <a href="#">rRef</a>                                                                                                                                                                                                                                                                                                                     | <a href="#">RefIDType</a>        |     |         |       |            |
| annotation | documentation<br>Only used for bound components whose Cover = False, or for bound components who are not the outermost component (i.e., they have a ChildIndex = -1). A reference to the parent component. The order in which each child component is bound into the parent component is determined by the child's ChildIndex attribute. |                                  |     |         |       |            |

## element PreferredSolution

|            |                                |                                    |          |         |       |            |
|------------|--------------------------------|------------------------------------|----------|---------|-------|------------|
| properties | content                        | complex                            |          |         |       |            |
| used by    | element                        | <a href="#">AutoPlanHints</a>      |          |         |       |            |
| attributes | Name                           | Type                               | Use      | Default | Fixed | Annotation |
|            | <a href="#">rRefPress</a>      | <b>xs:string</b>                   | required |         |       |            |
|            | <a href="#">rRefStockSheet</a> | <b>xs:string</b>                   | required |         |       |            |
|            | <a href="#">PrintingMethod</a> | <a href="#">PrintingMethodType</a> | required |         |       |            |

## attribute PreferredSolution/@rRefPress

|            |                  |
|------------|------------------|
| type       | <b>xs:string</b> |
| properties | use required     |

## attribute PreferredSolution/@rRefStockSheet

|            |                  |
|------------|------------------|
| type       | <b>xs:string</b> |
| properties | use required     |

## attribute PreferredSolution/@PrintingMethod

|            |                                    |               |            |  |  |
|------------|------------------------------------|---------------|------------|--|--|
| type       | <a href="#">PrintingMethodType</a> |               |            |  |  |
| properties | use required                       |               |            |  |  |
| facets     | Kind                               | Value         | Annotation |  |  |
|            | enumeration                        | OneSided      |            |  |  |
|            | enumeration                        | Sheetwise     |            |  |  |
|            | enumeration                        | WorkAndTurn   |            |  |  |
|            | enumeration                        | WorkAndTumble |            |  |  |
|            | enumeration                        | Perfected     |            |  |  |

## element Press

| Element Tests     |                            |                              |                                 |            |
|-------------------|----------------------------|------------------------------|---------------------------------|------------|
| type alternatives | Test                       | XPathDefaultNs               | Type                            | Annotation |
|                   | count(attribute::*) eq '2' |                              | <a href="#">PlantReference</a>  |            |
|                   | count(attribute::*) gt '2' |                              | <a href="#">PressDefinition</a> |            |
| used by           | element                    | <a href="#">ResourcePool</a> |                                 |            |

## element PressRef

|            |                                                                                                          |                           |     |         |       |            |
|------------|----------------------------------------------------------------------------------------------------------|---------------------------|-----|---------|-------|------------|
| properties | content    complex                                                                                       |                           |     |         |       |            |
| children   | <a href="#">PrintingMethods</a> <a href="#">PressCalculated</a>                                          |                           |     |         |       |            |
| used by    | elements <a href="#">AutoPlanProductionMethod</a> <a href="#">PressRefPool</a> <a href="#">SheetSide</a> |                           |     |         |       |            |
| attributes | Name                                                                                                     | Type                      | Use | Default | Fixed | Annotation |
|            | <a href="#">rRef</a>                                                                                     | <a href="#">RefIDType</a> |     |         |       |            |
|            | <a href="#">IncludeColorBarMargin</a>                                                                    | <b>xs:boolean</b>         |     | true    |       |            |

attribute **PressRef/@rRef**

|        |                           |       |            |
|--------|---------------------------|-------|------------|
| type   | <a href="#">RefIDType</a> |       |            |
| facets | Kind                      | Value | Annotation |
|        | minLength                 | 0     |            |
|        | maxLength                 | 250   |            |

attribute **PressRef/@IncludeColorBarMargin**

|            |                   |      |  |
|------------|-------------------|------|--|
| type       | <b>xs:boolean</b> |      |  |
| properties | default           | true |  |

element **PressRef/PressCalculated**

|            |        |   |
|------------|--------|---|
| properties | minOcc | 0 |
|            | maxOcc | 1 |

element **PressRefPool**

|            |                          |                                                              |
|------------|--------------------------|--------------------------------------------------------------|
| properties | content                  | complex                                                      |
| children   | <a href="#">PressRef</a> |                                                              |
| used by    | elements                 | <a href="#">AutoPlanHints</a> <a href="#">AutoProduction</a> |

element **PreviousInventoryItemStock**

|            |                               |                                     |     |         |       |            |
|------------|-------------------------------|-------------------------------------|-----|---------|-------|------------|
| type       | extension of <b>xs:string</b> |                                     |     |         |       |            |
| properties | content                       | complex                             |     |         |       |            |
| used by    | element                       | <a href="#">Stock</a>               |     |         |       |            |
| attributes | Name                          | Type                                | Use | Default | Fixed | Annotation |
|            | <a href="#">OLD_MIS_ID</a>    | <a href="#">TextType</a> <b>Max</b> |     |         |       |            |

attribute **PreviousInventoryItemStock/@OLD\_MIS\_ID**

|        |                                     |       |            |
|--------|-------------------------------------|-------|------------|
| type   | <a href="#">TextType</a> <b>Max</b> |       |            |
| facets | Kind                                | Value | Annotation |
|        | minLength                           | 0     |            |
|        | maxLength                           | 250   |            |

element **PrintingMethods**

|            |                           |                                                                                       |     |         |       |                                                                                                                                   |
|------------|---------------------------|---------------------------------------------------------------------------------------|-----|---------|-------|-----------------------------------------------------------------------------------------------------------------------------------|
| properties | content                   | complex                                                                               |     |         |       |                                                                                                                                   |
| used by    | elements                  | <a href="#">AutoPlanHints</a> <a href="#">AutoProduction</a> <a href="#">PressRef</a> |     |         |       |                                                                                                                                   |
| attributes | Name                      | Type                                                                                  | Use | Default | Fixed | Annotation                                                                                                                        |
|            | <a href="#">Sheetwise</a> | <b>xs:boolean</b>                                                                     |     | false   |       | documentation<br>This attribute is only required if its value is True, in which case this printing method will be included in the |

|  |                               |            |       |                                                                                                                                                                                  |
|--|-------------------------------|------------|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | <a href="#">WorkAndTurn</a>   | xs:boolean | false | AutoProduction tests.<br>documentation<br>This attribute is only required if its value is True, in which case this printing method will be included in the AutoProduction tests. |
|  | <a href="#">WorkAndTumble</a> | xs:boolean | false | documentation<br>This attribute is only required if its value is True, in which case this printing method will be included in the AutoProduction tests.                          |
|  | <a href="#">OneSided</a>      | xs:boolean | false | documentation<br>This attribute is only required if its value is True, in which case this printing method will be included in the AutoProduction tests.                          |
|  | <a href="#">Perfected</a>     | xs:boolean | false | documentation<br>This attribute is only required if its value is True, in which case this printing method will be included in the AutoProduction tests.                          |

attribute **PrintingMethods/@Sheetwise**

|            |                                                                                                                                                         |
|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|
| type       | xs:boolean                                                                                                                                              |
| properties | default false                                                                                                                                           |
| annotation | documentation<br>This attribute is only required if its value is True, in which case this printing method will be included in the AutoProduction tests. |

attribute **PrintingMethods/@WorkAndTurn**

|            |                                                                                                                                                         |
|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|
| type       | xs:boolean                                                                                                                                              |
| properties | default false                                                                                                                                           |
| annotation | documentation<br>This attribute is only required if its value is True, in which case this printing method will be included in the AutoProduction tests. |

attribute **PrintingMethods/@WorkAndTumble**

|      |            |
|------|------------|
| type | xs:boolean |
|------|------------|

|            |                                                                                                                                                         |
|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|
| properties | default false                                                                                                                                           |
| annotation | documentation<br>This attribute is only required if its value is True, in which case this printing method will be included in the AutoProduction tests. |

attribute **PrintingMethods/@OneSided**

|            |                                                                                                                                                         |
|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|
| type       | xs:boolean                                                                                                                                              |
| properties | default false                                                                                                                                           |
| annotation | documentation<br>This attribute is only required if its value is True, in which case this printing method will be included in the AutoProduction tests. |

attribute **PrintingMethods/@Perfected**

|            |                                                                                                                                                         |
|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|
| type       | xs:boolean                                                                                                                                              |
| properties | default false                                                                                                                                           |
| annotation | documentation<br>This attribute is only required if its value is True, in which case this printing method will be included in the AutoProduction tests. |

element **ProcessColorMarkColor**

|            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| properties | content complex                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| children   | <a href="#">CMYKColorRef</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| used by    | element <a href="#">ResourcePool</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| attributes | <div> <div>Name</div> <div>Type</div> <div>Use</div> <div>Default</div> <div>Fixed</div> <div>Annotation</div> </div> <div> <div><a href="#">ID</a></div> <div><a href="#">RefIDType</a></div> <div>required</div> <div></div> <div></div> <div> documentation<br/>An identifier for the element, unique within the scope of the MXML document. The ID attribute can be used as a reference to the element from elsewhere in the MXML document. Up to 250 characters. </div> </div> |

attribute **ProcessColorMarkColor/@ID**

|            |                                                                                                                                                                                                                     |
|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| type       | <a href="#">RefIDType</a>                                                                                                                                                                                           |
| properties | use required                                                                                                                                                                                                        |
| facets     | <div> <div>Kind</div> <div>Value</div> <div>Annotation</div> </div> <div> <div>minLength</div> <div>0</div> <div></div> </div> <div> <div>maxLength</div> <div>250</div> <div></div> </div>                         |
| annotation | documentation<br>An identifier for the element, unique within the scope of the MXML document. The ID attribute can be used as a reference to the element from elsewhere in the MXML document. Up to 250 characters. |

element **ProcessColorMarkColor/CMYKColorRef**

|            |                                                                                                                                                                                                                                     |                                   |     |         |       |            |
|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|-----|---------|-------|------------|
| type       | <a href="#">ResourceRefElementType</a>                                                                                                                                                                                              |                                   |     |         |       |            |
| properties | content    complex                                                                                                                                                                                                                  |                                   |     |         |       |            |
| attributes | Name<br><a href="#">rRef</a>                                                                                                                                                                                                        | Type<br><a href="#">RefIDType</a> | Use | Default | Fixed | Annotation |
| annotation | documentation<br>A reference to a CMYKColor element in the ResourcePool that can be used to represent this ink color on-screen. A reference element has a single rRef attribute matching the ID attribute of the CMYKColor element. |                                   |     |         |       |            |

element **Product**

|            |                                                                                                                                                                                                                                                                             |                                                      |     |         |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------|-----|---------|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| type       | extension of <a href="#">ProductContentType</a>                                                                                                                                                                                                                             |                                                      |     |         |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| properties | content    complex                                                                                                                                                                                                                                                          |                                                      |     |         |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| children   | <a href="#">PagePool</a> <a href="#">DisplayColor</a> <a href="#">ComponentPool</a> <a href="#">ComponentHints</a> <a href="#">CustomerContactRef</a> <a href="#">BindingMachineRef</a> <a href="#">Shingling</a> <a href="#">Content2ndUp</a> <a href="#">Content3rdUp</a> |                                                      |     |         |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| used by    | element <a href="#">ProductPool</a>                                                                                                                                                                                                                                         |                                                      |     |         |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| attributes | Name<br><a href="#">ContentFile</a>                                                                                                                                                                                                                                         | Type<br><a href="#">TextType</a> <a href="#">Max</a> | Use | Default | Fixed | Annotation<br>documentation<br>Single content file, can't be used with FrontContentFile or BackContentFile. A string that identifies a PDF content file for a flat or folded product as an absolute path and file name. Up to 250 characters.<br>documentation<br>Used with BackContentFile, must not be used with ContentFile<br>documentation<br>Used with FrontContentFile, must not be used with ContentFile<br>documentation<br>May only be used for Bound products. (overrides ContentFile).<br>A string that identifies a PDF content file for a bound product's text as an absolute path and file name. A bound product's text is defined as all components whose Cover = False. Up to 250 characters.<br>documentation |
|            | <a href="#">FrontContentFile</a>                                                                                                                                                                                                                                            | <a href="#">TextType</a> <a href="#">Max</a>         |     |         |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|            | <a href="#">BackContentFile</a>                                                                                                                                                                                                                                             | <a href="#">TextType</a> <a href="#">Max</a>         |     |         |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|            | <a href="#">TextContentFile</a>                                                                                                                                                                                                                                             | <a href="#">TextType</a> <a href="#">Max</a>         |     |         |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|            | <a href="#">CoverContentFile</a>                                                                                                                                                                                                                                            | <a href="#">TextType</a> <a href="#">Max</a>         |     |         |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

|  |                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|--|-----------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | <p><a href="#">ContentPositionRule</a></p> <p><a href="#">ContentPositionRuleType</a></p>     | <p>May only be used for Bound products. A string that identifies a PDF content file for a bound product's cover as an absolute path and file name. A cover is a component whose Cover = True. Up to 250 characters.</p> <p><a href="#">documentation</a></p> <p>Non-Bound products only. Determines how to position PDF content file pages for a flat or folded product. If not supplied, defaults to the user-defined default in Metrix. This rule is not tested when importing MXML into Metrix, but is tested when exporting any prepress data (Imposed PDF or JDF Imposition).</p> <p><a href="#">documentation</a></p> |
|  | <p><a href="#">TextContentPositionRule</a></p> <p><a href="#">ContentPositionRuleType</a></p> | <p>Bound Products only. Determines how to position PDF content file pages for a bound product's text. If not supplied, defaults to the user-defined default in Metrix. This rule is not tested when importing MXML into Metrix, but is tested when exporting any prepress data (Imposed PDF or JDF Imposition).</p> <p><a href="#">documentation</a></p> <p>Determines how to position PDF content file pages for a bound product's text. If not supplied, defaults to the user-defined default in Metrix. This rule is not tested when</p>                                                                                 |

|  |                                          |                                               |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|--|------------------------------------------|-----------------------------------------------|----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | <a href="#">CoverContentPositionRule</a> | <a href="#">ContentPositionRuleType</a>       |          | <p>importing MXML into Metrix, but is tested when exporting any prepress data (Imposed PDF or JDF Imposition). documentation</p> <p>Bound Products only.</p> <p>Determines how to position PDF content file pages for a bound product's cover. If not supplied, defaults to the user-defined default in Metrix. This rule is not tested when importing MXML into Metrix, but is tested when exporting any prepress data (Imposed PDF or JDF Imposition). documentation</p> <p>Bound Product Only</p> <p>If not supplied, defaults to HeadToJog.</p> <p>documentation</p> <p>A user-definable description for the product. If not supplied, defaults to an empty string. Up to 250 characters.</p> <p>documentation</p> <p>Diecut Product only, Metrix no longer write this field. If it is there when read, it will be used as the default choice for any components. Up to 30 characters.</p> <p>documentation</p> <p>A user-definable due date for the product. If not supplied, defaults to an empty string. Up to 250 characters.</p> <p>documentation</p> <p>Flat or DieCut limited to sheet size, Folded or</p> |
|  | <a href="#">BindingNumberUp</a>          | <a href="#">BindingNumberUpType</a>           | 1        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|  | <a href="#">ContentOrientation</a>       | <a href="#">ProductContentOrientationType</a> |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|  | <a href="#">CustomerRequiredDate</a>     | <a href="#">ISO8601DateType</a>               |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|  | <a href="#">Description</a>              | <a href="#">TextType_2010</a>                 |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|  | <a href="#">DielineColor</a>             | <a href="#">TextType_Short</a>                | optional |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|  | <a href="#">DueDate</a>                  | <a href="#">TextType_Max</a>                  |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|  | <a href="#">FinishedTrimHeight</a>       | <a href="#">LinearDimensionType</a>           | required |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

|  |                                   |                                                           |          |   |                                                                                                                                                                                                                                                                                                                                                                                                             |
|--|-----------------------------------|-----------------------------------------------------------|----------|---|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | <a href="#">FinishedTrimWidth</a> | <a href="#">LinearDimensionType</a>                       | required |   | <p>Bound limited to 30" or 762mm. The finished trim height of the product in the document's unit. The valid range has changed since earlier versions of Metrix.</p> <p>documentation</p> <p>Flat or DieCut limited to sheet size, Folded or Bound limited to 30" or 762mm. The finished trim width of the product in the document's unit. The valid range has changed since earlier versions of Metrix.</p> |
|  | <a href="#">ID</a>                | <a href="#">RefIDType</a>                                 | required |   | <p>documentation</p> <p>An identifier for the element, unique within the scope of the MXML document. The ID attribute can be used as a reference to the element from elsewhere in the MXML document. Up to 250 characters.</p>                                                                                                                                                                              |
|  | <a href="#">LogTrim</a>           | <a href="#">LinearDimensionType</a>                       |          |   | <p>documentation</p> <p>Bound Products only. Default value and limits set by referenced</p>                                                                                                                                                                                                                                                                                                                 |
|  | <a href="#">SpineTrim</a>         | <a href="#">LinearDimensionType</a>                       |          |   | <p>Binding Machine.</p> <p>documentation</p> <p>Bound Products only. Default value andl limits set by referenced</p>                                                                                                                                                                                                                                                                                        |
|  | <a href="#">SpineWidth</a>        | <b>derived by:</b><br><a href="#">LinearDimensionType</a> |          | 0 | <p>Binding Machine.</p> <p>documentation</p> <p>Bound Products only. Maximum set by referenced</p>                                                                                                                                                                                                                                                                                                          |
|  | <a href="#">MIS_GROUP_ID</a>      | <a href="#">TextType Max</a>                              |          |   |                                                                                                                                                                                                                                                                                                                                                                                                             |
|  | <a href="#">MIS_ID</a>            | <a href="#">TextType Max</a>                              |          |   | <p>documentation</p> <p>A globally unique identifier (GUID) for the product that identifies the product to the originating MIS system. If not supplied, defaults to an empty string. If supplied,</p>                                                                                                                                                                                                       |

|            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|            | <p><a href="#">Name</a> <a href="#">TextType 2010</a></p> <p><a href="#">Notes</a> <a href="#">TextType 2010</a></p> <p><a href="#">NthUpOrientation</a> <a href="#">ProductNthUpOrientationType</a> HeadToFoot</p> <p><a href="#">NUpCommonContent</a> <b>xs:boolean</b> false</p> <p><a href="#">ProduceExactQuantity</a> <b>xs:boolean</b> false</p> <p><a href="#">QuantityAllowedOvers</a> <b>xs:nonNegativeInteger</b> 0</p> <p><a href="#">QuantityAllowedUnders</a> <b>xs:nonNegativeInteger</b> 0</p> <p><a href="#">RecalculateBinderyAssembly</a> <b>xs:boolean</b> false</p> <p><a href="#">RequiredQuantity</a> <b>xs:integer</b> required</p> <p><a href="#">SpineSide</a> <a href="#">LeftRightType</a></p> <p><a href="#">Type</a> <a href="#">ProductTypeType</a> required</p> | <p>will not be editable within Metrix. Up to 250 characters.</p> <p>documentation<br/>A user-definable name for the product. If not supplied, defaults to an empty string. Up to 2010 characters.</p> <p>documentation<br/>User-definable notes for the product. If not supplied, defaults to an empty string. Up to 2010 characters.</p> <p>documentation<br/>If not supplied, defaults to HeadToFoot. Ignored if BindingNumberUp = 1.</p> <p>documentation<br/>If n-up bound products have common content or not.</p> <p>documentation<br/>Whether to produce the exact Required Quantity or to allow overs.</p> <p>documentation<br/>Only used for Die-cut Products Using Die-cutting Tool. Determines the number of overs that are permitted.</p> <p>documentation<br/>Not used.</p> <p>documentation<br/>The required finished quantity of the product. An integer in the valid range 1 – 999,999,999.</p> <p>documentation<br/>Side of product spine is on. Ignored if not bound product. If not supplied, defaults to Left.</p> <p>documentation<br/>The type of product.</p> |
| annotation | <p>documentation<br/>One of ComponentHints or ComponentPool is required.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |

attribute **Product/@BindingNumberUp**

|            |                                     |       |            |
|------------|-------------------------------------|-------|------------|
| type       | <a href="#">BindingNumberUpType</a> |       |            |
| properties | default                             | 1     |            |
| facets     | Kind                                | Value | Annotation |
|            | minInclusive                        | 1     |            |
|            | maxInclusive                        | 3     |            |
| annotation | documentation<br>Bound Product Only |       |            |

attribute **Product/@ContentOrientation**

|            |                                                          |           |            |
|------------|----------------------------------------------------------|-----------|------------|
| type       | <a href="#">ProductContentOrientationType</a>            |           |            |
| facets     | Kind                                                     | Value     | Annotation |
|            | enumeration                                              | HeadToJog |            |
|            | enumeration                                              | FootToJog |            |
| annotation | documentation<br>If not supplied, defaults to HeadToJog. |           |            |

attribute **Product/@CustomerRequiredDate**

|      |                                 |  |  |
|------|---------------------------------|--|--|
| type | <a href="#">ISO8601DateType</a> |  |  |
|------|---------------------------------|--|--|

attribute **Product/@Description**

|            |                                                                                                                                    |       |            |
|------------|------------------------------------------------------------------------------------------------------------------------------------|-------|------------|
| type       | <a href="#">TextType 2010</a>                                                                                                      |       |            |
| facets     | Kind                                                                                                                               | Value | Annotation |
|            | minLength                                                                                                                          | 0     |            |
|            | maxLength                                                                                                                          | 2010  |            |
| annotation | documentation<br>A user-definable description for the product. If not supplied, defaults to an empty string. Up to 250 characters. |       |            |

attribute **Product/@DielineColor**

|            |                                                                                                                                                                                   |          |            |
|------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|------------|
| type       | <a href="#">TextType Short</a>                                                                                                                                                    |          |            |
| properties | use                                                                                                                                                                               | optional |            |
| facets     | Kind                                                                                                                                                                              | Value    | Annotation |
|            | minLength                                                                                                                                                                         | 0        |            |
|            | maxLength                                                                                                                                                                         | 30       |            |
| annotation | documentation<br>Diecut Product only, Metrix no longer write this field. If it is there when read, it will be used as the default choice for any components. Up to 30 characters. |          |            |

attribute **Product/@DueDate**

|            |                                                                                                                                 |       |            |
|------------|---------------------------------------------------------------------------------------------------------------------------------|-------|------------|
| type       | <a href="#">TextType Max</a>                                                                                                    |       |            |
| facets     | Kind                                                                                                                            | Value | Annotation |
|            | minLength                                                                                                                       | 0     |            |
|            | maxLength                                                                                                                       | 250   |            |
| annotation | documentation<br>A user-definable due date for the product. If not supplied, defaults to an empty string. Up to 250 characters. |       |            |

attribute **Product/@FinishedTrimHeight**

|            |                                                                                                                                                                                                                               |
|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| type       | <a href="#">LinearDimensionType</a>                                                                                                                                                                                           |
| properties | use required                                                                                                                                                                                                                  |
| annotation | documentation<br>Flat or DieCut limited to sheet size, Folded or Bound limited to 30" or 762mm. The finished trim height of the product in the document's unit. The valid range has changed since earlier versions of Metrix. |

attribute **Product/@FinishedTrimWidth**

|            |                                                                                                                                                                                                                              |
|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| type       | <a href="#">LinearDimensionType</a>                                                                                                                                                                                          |
| properties | use required                                                                                                                                                                                                                 |
| annotation | documentation<br>Flat or DieCut limited to sheet size, Folded or Bound limited to 30" or 762mm. The finished trim width of the product in the document's unit. The valid range has changed since earlier versions of Metrix. |

attribute **Product/@ID**

|            |                                                                                                                                                                                                                     |       |            |
|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------------|
| type       | <a href="#">RefIDType</a>                                                                                                                                                                                           |       |            |
| properties | use required                                                                                                                                                                                                        |       |            |
| facets     | Kind                                                                                                                                                                                                                | Value | Annotation |
|            | minLength                                                                                                                                                                                                           | 0     |            |
|            | maxLength                                                                                                                                                                                                           | 250   |            |
| annotation | documentation<br>An identifier for the element, unique within the scope of the MXML document. The ID attribute can be used as a reference to the element from elsewhere in the MXML document. Up to 250 characters. |       |            |

attribute **Product/@JogTrim**

|            |                                                                                                   |
|------------|---------------------------------------------------------------------------------------------------|
| type       | <a href="#">LinearDimensionType</a>                                                               |
| annotation | documentation<br>Bound Products only. Default value and limits set by referenced Binding Machine. |

attribute **Product/@SpineTrim**

|            |                                                                                                   |
|------------|---------------------------------------------------------------------------------------------------|
| type       | <a href="#">LinearDimensionType</a>                                                               |
| annotation | documentation<br>Bound Products only. Default value and limits set by referenced Binding Machine. |

attribute **Product/@SpineWidth**

|            |                                                                                  |       |            |
|------------|----------------------------------------------------------------------------------|-------|------------|
| type       | restriction of <a href="#">LinearDimensionType</a>                               |       |            |
| properties | default 0                                                                        |       |            |
| facets     | Kind                                                                             | Value | Annotation |
|            | minInclusive                                                                     | 0     |            |
| annotation | documentation<br>Bound Products only. Maximum set by referenced Binding Machine. |       |            |

attribute **Product/@MIS\_GROUP\_ID**

|        |                              |       |            |
|--------|------------------------------|-------|------------|
| type   | <a href="#">TextType Max</a> |       |            |
| facets | Kind                         | Value | Annotation |
|        | minLength                    | 0     |            |
|        | maxLength                    | 250   |            |

attribute **Product/@MIS\_ID**

|            |                                                                                                                                                                                                                                                      |       |            |
|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------------|
| type       | <a href="#">TextType Max</a>                                                                                                                                                                                                                         |       |            |
| facets     | Kind                                                                                                                                                                                                                                                 | Value | Annotation |
|            | minLength                                                                                                                                                                                                                                            | 0     |            |
|            | maxLength                                                                                                                                                                                                                                            | 250   |            |
| annotation | documentation<br>A globally unique identifier (GUID) for the product that identifies the product to the originating MIS system. If not supplied, defaults to an empty string. If supplied, will not be editable within Metrix. Up to 250 characters. |       |            |

attribute **Product/@Name**

|            |                                                                                                                              |       |            |
|------------|------------------------------------------------------------------------------------------------------------------------------|-------|------------|
| type       | <a href="#">TextType 2010</a>                                                                                                |       |            |
| facets     | Kind                                                                                                                         | Value | Annotation |
|            | minLength                                                                                                                    | 0     |            |
|            | maxLength                                                                                                                    | 2010  |            |
| annotation | documentation<br>A user-definable name for the product. If not supplied, defaults to an empty string. Up to 2010 characters. |       |            |

attribute **Product/@Notes**

|            |                                                                                                                             |       |            |
|------------|-----------------------------------------------------------------------------------------------------------------------------|-------|------------|
| type       | <a href="#">TextType 2010</a>                                                                                               |       |            |
| facets     | Kind                                                                                                                        | Value | Annotation |
|            | minLength                                                                                                                   | 0     |            |
|            | maxLength                                                                                                                   | 2010  |            |
| annotation | documentation<br>User-definable notes for the product. If not supplied, defaults to an empty string. Up to 2010 characters. |       |            |

attribute **Product/@NthUpOrientation**

|            |                                                                                           |            |            |
|------------|-------------------------------------------------------------------------------------------|------------|------------|
| type       | <a href="#">ProductNthUpOrientationType</a>                                               |            |            |
| properties | default                                                                                   | HeadToFoot |            |
| facets     | Kind                                                                                      | Value      | Annotation |
|            | enumeration                                                                               | HeadToHead |            |
|            | enumeration                                                                               | HeadToFoot |            |
|            | enumeration                                                                               | FootToFoot |            |
| annotation | documentation<br>If not supplied, defaults to HeadToFoot. Ignored if BindingNumberUp = 1. |            |            |

attribute **Product/@NUpCommonContent**

|            |                                                                     |
|------------|---------------------------------------------------------------------|
| type       | xs:boolean                                                          |
| properties | default false                                                       |
| annotation | documentation<br>If n-up bound products have common content or not. |

attribute **Product/@ProduceExactQuantity**

|            |                                                                                    |
|------------|------------------------------------------------------------------------------------|
| type       | <b>xs:boolean</b>                                                                  |
| properties | default false                                                                      |
| annotation | documentation<br>Whether to produce the exact Required Quantity or to allow overs. |

attribute **Product/@QuantityAllowedOvers**

|            |                                                                                                                            |
|------------|----------------------------------------------------------------------------------------------------------------------------|
| type       | <b>xs:nonNegativeInteger</b>                                                                                               |
| properties | default 0                                                                                                                  |
| annotation | documentation<br>Only used for Die-cut Products Using Die-cutting Tool. Determines the number of overs that are permitted. |

attribute **Product/@QuantityAllowedUnders**

|            |                              |
|------------|------------------------------|
| type       | <b>xs:nonNegativeInteger</b> |
| properties | default 0                    |
| annotation | documentation<br>Not used.   |

attribute **Product/@RecalculateBinderyAssembly**

|            |                   |
|------------|-------------------|
| type       | <b>xs:boolean</b> |
| properties | default false     |

attribute **Product/@RequiredQuantity**

|            |                                                                                                                |
|------------|----------------------------------------------------------------------------------------------------------------|
| type       | <b>xs:integer</b>                                                                                              |
| properties | use required                                                                                                   |
| annotation | documentation<br>The required finished quantity of the product. An integer in the valid range 1 – 999,999,999. |

attribute **Product/@SpineSide**

|            |                                                                                                                |       |            |
|------------|----------------------------------------------------------------------------------------------------------------|-------|------------|
| type       | <a href="#">LeftRightType</a>                                                                                  |       |            |
| facets     | Kind                                                                                                           | Value | Annotation |
|            | enumeration                                                                                                    | Left  |            |
|            | enumeration                                                                                                    | Right |            |
| annotation | documentation<br>Side of product spine is on. Ignored if not bound product. If not supplied, defaults to Left. |       |            |

attribute **Product/@Type**

|            |                                 |        |            |
|------------|---------------------------------|--------|------------|
| type       | <a href="#">ProductTypeType</a> |        |            |
| properties | use required                    |        |            |
| facets     | Kind                            | Value  | Annotation |
|            | enumeration                     | Flat   |            |
|            | enumeration                     | Folded |            |

|            |                                               |
|------------|-----------------------------------------------|
|            | enumeration    Bound<br>enumeration    DieCut |
| annotation | documentation<br>The type of product.         |

#### element **Product/CustomerContactRef**

|            |                                                                                            |                                   |     |         |       |            |
|------------|--------------------------------------------------------------------------------------------|-----------------------------------|-----|---------|-------|------------|
| type       | <a href="#">ResourceRefElementType</a>                                                     |                                   |     |         |       |            |
| properties | minOcc    0<br>maxOcc    1<br>content    complex                                           |                                   |     |         |       |            |
| attributes | Name<br><a href="#">rRef</a>                                                               | Type<br><a href="#">RefIDType</a> | Use | Default | Fixed | Annotation |
| annotation | documentation<br>A reference to the product's CustomerContact element in the ResourcePool. |                                   |     |         |       |            |

#### element **Product/BindingMachineRef**

|            |                                                                                                                                         |                                   |     |         |       |            |
|------------|-----------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|-----|---------|-------|------------|
| type       | <a href="#">ResourceRefElementType</a>                                                                                                  |                                   |     |         |       |            |
| properties | minOcc    0<br>maxOcc    1<br>content    complex                                                                                        |                                   |     |         |       |            |
| attributes | Name<br><a href="#">rRef</a>                                                                                                            | Type<br><a href="#">RefIDType</a> | Use | Default | Fixed | Annotation |
| annotation | documentation<br>Bound Product only. A reference to the product's BindingMachine element in the ResourcePool. Required if Type = Bound. |                                   |     |         |       |            |

#### element **ProductionRate**

|            |                                            |                                   |          |              |       |                                                                                                                         |
|------------|--------------------------------------------|-----------------------------------|----------|--------------|-------|-------------------------------------------------------------------------------------------------------------------------|
| properties | content    complex                         |                                   |          |              |       |                                                                                                                         |
| used by    | element <a href="#">ProductionRatePool</a> |                                   |          |              |       |                                                                                                                         |
| attributes | Name<br><a href="#">MaxCuts</a>            | Type<br><b>xs:positiveInteger</b> | Use      | Default<br>1 | Fixed | Annotation<br>documentation<br>Maximum number of cuts per the specified production rate. This is the "To (cuts)" value. |
|            | <a href="#">HoursSetup</a>                 | <b>xs:float</b>                   | required |              |       | documentation<br>Time required to set up the cutting machine for the specified range of cuts.                           |
|            | <a href="#">HoursPerLift</a>               | <b>xs:float</b>                   | required |              |       | documentation<br>Time required for each lift for the specified range of cuts.                                           |

#### attribute **ProductionRate/@MaxCuts**

|            |                                                                                                           |
|------------|-----------------------------------------------------------------------------------------------------------|
| type       | <b>xs:positiveInteger</b>                                                                                 |
| properties | default    1                                                                                              |
| annotation | documentation<br>Maximum number of cuts per the specified production rate. This is the "To (cuts)" value. |

attribute **ProductionRate/@HoursSetup**

|            |                                                                                               |
|------------|-----------------------------------------------------------------------------------------------|
| type       | <b>xs:float</b>                                                                               |
| properties | use required                                                                                  |
| annotation | documentation<br>Time required to set up the cutting machine for the specified range of cuts. |

attribute **ProductionRate/@HoursPerLift**

|            |                                                                               |
|------------|-------------------------------------------------------------------------------|
| type       | <b>xs:float</b>                                                               |
| properties | use required                                                                  |
| annotation | documentation<br>Time required for each lift for the specified range of cuts. |

element **ProductionRatePool**

|            |                                                      |
|------------|------------------------------------------------------|
| properties | content complex                                      |
| children   | <a href="#">ProductionRate</a>                       |
| used by    | complexType <a href="#">CuttingMachineDefinition</a> |

element **ProductPool**

|            |                                            |
|------------|--------------------------------------------|
| properties | content complex                            |
| children   | <a href="#">Product</a>                    |
| used by    | elements <a href="#">MetrixXML Project</a> |

element **Project**

|            |                                                                                                                                               |                               |     |         |       |                                                                                                                                     |
|------------|-----------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|-----|---------|-------|-------------------------------------------------------------------------------------------------------------------------------------|
| properties | content    complex                                                                                                                            |                               |     |         |       |                                                                                                                                     |
| children   | <a href="#">ProductPool</a> <a href="#">ProjectDefaults</a> <a href="#">LayoutPool</a> <a href="#">TaskInfo</a> <a href="#">ScenariosPool</a> |                               |     |         |       |                                                                                                                                     |
| used by    | element <a href="#">MetrixXML</a>                                                                                                             |                               |     |         |       |                                                                                                                                     |
| attributes | Name                                                                                                                                          | Type                          | Use | Default | Fixed | Annotation                                                                                                                          |
|            | <a href="#">Name</a>                                                                                                                          | <a href="#">TextType 2010</a> |     |         |       | documentation<br>A user-definable name for the project. If not supplied, defaults to an empty string. Up to 2010 characters.        |
|            | <a href="#">Description</a>                                                                                                                   | <a href="#">TextType 2010</a> |     |         |       | documentation<br>A user-definable description for the project. If not supplied, defaults to an empty string. Up to 2010 characters. |
|            | <a href="#">Notes</a>                                                                                                                         | <a href="#">TextType 2010</a> |     |         |       | documentation<br>User-definable notes for the project. If not supplied, defaults to an empty string. Up to 2010 characters.         |
|            | <a href="#">MIS_ID</a>                                                                                                                        | <a href="#">TextType_Max</a>  |     |         |       | documentation<br>A globally unique identifier (GUID) for the project that identifies the project to the                             |

|                                               |                                 |          |                                                                                                                                                                                                                                                                                                                                                                 |
|-----------------------------------------------|---------------------------------|----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <a href="#">ProjectID</a>                     | <a href="#">TextType Max</a>    | required | <p>originating MIS system. If not supplied, defaults to an empty string. If supplied, will not be editable within Metrix. Up to 250 characters.</p> <p>documentation</p> <p>A user-definable unique identifier for the project. Up to 250 characters.</p> <p>documentation</p>                                                                                  |
| <a href="#">AutoNumberOut</a>                 | <b>xs:boolean</b>               | true     | <p>Whether the project should automatically calculate the number out of each component on a layout, based on each component's 'Required Quantity' property, or whether this should be determined by the component's 'Requested Number Out' property (the Component element's RequestedNumberOut). If not supplied, defaults to True.</p> <p>documentation</p>   |
| <a href="#">ReadOnly</a>                      | <b>xs:boolean</b>               | false    | <p>This is not written by Metrix, but some older MXML files may contain it, so we allow it to exist. It will be ignored if found.</p> <p>documentation</p>                                                                                                                                                                                                      |
| <a href="#">OverwriteProjectIfExists</a>      | <b>xs:boolean</b>               | false    | <p>Whether or not to overwrite an existing project with the same name.</p> <p>documentation</p>                                                                                                                                                                                                                                                                 |
| <a href="#">RampageJobTemplateDescription</a> | <a href="#">TextType Medium</a> |          | <p>documentation</p> <p>If no RampageJobTemplate exists in the database matching the RampageJobTemplateName, then a new RampageJobTemplate is created with this as the description. Up to 90 characters.</p>                                                                                                                                                    |
| <a href="#">RampageJobTemplateName</a>        | <a href="#">TextType Medium</a> |          | <p>documentation</p> <p>Used to populate the RampageJobTemplate project property. (NOTE: This property is only visible in Metrix when Rampage workflow is selected.) If a matching RampageJobTemplate exists in the database it is used. If no matching RampageJobTemplate exists in the database one is created. Up to 90 characters.</p> <p>documentation</p> |
| <a href="#">StopBleedsOverlapping</a>         | <b>xs:boolean</b>               | true     | <p>Whether the project should automatically stop bleeds from overlapping on layouts. If not supplied, defaults to value set in preference file.</p>                                                                                                                                                                                                             |

attribute **Project/@Name**

|            |                                                                                                                              |       |            |
|------------|------------------------------------------------------------------------------------------------------------------------------|-------|------------|
| type       | <a href="#">TextType 2010</a>                                                                                                |       |            |
| facets     | Kind                                                                                                                         | Value | Annotation |
|            | minLength                                                                                                                    | 0     |            |
|            | maxLength                                                                                                                    | 2010  |            |
| annotation | documentation<br>A user-definable name for the project. If not supplied, defaults to an empty string. Up to 2010 characters. |       |            |

attribute **Project/@Description**

|            |                                                                                                                                     |       |            |
|------------|-------------------------------------------------------------------------------------------------------------------------------------|-------|------------|
| type       | <a href="#">TextType 2010</a>                                                                                                       |       |            |
| facets     | Kind                                                                                                                                | Value | Annotation |
|            | minLength                                                                                                                           | 0     |            |
|            | maxLength                                                                                                                           | 2010  |            |
| annotation | documentation<br>A user-definable description for the project. If not supplied, defaults to an empty string. Up to 2010 characters. |       |            |

attribute **Project/@Notes**

|            |                                                                                                                             |       |            |
|------------|-----------------------------------------------------------------------------------------------------------------------------|-------|------------|
| type       | <a href="#">TextType 2010</a>                                                                                               |       |            |
| facets     | Kind                                                                                                                        | Value | Annotation |
|            | minLength                                                                                                                   | 0     |            |
|            | maxLength                                                                                                                   | 2010  |            |
| annotation | documentation<br>User-definable notes for the project. If not supplied, defaults to an empty string. Up to 2010 characters. |       |            |

attribute **Project/@MIS\_ID**

|            |                                                                                                                                                                                                                                                      |       |            |
|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------------|
| type       | <a href="#">TextType Max</a>                                                                                                                                                                                                                         |       |            |
| facets     | Kind                                                                                                                                                                                                                                                 | Value | Annotation |
|            | minLength                                                                                                                                                                                                                                            | 0     |            |
|            | maxLength                                                                                                                                                                                                                                            | 250   |            |
| annotation | documentation<br>A globally unique identifier (GUID) for the project that identifies the project to the originating MIS system. If not supplied, defaults to an empty string. If supplied, will not be editable within Metrix. Up to 250 characters. |       |            |

attribute **Project/@ProjectID**

|            |                                                                                            |          |            |
|------------|--------------------------------------------------------------------------------------------|----------|------------|
| type       | <a href="#">TextType Max</a>                                                               |          |            |
| properties | use                                                                                        | required |            |
| facets     | Kind                                                                                       | Value    | Annotation |
|            | minLength                                                                                  | 0        |            |
|            | maxLength                                                                                  | 250      |            |
| annotation | documentation<br>A user-definable unique identifier for the project. Up to 250 characters. |          |            |

attribute **Project/@AutoNumberOut**

|            |                   |      |  |
|------------|-------------------|------|--|
| type       | <b>xs:boolean</b> |      |  |
| properties | default           | true |  |

|            |                                                                                                                                                                                                                                                                                                                                                    |
|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| annotation | documentation<br>Whether the project should automatically calculate the number out of each component on a layout, based on each component's 'Required Quantity' property, or whether this should be determined by the component's 'Requested Number Out' property (the Component element's RequestedNumberOut). If not supplied, defaults to True. |
|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

#### attribute **Project/@ReadOnly**

|            |                                                                                                                                                 |
|------------|-------------------------------------------------------------------------------------------------------------------------------------------------|
| type       | <b>xs:boolean</b>                                                                                                                               |
| properties | default false                                                                                                                                   |
| annotation | documentation<br>This is not written by Metrix, but some older MXML files may contain it, so we allow it to exist. It will be ignored if found. |

#### attribute **Project/@OverwriteProjectIfExists**

|            |                                                                                      |
|------------|--------------------------------------------------------------------------------------|
| type       | <b>xs:boolean</b>                                                                    |
| properties | default false                                                                        |
| annotation | documentation<br>Whether or not to overwrite an existing project with the same name. |

#### attribute **Project/@RampageJobTemplateDescription**

|            |                                                                                                                                                                                                   |       |            |
|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------------|
| type       | <a href="#">TextType Medium</a>                                                                                                                                                                   |       |            |
| facets     | Kind                                                                                                                                                                                              | Value | Annotation |
|            | minLength                                                                                                                                                                                         | 0     |            |
|            | maxLength                                                                                                                                                                                         | 90    |            |
| annotation | documentation<br>If no RampageJobTemplate exists in the database matching the RampageJobTemplateName, then a new RampageJobTemplate is created with this as the description. Up to 90 characters. |       |            |

#### attribute **Project/@RampageJobTemplateName**

|            |                                                                                                                                                                                                                                                                                                                                 |       |            |
|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------------|
| type       | <a href="#">TextType Medium</a>                                                                                                                                                                                                                                                                                                 |       |            |
| facets     | Kind                                                                                                                                                                                                                                                                                                                            | Value | Annotation |
|            | minLength                                                                                                                                                                                                                                                                                                                       | 0     |            |
|            | maxLength                                                                                                                                                                                                                                                                                                                       | 90    |            |
| annotation | documentation<br>Used to populate the RampageJobTemplate project property. (NOTE: This property is only visible in Metrix when Rampage workflow is selected.) If a matching RampageJobTemplate exists in the database it is used. If no matching RampageJobTemplate exists in the database one is created. Up to 90 characters. |       |            |

#### attribute **Project/@StopBleedsOverlapping**

|            |                                                                                                                                                               |
|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|
| type       | <b>xs:boolean</b>                                                                                                                                             |
| properties | default true                                                                                                                                                  |
| annotation | documentation<br>Whether the project should automatically stop bleeds from overlapping on layouts. If not supplied, defaults to value set in preference file. |

#### element **Project/ScenariosPool**

|            |                      |
|------------|----------------------|
| properties | minOcc 0<br>maxOcc 1 |
|------------|----------------------|

## element **ProjectDefaults**

|            |                                               |                                                                   |          |         |       |                                                               |
|------------|-----------------------------------------------|-------------------------------------------------------------------|----------|---------|-------|---------------------------------------------------------------|
| properties | content                                       | complex                                                           |          |         |       |                                                               |
| used by    | element                                       | <a href="#">Project</a>                                           |          |         |       |                                                               |
| attributes | Name                                          | Type                                                              | Use      | Default | Fixed | Annotation                                                    |
|            | <a href="#">DefaultBleedValue</a>             | <a href="#">LinearDimension</a> <a href="#">PageBleed</a>         | required |         |       | documentation<br>The default bleed amount.                    |
|            | <a href="#">DefaultFlushFoldExcessMax</a>     | <a href="#">LinearDimension</a> <a href="#">FlushFoldExcess</a>   | required |         |       | documentation<br>The default Flush Fold Excess Maximum value. |
|            | <a href="#">DefaultNoBleedValue</a>           | <a href="#">LinearDimension</a> <a href="#">PageBleed</a>         | required |         |       | documentation<br>The default No Bleed value.                  |
|            | <a href="#">DefaultPageToBleedGap</a>         | <a href="#">LinearDimension</a> <a href="#">PageToBleedGap</a>    | required |         |       | documentation<br>The default Page to Bleed Gap value.         |
|            | <a href="#">DefaultRollFoldClearanceValue</a> | <a href="#">LinearDimension</a> <a href="#">RollFoldClearance</a> | required |         |       | documentation<br>The default Roll Fold Clearance value.       |
|            | <a href="#">DefaultTransparencyTolerance</a>  | <a href="#">TransparencyToleranceType</a>                         | required |         |       | documentation<br>The default Transparency Tolerance value.    |

## attribute **ProjectDefaults/@DefaultBleedValue**

|            |                                                           |          |            |
|------------|-----------------------------------------------------------|----------|------------|
| type       | <a href="#">LinearDimension</a> <a href="#">PageBleed</a> |          |            |
| properties | use                                                       | required |            |
| facets     | Kind                                                      | Value    | Annotation |
|            | minInclusive                                              | -152.4   |            |
|            | maxInclusive                                              | 50.8     |            |
| annotation | documentation<br>The default bleed amount.                |          |            |

## attribute **ProjectDefaults/@DefaultFlushFoldExcessMax**

|            |                                                                 |          |            |
|------------|-----------------------------------------------------------------|----------|------------|
| type       | <a href="#">LinearDimension</a> <a href="#">FlushFoldExcess</a> |          |            |
| properties | use                                                             | required |            |
| facets     | Kind                                                            | Value    | Annotation |
|            | minInclusive                                                    | 0        |            |
|            | maxInclusive                                                    | 6.35     |            |
| annotation | documentation<br>The default Flush Fold Excess Maximum value.   |          |            |

## attribute **ProjectDefaults/@DefaultNoBleedValue**

|            |                                                           |          |  |  |  |
|------------|-----------------------------------------------------------|----------|--|--|--|
| type       | <a href="#">LinearDimension</a> <a href="#">PageBleed</a> |          |  |  |  |
| properties | use                                                       | required |  |  |  |

|            |                                              |        |            |
|------------|----------------------------------------------|--------|------------|
| facets     | Kind                                         | Value  | Annotation |
|            | minInclusive                                 | -152.4 |            |
|            | maxInclusive                                 | 50.8   |            |
| annotation | documentation<br>The default No Bleed value. |        |            |

attribute **ProjectDefaults/@DefaultPageToBleedGap**

|            |                                                                |       |            |
|------------|----------------------------------------------------------------|-------|------------|
| type       | <a href="#">LinearDimension</a> <a href="#">PageToBleedGap</a> |       |            |
| properties | use required                                                   |       |            |
| facets     | Kind                                                           | Value | Annotation |
|            | minInclusive                                                   | 0     |            |
|            | maxInclusive                                                   | 50.8  |            |
| annotation | documentation<br>The default Page to Bleed Gap value.          |       |            |

attribute **ProjectDefaults/@DefaultRollFoldClearanceValue**

|            |                                                                   |       |            |
|------------|-------------------------------------------------------------------|-------|------------|
| type       | <a href="#">LinearDimension</a> <a href="#">RollFoldClearance</a> |       |            |
| properties | use required                                                      |       |            |
| facets     | Kind                                                              | Value | Annotation |
|            | minInclusive                                                      | 0     |            |
|            | maxInclusive                                                      | 25.4  |            |
| annotation | documentation<br>The default Roll Fold Clearance value.           |       |            |

attribute **ProjectDefaults/@DefaultTransparencyTolerance**

|            |                                                            |       |            |
|------------|------------------------------------------------------------|-------|------------|
| type       | <a href="#">TransparencyToleranceType</a>                  |       |            |
| properties | use required                                               |       |            |
| facets     | Kind                                                       | Value | Annotation |
|            | minInclusive                                               | 0     |            |
|            | maxInclusive                                               | 255   |            |
| annotation | documentation<br>The default Transparency Tolerance value. |       |            |

element **ProofingLines**

|            |                                                      |                           |          |         |       |                                                                                                                                                          |
|------------|------------------------------------------------------|---------------------------|----------|---------|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| properties | content complex                                      |                           |          |         |       |                                                                                                                                                          |
| children   | <a href="#">TrimLines</a> <a href="#">BleedLines</a> |                           |          |         |       |                                                                                                                                                          |
| used by    | element <a href="#">ResourcePool</a>                 |                           |          |         |       |                                                                                                                                                          |
| attributes | Name                                                 | Type                      | Use      | Default | Fixed | Annotation                                                                                                                                               |
|            | <a href="#">ID</a>                                   | <a href="#">RefIDType</a> | required |         |       | documentation<br>An identifier for the element, unique within the scope of the MXML document. The ID attribute can be used as a reference to the element |

|  |                                                                                                      |                                                                                                                                         |
|--|------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
|  | <a href="#">ThicknessPoints</a> <a href="#">PointsType</a> <a href="#">MaxMarkThickness</a> required | from elsewhere in the MXML document. Up to 250 characters.<br>documentation<br>The thickness or weight of all proofing lines in points. |
|--|------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|

attribute **ProofingLines/@ID**

|            |                                                                                                                                                                                                                     |       |            |
|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------------|
| type       | <a href="#">RefIDType</a>                                                                                                                                                                                           |       |            |
| properties | use    required                                                                                                                                                                                                     |       |            |
| facets     | Kind                                                                                                                                                                                                                | Value | Annotation |
|            | minLength                                                                                                                                                                                                           | 0     |            |
|            | maxLength                                                                                                                                                                                                           | 250   |            |
| annotation | documentation<br>An identifier for the element, unique within the scope of the MXML document. The ID attribute can be used as a reference to the element from elsewhere in the MXML document. Up to 250 characters. |       |            |

attribute **ProofingLines/@ThicknessPoints**

|            |                                                                           |       |            |
|------------|---------------------------------------------------------------------------|-------|------------|
| type       | <a href="#">PointsType</a> <a href="#">MaxMarkThickness</a>               |       |            |
| properties | use    required                                                           |       |            |
| facets     | Kind                                                                      | Value | Annotation |
|            | minInclusive                                                              | 0     |            |
|            | maxInclusive                                                              | 7200  |            |
| annotation | documentation<br>The thickness or weight of all proofing lines in points. |       |            |

element **ProofingLines/TrimLines**

|            |                                                                               |                                   |          |         |       |                                                                                  |
|------------|-------------------------------------------------------------------------------|-----------------------------------|----------|---------|-------|----------------------------------------------------------------------------------|
| type       | <a href="#">ProofingLine</a>                                                  |                                   |          |         |       |                                                                                  |
| properties | minOcc                                                                        | 0                                 |          |         |       |                                                                                  |
|            | maxOcc                                                                        | 1                                 |          |         |       |                                                                                  |
|            | content                                                                       | complex                           |          |         |       |                                                                                  |
| children   | <a href="#">InkRef</a>                                                        |                                   |          |         |       |                                                                                  |
| attributes | Name                                                                          | Type                              | Use      | Default | Fixed | Annotation                                                                       |
|            | <a href="#">LineType</a>                                                      | <a href="#">ProofLineTypeType</a> | required |         |       | documentation<br>Draws a line of the selected type around the trim of each page. |
| annotation | documentation<br>The element that describes the properties of the trim lines. |                                   |          |         |       |                                                                                  |

element **ProofingLines/BleedLines**

|            |                              |         |  |  |  |  |
|------------|------------------------------|---------|--|--|--|--|
| type       | <a href="#">ProofingLine</a> |         |  |  |  |  |
| properties | minOcc                       | 0       |  |  |  |  |
|            | maxOcc                       | 1       |  |  |  |  |
|            | content                      | complex |  |  |  |  |

|            |                                                                                |                                           |                 |         |       |                                                                                                |
|------------|--------------------------------------------------------------------------------|-------------------------------------------|-----------------|---------|-------|------------------------------------------------------------------------------------------------|
| children   | <a href="#">InkRef</a>                                                         |                                           |                 |         |       |                                                                                                |
| attributes | Name<br><a href="#">LineType</a>                                               | Type<br><a href="#">ProofLineTypeType</a> | Use<br>required | Default | Fixed | Annotation<br>documentation<br>Draws a line of the selected type around the trim of each page. |
| annotation | documentation<br>The element that describes the properties of the bleed lines. |                                           |                 |         |       |                                                                                                |

#### element **ProofingLinesRef**

|            |                              |                                                                                   |     |         |       |            |
|------------|------------------------------|-----------------------------------------------------------------------------------|-----|---------|-------|------------|
| properties | content complex              |                                                                                   |     |         |       |            |
| used by    | element<br>group             | <a href="#">ExportCompleteJDFImposition</a><br><a href="#">GroupMemImposition</a> |     |         |       |            |
| attributes | Name<br><a href="#">rRef</a> | Type<br><a href="#">RefIDType</a>                                                 | Use | Default | Fixed | Annotation |

#### attribute **ProofingLinesRef/@rRef**

|        |                           |       |            |  |  |
|--------|---------------------------|-------|------------|--|--|
| type   | <a href="#">RefIDType</a> |       |            |  |  |
| facets | Kind                      | Value | Annotation |  |  |
|        | minLength                 | 0     |            |  |  |
|        | maxLength                 | 250   |            |  |  |

#### element **RampageWorkflow**

|            |                                      |                                        |     |         |       |                                                                                                                                    |
|------------|--------------------------------------|----------------------------------------|-----|---------|-------|------------------------------------------------------------------------------------------------------------------------------------|
| properties | content complex                      |                                        |     |         |       |                                                                                                                                    |
| attributes | Name<br><a href="#">WorkflowName</a> | Type<br><a href="#">TextType_Short</a> | Use | Default | Fixed | Annotation<br>documentation<br>The unique name of the Rampage Workflow. Up to 30 characters.                                       |
|            | <a href="#">Type</a>                 | <a href="#">RampageWorkflowType</a>    |     |         |       | documentation<br>If the Workflow doesn't already exist, the Type field is required to create one.<br>The type of Rampage Workflow. |

#### attribute **RampageWorkflow/@WorkflowName**

|            |                                                                                |       |            |
|------------|--------------------------------------------------------------------------------|-------|------------|
| type       | <a href="#">TextType_Short</a>                                                 |       |            |
| facets     | Kind                                                                           | Value | Annotation |
|            | minLength                                                                      | 0     |            |
|            | maxLength                                                                      | 30    |            |
| annotation | documentation<br>The unique name of the Rampage Workflow. Up to 30 characters. |       |            |

## attribute **RampageWorkflow/@Type**

|            |                                                                                                                                    |                              |                         |
|------------|------------------------------------------------------------------------------------------------------------------------------------|------------------------------|-------------------------|
| type       | <a href="#">RampageWorkflowType</a>                                                                                                |                              |                         |
| facets     | Kind<br>enumeration                                                                                                                | Value<br>Page<br>enumeration | Annotation<br>SheetSide |
| annotation | documentation<br>If the Workflow doesn't already exist, the Type field is required to create one.<br>The type of Rampage Workflow. |                              |                         |

## element **RectangleMark**

|            |                                                                                                                           |                                             |                 |         |       |                                                                                                                  |
|------------|---------------------------------------------------------------------------------------------------------------------------|---------------------------------------------|-----------------|---------|-------|------------------------------------------------------------------------------------------------------------------|
| properties | content complex                                                                                                           |                                             |                 |         |       |                                                                                                                  |
| children   | <a href="#">AllSeparationsMarkColorRef</a> <a href="#">SpotColorMarkColorRef</a> <a href="#">ProcessColorMarkColorRef</a> |                                             |                 |         |       |                                                                                                                  |
| used by    | elements <a href="#">MarkPool</a> <a href="#">MarkSet</a>                                                                 |                                             |                 |         |       |                                                                                                                  |
| attributes | Name<br><a href="#">HorizontalOffset</a>                                                                                  | Type<br><a href="#">LinearDimensionType</a> | Use<br>required | Default | Fixed | Annotation<br>documentation<br>The horizontal offset amount of the mark from the lower-left corner of the sheet. |
|            | <a href="#">LayoutAnchorHorizontal</a>                                                                                    | <a href="#">MarkAnchorLocationType</a>      | required        |         |       | documentation<br>Horizontal anchor point on the layout.                                                          |
|            | <a href="#">LayoutAnchorObject</a>                                                                                        | <a href="#">MarkAnchorObjectType</a>        | required        |         |       | documentation<br>Mark is anchored relative to the selected object.                                               |
|            | <a href="#">LayoutAnchorVertical</a>                                                                                      | <a href="#">MarkAnchorLocationType</a>      | required        |         |       | documentation<br>Vertical anchor point on the layout.                                                            |
|            | <a href="#">MarkAnchorHorizontal</a>                                                                                      | <a href="#">MarkAnchorLocationType</a>      | required        |         |       | documentation<br>Mark horizontal anchor point.                                                                   |
|            | <a href="#">MarkAnchorVertical</a>                                                                                        | <a href="#">MarkAnchorLocationType</a>      | required        |         |       | documentation<br>Mark vertical anchor point.                                                                     |
|            | <a href="#">MirrorBackup</a>                                                                                              | xs:boolean                                  | required        |         |       | documentation<br>When True, the position of the mark on the back mirrors the front.                              |
|            | <a href="#">OverPageContent</a>                                                                                           | xs:boolean                                  | required        |         |       | documentation<br>When True, marks will overprint page content.                                                   |
|            | <a href="#">Output</a>                                                                                                    | <a href="#">MarkOutputType</a>              | required        |         |       | documentation<br>Mark output type.                                                                               |
|            | <a href="#">Placement</a>                                                                                                 | <a href="#">MarkPlacementType</a>           | required        |         |       | documentation<br>Side(s) of the layout on which to place the mark.                                               |
|            | <a href="#">VerticalOffset</a>                                                                                            | <a href="#">LinearDimensionType</a>         | required        |         |       | documentation<br>The vertical offset amount of the mark from the lower-left corner of the sheet.                 |
|            | <a href="#">Height</a>                                                                                                    | <a href="#">LinearDimensionType</a>         |                 |         |       | documentation<br>Not used for<br>FileWidthVariableHeight,<br>FixedWidthVariableHeight                            |

|  |                                                 |                                                                             |          |  |  |  |                                                                                       |
|--|-------------------------------------------------|-----------------------------------------------------------------------------|----------|--|--|--|---------------------------------------------------------------------------------------|
|  | <a href="#">Sizing</a><br><a href="#">Width</a> | <a href="#">MarkSizingPolicyType</a><br><a href="#">LinearDimensionType</a> | required |  |  |  | documentation<br>Not used for<br>FixedHeightVariableWidth,<br>FileHeightVariableWidth |
|--|-------------------------------------------------|-----------------------------------------------------------------------------|----------|--|--|--|---------------------------------------------------------------------------------------|

element **RectangleMark/AllSeparationsMarkColorRef**

|            |                                        |                                   |     |         |       |            |  |
|------------|----------------------------------------|-----------------------------------|-----|---------|-------|------------|--|
| type       | <a href="#">ResourceRefElementType</a> |                                   |     |         |       |            |  |
| properties | content                                | complex                           |     |         |       |            |  |
| attributes | Name<br><a href="#">rRef</a>           | Type<br><a href="#">RefIDType</a> | Use | Default | Fixed | Annotation |  |

element **RectangleMark/SpotColorMarkColorRef**

|            |                                        |                                   |     |         |       |            |  |
|------------|----------------------------------------|-----------------------------------|-----|---------|-------|------------|--|
| type       | <a href="#">ResourceRefElementType</a> |                                   |     |         |       |            |  |
| properties | content                                | complex                           |     |         |       |            |  |
| attributes | Name<br><a href="#">rRef</a>           | Type<br><a href="#">RefIDType</a> | Use | Default | Fixed | Annotation |  |

element **RectangleMark/ProcessColorMarkColorRef**

|            |                                        |                                   |     |         |       |            |  |
|------------|----------------------------------------|-----------------------------------|-----|---------|-------|------------|--|
| type       | <a href="#">ResourceRefElementType</a> |                                   |     |         |       |            |  |
| properties | content                                | complex                           |     |         |       |            |  |
| attributes | Name<br><a href="#">rRef</a>           | Type<br><a href="#">RefIDType</a> | Use | Default | Fixed | Annotation |  |

element **ResourcePool**

|            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                           |
|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|
| properties | content                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | complex                   |
| children   | <a href="#">Stock</a> <a href="#">Press</a> <a href="#">FoldingScheme</a> <a href="#">BindingMachine</a> <a href="#">Ink</a> <a href="#">CMYKColor</a> <a href="#">RGBColor</a> <a href="#">User</a> <a href="#">MarkFile</a> <a href="#">Customer</a> <a href="#">CuttingMachine</a> <a href="#">DieCutterTool</a> <a href="#">ContentFile</a> <a href="#">TrimMarks</a> <a href="#">ExternalFoldMarks</a> <a href="#">InternalFoldMarks</a> <a href="#">ProofingLines</a> <a href="#">BarcodeProperties</a> <a href="#">DigitalCuttingMachine</a> <a href="#">CutterAlignmentMarkGroup</a> <a href="#">ProcessColorMarkColor</a> |                           |
| used by    | element                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | <a href="#">MetrixXML</a> |

element **RGBColor**

|            |                               |                                   |                 |         |       |                                                                                                                                                                             |  |
|------------|-------------------------------|-----------------------------------|-----------------|---------|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| type       | extension of <b>xs:string</b> |                                   |                 |         |       |                                                                                                                                                                             |  |
| properties | content                       | complex                           |                 |         |       |                                                                                                                                                                             |  |
| used by    | element                       | <a href="#">ResourcePool</a>      |                 |         |       |                                                                                                                                                                             |  |
| attributes | Name<br><a href="#">ID</a>    | Type<br><a href="#">RefIDType</a> | Use<br>required | Default | Fixed | Annotation<br>documentation<br>An identifier for the element, unique within the scope of the MXML document. The ID attribute can be used as a reference to the element from |  |

|  |                                                             |                                                                                                                                                                  |
|--|-------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | <a href="#">Blue</a> <a href="#">RGBRangeType</a> required  | elsewhere in the MXML document. Up to 250 characters. documentation<br>The blue component of this RGBColor. An integer in the valid range 0 - 255. documentation |
|  | <a href="#">Green</a> <a href="#">RGBRangeType</a> required | The green component of this RGBColor. An integer in the valid range 0 - 255. documentation                                                                       |
|  | <a href="#">Red</a> <a href="#">RGBRangeType</a> required   | The red component of this RGBColor. An integer in the valid range 0 - 255. documentation                                                                         |

#### attribute **RGBColor/@ID**

|            |                                                                                                                                                                                                                     |       |            |
|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------------|
| type       | <a href="#">RefIDType</a>                                                                                                                                                                                           |       |            |
| properties | use required                                                                                                                                                                                                        |       |            |
| facets     | Kind                                                                                                                                                                                                                | Value | Annotation |
|            | minLength                                                                                                                                                                                                           | 0     |            |
|            | maxLength                                                                                                                                                                                                           | 250   |            |
| annotation | documentation<br>An identifier for the element, unique within the scope of the MXML document. The ID attribute can be used as a reference to the element from elsewhere in the MXML document. Up to 250 characters. |       |            |

#### attribute **RGBColor/@Blue**

|            |                                                                                              |       |            |
|------------|----------------------------------------------------------------------------------------------|-------|------------|
| type       | <a href="#">RGBRangeType</a>                                                                 |       |            |
| properties | use required                                                                                 |       |            |
| facets     | Kind                                                                                         | Value | Annotation |
|            | minInclusive                                                                                 | 0     |            |
|            | maxInclusive                                                                                 | 255   |            |
| annotation | documentation<br>The blue component of this RGBColor. An integer in the valid range 0 - 255. |       |            |

#### attribute **RGBColor/@Green**

|            |                                                                                               |       |            |
|------------|-----------------------------------------------------------------------------------------------|-------|------------|
| type       | <a href="#">RGBRangeType</a>                                                                  |       |            |
| properties | use required                                                                                  |       |            |
| facets     | Kind                                                                                          | Value | Annotation |
|            | minInclusive                                                                                  | 0     |            |
|            | maxInclusive                                                                                  | 255   |            |
| annotation | documentation<br>The green component of this RGBColor. An integer in the valid range 0 - 255. |       |            |

### attribute **RGBColor/@Red**

|            |                                                                                             |       |            |
|------------|---------------------------------------------------------------------------------------------|-------|------------|
| type       | <a href="#">RGBRangeType</a>                                                                |       |            |
| properties | use required                                                                                |       |            |
| facets     | Kind                                                                                        | Value | Annotation |
|            | minInclusive                                                                                | 0     |            |
|            | maxInclusive                                                                                | 255   |            |
| annotation | documentation<br>The red component of this RGBColor. An integer in the valid range 0 - 255. |       |            |

### element **RGBColorRef**

|            |                                                                                                                                                                           |                                   |                                       |
|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|---------------------------------------|
| properties | content complex                                                                                                                                                           |                                   |                                       |
| used by    | elements <a href="#">DisplayColor</a> <a href="#">TransparentColor</a>                                                                                                    |                                   |                                       |
| attributes | Name<br><a href="#">rRef</a>                                                                                                                                              | Type<br><a href="#">RefIDType</a> | Use<br>Default<br>Fixed<br>Annotation |
| annotation | documentation<br>A reference to aRGBColor element in the ResourcePool. A reference element has a single rRef attribute matching the ID attribute of the RGBColor element. |                                   |                                       |

### attribute **RGBColorRef/@rRef**

|        |                           |       |            |
|--------|---------------------------|-------|------------|
| type   | <a href="#">RefIDType</a> |       |            |
| facets | Kind                      | Value | Annotation |
|        | minLength                 | 0     |            |
|        | maxLength                 | 250   |            |

### element **Run**

|            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |  |
|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|
| properties | content complex                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |  |
| children   | <a href="#">AddCutterAlignmentMarks</a> <a href="#">AddDefaultBleed</a> <a href="#">AddDefaultJogAndSpineTrim</a> <a href="#">ApplyCutterAlignmentMarks</a> <a href="#">ApplyShingling</a> <a href="#">ApplyStandards</a> <a href="#">AssignLayoutRampageWorkflows</a> <a href="#">AssignPageRampageWorkflows</a> <a href="#">AutoLayout</a> <a href="#">AutoMarks</a> <a href="#">AutoPlan</a> <a href="#">AutoProduction</a> <a href="#">CheckLayoutSheetAreaUse</a> <a href="#">CheckProductContent</a> <a href="#">CheckProject</a> <a href="#">ExportBarcodedImposedPDF</a> <a href="#">ExportCIP3Cutting</a> <a href="#">ExportCIP3Folding</a> <a href="#">ExportCompleteJDFImposition</a> <a href="#">ExportICut</a> <a href="#">ExportImposedPDF</a> <a href="#">ExportJDFBinding</a> <a href="#">ExportJDFCutting</a> <a href="#">ExportJDFFolding</a> <a href="#">ExportJDFImposition</a> <a href="#">ExportJDFStripping</a> <a href="#">ExportLayoutImages</a> <a href="#">ExportMetrixXML</a> <a href="#">ExportPrepsTemplate</a> <a href="#">ExportReportToPDF</a> <a href="#">ExportReportToPrinter</a> <a href="#">ExportZipFile</a> <a href="#">SaveToMetrixDatabase</a> <a href="#">SendEmail</a> <a href="#">SetProjectProperty</a> <a href="#">Logging</a> |  |  |
| used by    | element <a href="#">CommandPool</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |  |

### element **SaveToMetrixDatabase**

|            |                                          |                                                      |                                                                                                                                          |
|------------|------------------------------------------|------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| properties | content complex                          |                                                      |                                                                                                                                          |
| used by    | element <a href="#">Run</a>              |                                                      |                                                                                                                                          |
| attributes | Name<br><a href="#">Name</a>             | Type<br><a href="#">TextType</a> <a href="#">Max</a> | Use<br>Default<br>Fixed<br>Annotation                                                                                                    |
|            |                                          |                                                      | documentation<br>A user-definable name for the Command Event. If not supplied, defaults to "SaveToMetrixDatabase". Up to 250 characters. |
|            | <a href="#">TriggerDestinationFolder</a> | <a href="#">TextType</a> <a href="#">Max</a>         |                                                                                                                                          |

attribute **SaveToMetrixDatabase/@Name**

|            |                                                                                                                                          |                      |            |
|------------|------------------------------------------------------------------------------------------------------------------------------------------|----------------------|------------|
| type       | <a href="#">TextType Max</a>                                                                                                             |                      |            |
| properties | default                                                                                                                                  | SaveToMetrixDatabase |            |
| facets     | Kind                                                                                                                                     | Value                | Annotation |
|            | minLength                                                                                                                                | 0                    |            |
|            | maxLength                                                                                                                                | 250                  |            |
| annotation | documentation<br>A user-definable name for the Command Event. If not supplied, defaults to "SaveToMetrixDatabase". Up to 250 characters. |                      |            |

attribute **SaveToMetrixDatabase/@TriggerDestinationFolder**

|        |                              |       |            |
|--------|------------------------------|-------|------------|
| type   | <a href="#">TextType Max</a> |       |            |
| facets | Kind                         | Value | Annotation |
|        | minLength                    | 0     |            |
|        | maxLength                    | 250   |            |

element **SelectedLayouts**

|            |                          |                              |     |         |       |            |
|------------|--------------------------|------------------------------|-----|---------|-------|------------|
| properties | content                  | complex                      |     |         |       |            |
| attributes | Name                     | Type                         | Use | Default | Fixed | Annotation |
|            | <a href="#">key</a>      | <a href="#">TextType Max</a> |     | <empty> |       |            |
|            | <a href="#">filename</a> | <a href="#">TextType Max</a> |     | <empty> |       |            |
|            | <a href="#">sides</a>    | xs:string                    |     | <empty> |       |            |

attribute **SelectedLayouts/@key**

|            |                              |         |            |
|------------|------------------------------|---------|------------|
| type       | <a href="#">TextType Max</a> |         |            |
| properties | default                      | <empty> |            |
| facets     | Kind                         | Value   | Annotation |
|            | minLength                    | 0       |            |
|            | maxLength                    | 250     |            |

attribute **SelectedLayouts/@filename**

|            |                              |         |            |
|------------|------------------------------|---------|------------|
| type       | <a href="#">TextType Max</a> |         |            |
| properties | default                      | <empty> |            |
| facets     | Kind                         | Value   | Annotation |
|            | minLength                    | 0       |            |
|            | maxLength                    | 250     |            |

attribute **SelectedLayouts/@sides**

|            |           |         |  |
|------------|-----------|---------|--|
| type       | xs:string |         |  |
| properties | default   | <empty> |  |

## element **SelectedLayoutsRef**

|            |                                                                                                                        |                                   |     |         |       |            |
|------------|------------------------------------------------------------------------------------------------------------------------|-----------------------------------|-----|---------|-------|------------|
| properties | content complex                                                                                                        |                                   |     |         |       |            |
| used by    | elements <a href="#">ExportBarcodedImposedPDF</a> <a href="#">ExportImposedPDF</a> <a href="#">ExportJDFImposition</a> |                                   |     |         |       |            |
| attributes | Name<br><a href="#">rRef</a>                                                                                           | Type<br><a href="#">RefIDType</a> | Use | Default | Fixed | Annotation |

## attribute **SelectedLayoutsRef/@rRef**

|        |                           |            |            |  |  |  |
|--------|---------------------------|------------|------------|--|--|--|
| type   | <a href="#">RefIDType</a> |            |            |  |  |  |
| facets | Kind<br>minLength         | Value<br>0 | Annotation |  |  |  |
|        | maxLength                 | 250        |            |  |  |  |

## element **SendEmail**

|            |                                 |                                      |          |                      |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|------------|---------------------------------|--------------------------------------|----------|----------------------|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| properties | content complex                 |                                      |          |                      |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| used by    | element <a href="#">Run</a>     |                                      |          |                      |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| attributes | Name<br><a href="#">Name</a>    | Type<br><a href="#">TextType Max</a> | Use      | Default<br>SendEmail | Fixed | Annotation<br>documentation<br>A user-definable name for the Command Event. If not supplied, defaults to "SendEmail". Up to 250 characters.                                                                                                                                                                                                                                                                                                      |
|            | <a href="#">To</a>              | <b>xs:string</b>                     | required |                      |       | documentation<br>Either "Administrator", "Senior", or an Email address.<br>The Metrix configuration file (metrix.properties) requires some email properties including an email address for the Administrator and for the Planners (an alias for the planning staff).<br>Administrator<br>Planners                                                                                                                                                |
|            | <a href="#">SubjectFileName</a> | <a href="#">TextType Max</a>         | required |                      |       | documentation<br>The name of the text file, without any path, that contains the subject text for the email. Email subject and body text files can contain variables (see supported list below) and must be contained in the Automation/EmailTemplates folder inside the Metrix installation directory. Valid variables (must be enclosed within "less than" and "greater than" symbols) are:<br>Project.ID<br>MetrixUser.Name<br>SystemUser.Name |
|            | <a href="#">BodyFileName</a>    | <a href="#">TextType Max</a>         | required |                      |       | documentation<br>The name of the text file, without any path, that contains the body text for                                                                                                                                                                                                                                                                                                                                                    |

|  |                                   |                                       |        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|--|-----------------------------------|---------------------------------------|--------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  |                                   |                                       |        | <p>the email. Email subject and body text files can contain variables (see supported list below) and must be contained in the Automation/EmailTemplates folder inside the Metrix installation directory. Valid variables (must be enclosed within "less than" and "greater than" symbols) are:</p> <p>Project.ID<br/>MetrixUser.Name<br/>SystemUser.Name<br/>EmailTemplate.FileName<br/>documentation</p> <p>Determines whether or not the Command will attach the associated workflow log file (a text file describing what was done) to the email.</p> <p>documentation</p> <p>Determines whether the Command will execute depending on the status of the internal flag that either allows or does not allow the Export Commands. Default: Either</p> |
|  | <a href="#">AttachLogFile</a>     | <b>xs:boolean</b>                     | false  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|  | <a href="#">OnlyDolfExporting</a> | <a href="#">OnlyDolfExportingType</a> | Either |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |

#### attribute **SendEmail/@Name**

|            |                                                                                                                               |           |            |
|------------|-------------------------------------------------------------------------------------------------------------------------------|-----------|------------|
| type       | <a href="#">TextType Max</a>                                                                                                  |           |            |
| properties | default                                                                                                                       | SendEmail |            |
| facets     | Kind                                                                                                                          | Value     | Annotation |
|            | minLength                                                                                                                     | 0         |            |
|            | maxLength                                                                                                                     | 250       |            |
| annotation | documentation<br>A user-definable name for the Command Event. If not supplied, defaults to "SendEmail". Up to 250 characters. |           |            |

#### attribute **SendEmail/@To**

|            |                                                                                                                                                                                                                                                                                                                                              |          |
|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| type       | xs:string                                                                                                                                                                                                                                                                                                                                    |          |
| properties | use                                                                                                                                                                                                                                                                                                                                          | required |
| annotation | <div>documentation</div> <div>Either "Administrator", "Senior", or an Email address.</div> <div>The Metrix configuration file (metrix.properties) requires some email properties including an email address for the Administrator and for the Planners (an alias for the planning staff).</div> <div>Administrator</div> <div>Planners</div> |          |

#### attribute **SendEmail/@SubjectFileName**

|            |                              |          |            |  |
|------------|------------------------------|----------|------------|--|
| type       | <a href="#">TextType Max</a> |          |            |  |
| properties | use                          | required |            |  |
| facets     | Kind                         | Value    | Annotation |  |
|            | minLength                    | 0        |            |  |

|            |                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|            | maxLength 250                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| annotation | documentation<br>The name of the text file, without any path, that contains the subject text for the email. Email subject and body text files can contain variables (see supported list below) and must be contained in the Automation/EmailTemplates folder inside the Metrix installation directory.<br>Valid variables (must be enclosed within "less than" and "greater than" symbols) are:<br>Project.ID<br>MetrixUser.Name<br>SystemUser.Name |

#### attribute **SendEmail/@BodyFileName**

|            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |            |
|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|------------|
| type       | <a href="#">TextType Max</a>                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |            |
| properties | use                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | required |            |
| facets     | Kind                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Value    | Annotation |
|            | minLength                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 0        |            |
|            | maxLength                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 250      |            |
| annotation | documentation<br>The name of the text file, without any path, that contains the body text for the email. Email subject and body text files can contain variables (see supported list below) and must be contained in the Automation/EmailTemplates folder inside the Metrix installation directory.<br>Valid variables (must be enclosed within "less than" and "greater than" symbols) are:<br>Project.ID<br>MetrixUser.Name<br>SystemUser.Name<br>EmailTemplate.FileName |          |            |

#### attribute **SendEmail/@AttachLogFile**

|            |                                                                                                                                                          |
|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| type       | xs:boolean                                                                                                                                               |
| properties | default false                                                                                                                                            |
| annotation | documentation<br>Determines whether or not the Command will attach the associated workflow log file (a text file describing what was done) to the email. |

#### attribute **SendEmail/@OnlyDolfExporting**

|            |                                                                                                                                                                                        |            |            |
|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|------------|
| type       | <a href="#">OnlyDolfExportingType</a>                                                                                                                                                  |            |            |
| properties | default                                                                                                                                                                                | Either     |            |
| facets     | Kind                                                                                                                                                                                   | Value      | Annotation |
|            | enumeration                                                                                                                                                                            | Allowed    |            |
|            | enumeration                                                                                                                                                                            | NotAllowed |            |
|            | enumeration                                                                                                                                                                            | Either     |            |
| annotation | documentation<br>Determines whether the Command will execute depending on the status of the internal flag that either allows or does not allow the Export Commands.<br>Default: Either |            |            |

#### element **SetProjectProperty**

|            |                      |                              |                  |
|------------|----------------------|------------------------------|------------------|
| properties | content              | complex                      |                  |
| used by    | element              | <a href="#">Run</a>          |                  |
| attributes | Name                 | Type                         | Use              |
|            | <a href="#">Name</a> | <a href="#">TextType Max</a> |                  |
|            |                      | Default                      | Fixed            |
|            |                      | SetProjectProperty           |                  |
|            |                      |                              | Annotation       |
|            |                      |                              | documentation    |
|            |                      |                              | A user-definable |

|  |                                   |                                       |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|--|-----------------------------------|---------------------------------------|----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  |                                   |                                       |          | <p>name for the Command Event. If not supplied, defaults to "SetProjectProperty". Up to 250 characters.</p> <p>documentation</p> <p>The object whose property to set.</p> <p>documentation</p> <p>The name of the property to set.</p> <p>documentation</p> <p>The value to set the property to. Sets the "NeedsAttention" flag on a project. Controlled by OnlyDolfExporting.</p> <p>documentation</p> <p>Determines whether the Command will execute depending on the status of the internal flag that either allows or does not allow the Export Commands.</p> <p>Default: Either</p> |
|  | <a href="#">Object</a>            | derived by: xs:string                 | required |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|  | <a href="#">Property</a>          | derived by: xs:string                 | required |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|  | <a href="#">Value</a>             | xs:boolean                            | required |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|  | <a href="#">OnlyDolfExporting</a> | <a href="#">OnlyDolfExportingType</a> | Either   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

#### attribute **SetProjectProperty/@Name**

|            |                                                                                                                                        |                    |            |
|------------|----------------------------------------------------------------------------------------------------------------------------------------|--------------------|------------|
| type       | <a href="#">TextType Max</a>                                                                                                           |                    |            |
| properties | default                                                                                                                                | SetProjectProperty |            |
| facets     | Kind                                                                                                                                   | Value              | Annotation |
|            | minLength                                                                                                                              | 0                  |            |
|            | maxLength                                                                                                                              | 250                |            |
| annotation | documentation<br>A user-definable name for the Command Event. If not supplied, defaults to "SetProjectProperty". Up to 250 characters. |                    |            |

#### attribute **SetProjectProperty/@Object**

|            |                                                    |          |            |
|------------|----------------------------------------------------|----------|------------|
| type       | restriction of xs:string                           |          |            |
| properties | use                                                | required |            |
| facets     | Kind                                               | Value    | Annotation |
|            | enumeration                                        | Project  |            |
| annotation | documentation<br>The object whose property to set. |          |            |

#### attribute **SetProjectProperty/@Property**

|            |                                                   |                |            |
|------------|---------------------------------------------------|----------------|------------|
| type       | restriction of xs:string                          |                |            |
| properties | use                                               | required       |            |
| facets     | Kind                                              | Value          | Annotation |
|            | enumeration                                       | NeedsAttention |            |
| annotation | documentation<br>The name of the property to set. |                |            |

### attribute **SetProjectProperty/@Value**

|            |                                                                                                                                  |
|------------|----------------------------------------------------------------------------------------------------------------------------------|
| type       | <b>xs:boolean</b>                                                                                                                |
| properties | use required                                                                                                                     |
| annotation | documentation<br>The value to set the property to. Sets the "NeedsAttention" flag on a project. Controlled by OnlyDolfExporting. |

### attribute **SetProjectProperty/@OnlyDolfExporting**

|            |                                                                                                                                                                                        |                  |            |
|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|------------|
| type       | <a href="#">OnlyDolfExportingType</a>                                                                                                                                                  |                  |            |
| properties | default                                                                                                                                                                                | Either           |            |
| facets     | Kind<br>enumeration                                                                                                                                                                    | Value<br>Allowed | Annotation |
|            | enumeration                                                                                                                                                                            | NotAllowed       |            |
|            | enumeration                                                                                                                                                                            | Either           |            |
| annotation | documentation<br>Determines whether the Command will execute depending on the status of the internal flag that either allows or does not allow the Export Commands.<br>Default: Either |                  |            |

### element **SheetSide**

|            |                                                                                                                  |                                                 |                 |         |       |                                                                  |
|------------|------------------------------------------------------------------------------------------------------------------|-------------------------------------------------|-----------------|---------|-------|------------------------------------------------------------------|
| properties | content    complex                                                                                               |                                                 |                 |         |       |                                                                  |
| children   | <a href="#">PressRef</a> <a href="#">RampageWorkflowRef</a> <a href="#">Configuration</a> <a href="#">InkRef</a> |                                                 |                 |         |       |                                                                  |
| used by    | complexType <a href="#">LayoutDefinition</a>                                                                     |                                                 |                 |         |       |                                                                  |
| attributes | Name<br><a href="#">Side</a>                                                                                     | Type<br><b>derived by:</b><br><b>xs:integer</b> | Use<br>required | Default | Fixed | Annotation<br>documentation<br>Side 1 or Side 2<br>of the sheet. |

### attribute **SheetSide/@Side**

|            |                                                 |          |            |  |  |
|------------|-------------------------------------------------|----------|------------|--|--|
| type       | restriction of <b>xs:integer</b>                |          |            |  |  |
| properties | use                                             | required |            |  |  |
| facets     | Kind                                            | Value    | Annotation |  |  |
|            | minInclusive                                    | 1        |            |  |  |
|            | maxInclusive                                    | 2        |            |  |  |
| annotation | documentation<br>Side 1 or Side 2 of the sheet. |          |            |  |  |

### element **SheetSide/RampageWorkflowRef**

|            |                                                                                                                                                                                                                                                                                                              |                                   |     |         |       |            |
|------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|-----|---------|-------|------------|
| type       | <a href="#">ResourceRefElementType</a>                                                                                                                                                                                                                                                                       |                                   |     |         |       |            |
| properties | minOcc                                                                                                                                                                                                                                                                                                       | 0                                 |     |         |       |            |
|            | maxOcc                                                                                                                                                                                                                                                                                                       | 1                                 |     |         |       |            |
|            | content                                                                                                                                                                                                                                                                                                      | complex                           |     |         |       |            |
| attributes | Name<br><a href="#">rRef</a>                                                                                                                                                                                                                                                                                 | Type<br><a href="#">RefIDType</a> | Use | Default | Fixed | Annotation |
| annotation | documentation<br>If supplied, contains a reference to the RampageWorkflow element that applies to the sheet side. The reference element has a single rRef attribute matching the ID attribute of the RampageWorkflow element it references. This attribute is read by Metrix and is also exported by Metrix. |                                   |     |         |       |            |

|  |                                                                                                                                                                                                                 |
|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | Note: where PrintingMethod=Perfected there will be Rampage Workflow objects for both sides of the sheet, often including duplicates, since there is only one SheetSide element for a Perfected printing method. |
|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

element **SheetSide/InkRef**

|            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                   |        |           |         |            |
|------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|--------|-----------|---------|------------|
| type       | <a href="#">ResourceRefElementType</a>                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                   |        |           |         |            |
| properties | minOcc                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 0                                 | maxOcc | unbounded | content | complex    |
| attributes | Name<br><a href="#">rRef</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Type<br><a href="#">RefIDType</a> | Use    | Default   | Fixed   | Annotation |
| annotation | documentation<br>Zero or more references to Ink elements that print on the sheet side. Each reference element has a single rRef attribute matching the ID attribute of the Ink element it references. These attributes are never read by Metrix but are exported by Metrix.<br>Note: where PrintingMethod=Perfected there will be ink objects for both sides of the sheet, often including duplicates, since there is only one SheetSide element for a Perfected printing method. |                                   |        |           |         |            |

element **Shingling**

|            |                                  |                                        |     |                 |       |                                                                                                                                                                                                                                                                                                                                                                                                                                |
|------------|----------------------------------|----------------------------------------|-----|-----------------|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| properties | content                          | complex                                |     |                 |       |                                                                                                                                                                                                                                                                                                                                                                                                                                |
| used by    | elements                         | <a href="#">ApplyShingling Product</a> |     |                 |       |                                                                                                                                                                                                                                                                                                                                                                                                                                |
| attributes | Name<br><a href="#">Type</a>     | Type<br><a href="#">ShinglingType</a>  | Use | Default<br>Auto | Fixed | Annotation<br>documentation<br>Type of shingling calculation. Default = Auto. AUTO: Automatically calculate shingling offsets. Default. MANUAL: Manually apply shingling offsets. documentation Method used to implement shingling compensation. Default = Move. MOVE: Compensate by moving page positions. Default. SCALE: Compensate by scaling pages. documentation Should trim marks be moved with shingled pages. Default |
|            | <a href="#">Method</a>           | <a href="#">ShinglingMethodType</a>    |     | Move            |       |                                                                                                                                                                                                                                                                                                                                                                                                                                |
|            | <a href="#">ShingleTrimMarks</a> | xs:boolean                             |     | false           |       |                                                                                                                                                                                                                                                                                                                                                                                                                                |

|            |                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|            | <p><a href="#">InnerPercentage</a>      <b>derived by: xs:integer</b></p> <p><a href="#">InnerValue</a>              <a href="#">LinearDimension</a> <a href="#">ManualShingling</a></p> <p><a href="#">OuterValue</a>              <a href="#">LinearDimension</a> <a href="#">ManualShingling</a></p> | <p>= False.</p> <p>TRUE: Trim marks will be shingled with pages.<br/>FALSE: Trim marks will not be shingled with pages.<br/>Default.<br/>documentation<br/>Required if Type is Auto.<br/>Inner shingling percentage (range 0 to 100)<br/>Required if Type=Auto;<br/>Ignored if Type=Manual<br/>documentation<br/>Required if Type is Manual.<br/>Inner page shingling value.<br/>documentation<br/>Required if Type is Manual.<br/>Outer page shingling value.<br/>Required if Type=Manual;<br/>Ignored if Type=Auto</p> |
| annotation | <p>documentation<br/>The Shingling element that specifies the shingling to apply. Shingling is ignored if Type is not Bound.</p>                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

#### attribute **Shingling/@Type**

|            |                                                                                                                                                                                     |                         |            |
|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|------------|
| type       | <a href="#">ShinglingType</a>                                                                                                                                                       |                         |            |
| properties | default                                                                                                                                                                             | Auto                    |            |
| facets     | Kind<br>enumeration                                                                                                                                                                 | Value<br>Auto<br>Manual | Annotation |
| annotation | <p>documentation<br/>Type of shingling calculation. Default = Auto.<br/>AUTO: Automatically calculate shingling offsets. Default.<br/>MANUAL: Manually apply shingling offsets.</p> |                         |            |

#### attribute **Shingling/@Method**

|            |                                     |               |            |
|------------|-------------------------------------|---------------|------------|
| type       | <a href="#">ShinglingMethodType</a> |               |            |
| properties | default                             | Move          |            |
| facets     | Kind<br>enumeration                 | Value<br>Move | Annotation |

|            |                                                                                                                                                                                     |
|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|            | enumeration    Scale                                                                                                                                                                |
| annotation | documentation<br>Method used to implement shingling compensation. Default = Move.<br><br>MOVE: Compensate by moving page positions. Default.<br>SCALE: Compensate by scaling pages. |

#### attribute **Shingling/@ShingleTrimMarks**

|            |                                                                                                                                                                                                       |
|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| type       | <b>xs:boolean</b>                                                                                                                                                                                     |
| properties | default    false                                                                                                                                                                                      |
| annotation | documentation<br>Should trim marks be moved with shingled pages. Default = False.<br><br>TRUE: Trim marks will be shingled with pages.<br>FALSE: Trim marks will not be shingled with pages. Default. |

#### attribute **Shingling/@InnerPercentage**

|            |                                                                                                                                               |       |            |
|------------|-----------------------------------------------------------------------------------------------------------------------------------------------|-------|------------|
| type       | restriction of <b>xs:integer</b>                                                                                                              |       |            |
| facets     | Kind                                                                                                                                          | Value | Annotation |
|            | minInclusive                                                                                                                                  | 0     |            |
|            | maxInclusive                                                                                                                                  | 100   |            |
| annotation | documentation<br>Required if Type is Auto.<br>Inner shingling percentage<br>(range 0 to 100)<br>Required if Type=Auto; Ignored if Type=Manual |       |            |

#### attribute **Shingling/@InnerValue**

|            |                                                                             |       |            |
|------------|-----------------------------------------------------------------------------|-------|------------|
| type       | <a href="#">LinearDimension</a> <a href="#">ManualShingling</a>             |       |            |
| facets     | Kind                                                                        | Value | Annotation |
|            | minInclusive                                                                | 0     |            |
|            | maxInclusive                                                                | 152.4 |            |
| annotation | documentation<br>Required if Type is Manual.<br>Inner page shingling value. |       |            |

#### attribute **Shingling/@OuterValue**

|            |                                                                                                                              |       |            |
|------------|------------------------------------------------------------------------------------------------------------------------------|-------|------------|
| type       | <a href="#">LinearDimension</a> <a href="#">ManualShingling</a>                                                              |       |            |
| facets     | Kind                                                                                                                         | Value | Annotation |
|            | minInclusive                                                                                                                 | 0     |            |
|            | maxInclusive                                                                                                                 | 152.4 |            |
| annotation | documentation<br>Required if Type is Manual.<br>Outer page shingling value.<br>Required if Type=Manual; Ignored if Type=Auto |       |            |

#### element **Stock**

|            |                                                                       |
|------------|-----------------------------------------------------------------------|
| properties | content    complex                                                    |
| children   | <a href="#">PreviousInventoryItemStock</a> <a href="#">StockSheet</a> |

| used by    | element <a href="#">ResourcePool</a> |                                                         |          |         |       |                                                                                                                                                                                                                                                                                                |
|------------|--------------------------------------|---------------------------------------------------------|----------|---------|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| attributes | Name                                 | Type                                                    | Use      | Default | Fixed | Annotation                                                                                                                                                                                                                                                                                     |
|            | <a href="#">CUD</a>                  | <a href="#">CUDType</a>                                 |          |         |       |                                                                                                                                                                                                                                                                                                |
|            | <a href="#">ID</a>                   | <a href="#">RefIDType</a>                               | required |         |       | documentation<br>An identifier for the element, unique within the scope of the MXML document. The ID attribute can be used as a reference to the element from elsewhere in the MXML document. Up to 250 characters.                                                                            |
|            | <a href="#">MIS_ID</a>               | <a href="#">TextType_Max</a>                            |          |         |       | documentation<br>One of DeviceID or MIS_ID is required.<br>A globally unique identifier (GUID) for the product that identifies the product to the originating MIS system. If not supplied, defaults to an empty string. If supplied, will not be editable within Metrix. Up to 250 characters. |
|            | <a href="#">Name</a>                 | <a href="#">TextType_Max</a>                            | required |         |       | documentation<br>Required when running in memory-only mode (i.e., when the root MetrixXML/@MemoryOnly = True).<br>The name displayed in the Metrix user interface to identify this plant resource. Up to 250 characters.                                                                       |
|            | <a href="#">BasisWeightName</a>      | <a href="#">TextType_Max</a>                            |          | <empty> |       | documentation<br>Up to 250 characters.                                                                                                                                                                                                                                                         |
|            | <a href="#">DryingTimeMultiplier</a> | derived by: xs:float                                    |          | 1.0     |       | documentation<br>Multiplies the drying time required (for work-and-turn or work-and-tumble layouts). Interacts with the Minimum Drying Time for Work And Turn property of the selected Press. Used to calculate layout production time. Default value is 1.0.                                  |
|            | <a href="#">Grade</a>                | derived by: xs:byte                                     | required |         |       | documentation<br>An integer from 1 to 5.                                                                                                                                                                                                                                                       |
|            | <a href="#">NoGrain</a>              | xs:boolean                                              |          | false   |       | documentation<br>When True, defines stock or substrate as having no grain.                                                                                                                                                                                                                     |
|            | <a href="#">Thickness</a>            | <a href="#">LinearDimension_PressStockThicknessType</a> | required |         |       | documentation<br>The thickness of the stock in the measurement unit of the MXML document.                                                                                                                                                                                                      |
|            | <a href="#">Vendor</a>               | <a href="#">TextType_Medium</a>                         | required |         |       | documentation<br>User-definable name for the stock vendor. Up to 90 characters.                                                                                                                                                                                                                |
|            | <a href="#">Weight</a>               | derived by: xs:float                                    | required |         |       | documentation<br>The weight of the stock in                                                                                                                                                                                                                                                    |

|  |                                                                    |                                                                                                         |
|--|--------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|
|  | <a href="#">WeightUnit</a> <a href="#">WeightUnitType</a> required | either of the available units (see WeightUnit).<br>documentation<br>The measurement unit of the Weight. |
|--|--------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|

#### attribute **Stock/@BasisWeightName**

|            |                                        |         |            |
|------------|----------------------------------------|---------|------------|
| type       | <a href="#">TextType</a> Max           |         |            |
| properties | default                                | <empty> |            |
| facets     | Kind                                   | Value   | Annotation |
|            | minLength                              | 0       |            |
|            | maxLength                              | 250     |            |
| annotation | documentation<br>Up to 250 characters. |         |            |

#### attribute **Stock/@DryingTimeMultiplier**

|            |                                                                                                                                                                                                                                                               |        |            |
|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|------------|
| type       | restriction of <b>xs:float</b>                                                                                                                                                                                                                                |        |            |
| properties | default                                                                                                                                                                                                                                                       | 1.0    |            |
| facets     | Kind                                                                                                                                                                                                                                                          | Value  | Annotation |
|            | minInclusive                                                                                                                                                                                                                                                  | 0      |            |
|            | maxInclusive                                                                                                                                                                                                                                                  | 999999 |            |
| annotation | documentation<br>Multiplies the drying time required (for work-and-turn or work-and-tumble layouts). Interacts with the Minimum Drying Time for Work And Turn property of the selected Press. Used to calculate layout production time. Default value is 1.0. |        |            |

#### attribute **Stock/@Grade**

|            |                                          |          |            |
|------------|------------------------------------------|----------|------------|
| type       | restriction of <b>xs:byte</b>            |          |            |
| properties | use                                      | required |            |
| facets     | Kind                                     | Value    | Annotation |
|            | minInclusive                             | 1        |            |
|            | maxInclusive                             | 5        |            |
| annotation | documentation<br>An integer from 1 to 5. |          |            |

#### attribute **Stock/@NoGrain**

|            |                                                                            |
|------------|----------------------------------------------------------------------------|
| type       | <b>xs:boolean</b>                                                          |
| properties | default false                                                              |
| annotation | documentation<br>When True, defines stock or substrate as having no grain. |

#### attribute **Stock/@Thickness**

|            |                                                                         |          |            |
|------------|-------------------------------------------------------------------------|----------|------------|
| type       | <a href="#">LinearDimension</a> <a href="#">PressStockThicknessType</a> |          |            |
| properties | use                                                                     | required |            |
| facets     | Kind                                                                    | Value    | Annotation |
|            | minInclusive                                                            | 0        |            |
|            | maxInclusive                                                            | 152.4    |            |

|            |                                                                                           |
|------------|-------------------------------------------------------------------------------------------|
| annotation | documentation<br>The thickness of the stock in the measurement unit of the MXML document. |
|------------|-------------------------------------------------------------------------------------------|

attribute **Stock/@Vendor**

|            |                                                                                 |          |            |
|------------|---------------------------------------------------------------------------------|----------|------------|
| type       | <a href="#">TextType Medium</a>                                                 |          |            |
| properties | use                                                                             | required |            |
| facets     | Kind                                                                            | Value    | Annotation |
|            | minLength                                                                       | 0        |            |
|            | maxLength                                                                       | 90       |            |
| annotation | documentation<br>User-definable name for the stock vendor. Up to 90 characters. |          |            |

attribute **Stock/@Weight**

|            |                                                                                             |          |            |
|------------|---------------------------------------------------------------------------------------------|----------|------------|
| type       | restriction of <b>xs:float</b>                                                              |          |            |
| properties | use                                                                                         | required |            |
| facets     | Kind                                                                                        | Value    | Annotation |
|            | minInclusive                                                                                | 1        |            |
|            | maxInclusive                                                                                | 10000    |            |
| annotation | documentation<br>The weight of the stock in either of the available units (see WeightUnit). |          |            |

attribute **Stock/@WeightUnit**

|            |                                                      |          |            |
|------------|------------------------------------------------------|----------|------------|
| type       | <a href="#">WeightUnitType</a>                       |          |            |
| properties | use                                                  | required |            |
| facets     | Kind                                                 | Value    | Annotation |
|            | enumeration                                          | gsm      |            |
|            | enumeration                                          | lb       |            |
|            | enumeration                                          | oz       |            |
| annotation | documentation<br>The measurement unit of the Weight. |          |            |

element **StockSheet**

|            |                                 |                              |          |         |                                                                                                                                  |
|------------|---------------------------------|------------------------------|----------|---------|----------------------------------------------------------------------------------------------------------------------------------|
| type       | extension of <b>xs:string</b>   |                              |          |         |                                                                                                                                  |
| properties | content complex                 |                              |          |         |                                                                                                                                  |
| used by    | element <a href="#">Stock</a>   |                              |          |         |                                                                                                                                  |
| attributes | Name                            | Type                         | Use      | Default | Fixed                                                                                                                            |
|            | <a href="#">BuySize_MIS_ID</a>  | <a href="#">TextType Max</a> |          |         |                                                                                                                                  |
|            | <a href="#">BuySizeUnknown</a>  | <b>xs:boolean</b>            |          | false   |                                                                                                                                  |
|            | <a href="#">CostPerLength</a>   | <b>derived by: xs:float</b>  |          |         |                                                                                                                                  |
|            | <a href="#">CostPerThousand</a> | <b>derived by: xs:float</b>  |          |         |                                                                                                                                  |
|            |                                 |                              |          |         | documentation<br>The cost of the stock sheet. This is only read by Metrix when adding a new, unique stock sheet to the database. |
|            | <a href="#">ID</a>              | <a href="#">RefIDType</a>    | required |         | documentation                                                                                                                    |

|  |                                                    |                                                                                      |  |          |                                                                                                                                                                                                                                                                  |
|--|----------------------------------------------------|--------------------------------------------------------------------------------------|--|----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  |                                                    |                                                                                      |  |          | <p>An identifier for the element, unique within the scope of the MXML document. The ID attribute can be used as a reference to the element from elsewhere in the MXML document. Up to 250 characters.</p>                                                        |
|  | <a href="#">CUD</a><br><a href="#">Grain</a>       | <b>xs:string</b><br><a href="#">StockGrainType</a>                                   |  | required | <p>documentation<br/>The sheet's grain direction.</p>                                                                                                                                                                                                            |
|  | <a href="#">Height</a>                             | <a href="#">LinearDimensionType</a>                                                  |  |          | <p>documentation<br/>The height of the sheet.</p>                                                                                                                                                                                                                |
|  | <a href="#">MIS_ID</a>                             | <a href="#">TextType Max</a>                                                         |  |          | <p>documentation<br/>A globally unique identifier (GUID) for the stock sheet that identifies the product to the originating MIS system. If not supplied, defaults to an empty string. If supplied, will not be editable within Metrix. Up to 250 characters.</p> |
|  | <a href="#">PieceType</a><br><a href="#">Width</a> | <a href="#">StockPieceTypeType</a><br><a href="#">LinearDimension SheetWidthType</a> |  | required | <p>documentation<br/>The width of the sheet.</p>                                                                                                                                                                                                                 |

attribute **StockSheet/@BuySize\_MIS\_ID**

|        |                              |       |            |  |
|--------|------------------------------|-------|------------|--|
| type   | <a href="#">TextType Max</a> |       |            |  |
| facets | Kind                         | Value | Annotation |  |
|        | minLength                    | 0     |            |  |
|        | maxLength                    | 250   |            |  |

attribute **StockSheet/@BuySizeUnknown**

|            |                   |       |  |
|------------|-------------------|-------|--|
| type       | <b>xs:boolean</b> |       |  |
| properties | default           | false |  |

### attribute **StockSheet/@CostPerLength**

|        |                                |       |            |
|--------|--------------------------------|-------|------------|
| type   | restriction of <b>xs:float</b> |       |            |
| facets | Kind                           | Value | Annotation |
|        | minInclusive                   | 0     |            |

### attribute **StockSheet/@CostPerThousand**

|            |                                                                                                                                  |       |            |
|------------|----------------------------------------------------------------------------------------------------------------------------------|-------|------------|
| type       | restriction of <b>xs:float</b>                                                                                                   |       |            |
| facets     | Kind                                                                                                                             | Value | Annotation |
|            | minInclusive                                                                                                                     | 0     |            |
| annotation | documentation<br>The cost of the stock sheet. This is only read by Metrix when adding a new, unique stock sheet to the database. |       |            |

### attribute **StockSheet/@ID**

|            |                                                                                                                                                                                                                     |          |            |
|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|------------|
| type       | <a href="#">RefIDType</a>                                                                                                                                                                                           |          |            |
| properties | use                                                                                                                                                                                                                 | required |            |
| facets     | Kind                                                                                                                                                                                                                | Value    | Annotation |
|            | minLength                                                                                                                                                                                                           | 0        |            |
|            | maxLength                                                                                                                                                                                                           | 250      |            |
| annotation | documentation<br>An identifier for the element, unique within the scope of the MXML document. The ID attribute can be used as a reference to the element from elsewhere in the MXML document. Up to 250 characters. |          |            |

### attribute **StockSheet/@CUD**

|      |                  |
|------|------------------|
| type | <b>xs:string</b> |
|------|------------------|

### attribute **StockSheet/@Grain**

|            |                                               |            |            |
|------------|-----------------------------------------------|------------|------------|
| type       | <a href="#">StockGrainType</a>                |            |            |
| properties | use                                           | required   |            |
| facets     | Kind                                          | Value      | Annotation |
|            | enumeration                                   | Horizontal |            |
|            | enumeration                                   | Vertical   |            |
|            | enumeration                                   | None       |            |
| annotation | documentation<br>The sheet's grain direction. |            |            |

### attribute **StockSheet/@Height**

|            |                                           |  |  |
|------------|-------------------------------------------|--|--|
| type       | <a href="#">LinearDimensionType</a>       |  |  |
| annotation | documentation<br>The height of the sheet. |  |  |

### attribute **StockSheet/@MIS\_ID**

|        |                                     |       |            |
|--------|-------------------------------------|-------|------------|
| type   | <a href="#">TextType</a> <b>Max</b> |       |            |
| facets | Kind                                | Value | Annotation |
|        | minLength                           | 0     |            |

|            |                                                                                                                                                                                                                                                          |
|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|            | maxLength 250                                                                                                                                                                                                                                            |
| annotation | documentation<br>A globally unique identifier (GUID) for the stock sheet that identifies the product to the originating MIS system. If not supplied, defaults to an empty string. If supplied, will not be editable within Metrix. Up to 250 characters. |

#### attribute **StockSheet/@PieceType**

|        |                                |       |            |
|--------|--------------------------------|-------|------------|
| type   | <a href="#">StockPieceType</a> |       |            |
| facets | Kind                           | Value | Annotation |
|        | enumeration                    | Sheet |            |
|        | enumeration                    | Roll  |            |

#### attribute **StockSheet/@Width**

|            |                                                |       |            |
|------------|------------------------------------------------|-------|------------|
| type       | <a href="#">LinearDimension SheetWidthType</a> |       |            |
| properties | use required                                   |       |            |
| facets     | Kind                                           | Value | Annotation |
|            | minInclusive                                   | 76.2  |            |
| annotation | documentation<br>The width of the sheet.       |       |            |

#### element **StockSheetRef**

|            |                                                     |                                                    |     |         |       |            |
|------------|-----------------------------------------------------|----------------------------------------------------|-----|---------|-------|------------|
| type       | extension of <a href="#">ResourceRefElementType</a> |                                                    |     |         |       |            |
| properties | content complex                                     |                                                    |     |         |       |            |
| used by    | element                                             | <a href="#">StockSheetRefPool</a>                  |     |         |       |            |
|            | complexType                                         | <a href="#">LayoutDefinition</a>                   |     |         |       |            |
| attributes | Name                                                | Type                                               | Use | Default | Fixed | Annotation |
|            | <a href="#">rRef</a>                                | <a href="#">RefIDType</a>                          |     |         |       |            |
|            | <a href="#">CutoffLength</a>                        | <a href="#">LinearDimension SheetAcrossMinType</a> |     |         |       |            |

#### attribute **StockSheetRef/@CutoffLength**

|        |                                                    |       |            |
|--------|----------------------------------------------------|-------|------------|
| type   | <a href="#">LinearDimension SheetAcrossMinType</a> |       |            |
| facets | Kind                                               | Value | Annotation |
|        | minInclusive                                       | 76.2  |            |

#### element **StockSheetRefPool**

|            |                               |                                                              |
|------------|-------------------------------|--------------------------------------------------------------|
| properties | content complex               |                                                              |
| children   | <a href="#">StockSheetRef</a> |                                                              |
| used by    | elements                      | <a href="#">AutoPlanHints</a> <a href="#">AutoProduction</a> |

#### element **TaskInfo**

|            |                                  |                    |     |         |       |               |
|------------|----------------------------------|--------------------|-----|---------|-------|---------------|
| properties | content complex                  |                    |     |         |       |               |
| used by    | element <a href="#">Project</a>  |                    |     |         |       |               |
| attributes | Name                             | Type               | Use | Default | Fixed | Annotation    |
|            | <a href="#">DoLayoutDiagrams</a> | <b>xs:boolean</b>  |     | true    |       |               |
|            | <a href="#">OverallTimeout</a>   | <b>derived by:</b> |     |         |       | documentation |

|  |                                   |                                                     |         |
|--|-----------------------------------|-----------------------------------------------------|---------|
|  | <a href="#">PreviousProjectID</a> | <b>xs:nonNegativeInteger</b><br><b>TextType Max</b> | Seconds |
|--|-----------------------------------|-----------------------------------------------------|---------|

attribute **TaskInfo/@DoLayoutDiagrams**

|            |                   |      |  |
|------------|-------------------|------|--|
| type       | <b>xs:boolean</b> |      |  |
| properties | default           | true |  |

attribute **TaskInfo/@OverallTimeout**

|            |                                             |       |            |
|------------|---------------------------------------------|-------|------------|
| type       | restriction of <b>xs:nonNegativeInteger</b> |       |            |
| facets     | Kind                                        | Value | Annotation |
|            | maxInclusive                                | 3600  |            |
| annotation | documentation<br>Seconds                    |       |            |

attribute **TaskInfo/@PreviousProjectID**

|        |                              |       |            |
|--------|------------------------------|-------|------------|
| type   | <a href="#">TextType Max</a> |       |            |
| facets | Kind                         | Value | Annotation |
|        | minLength                    | 0     |            |
|        | maxLength                    | 250   |            |

element **TextFolds**

|            |                                  |                                |
|------------|----------------------------------|--------------------------------|
| properties | content                          | complex                        |
| children   | <a href="#">FoldingSchemeRef</a> |                                |
| used by    | element                          | <a href="#">ComponentHints</a> |

element **TextFolds/FoldingSchemeRef**

|            |                                                                                                  |                                   |     |         |       |            |
|------------|--------------------------------------------------------------------------------------------------|-----------------------------------|-----|---------|-------|------------|
| type       | <a href="#">ResourceRefElementType</a>                                                           |                                   |     |         |       |            |
| properties | minOcc                                                                                           | 1                                 |     |         |       |            |
|            | maxOcc                                                                                           | unbounded                         |     |         |       |            |
|            | content                                                                                          | complex                           |     |         |       |            |
| attributes | Name<br><a href="#">rRef</a>                                                                     | Type<br><a href="#">RefIDType</a> | Use | Default | Fixed | Annotation |
| annotation | documentation<br>This is a folding scheme to possibly be used when constructing text components. |                                   |     |         |       |            |

element **TextInkPool**

|            |                        |                                |
|------------|------------------------|--------------------------------|
| properties | content                | complex                        |
| children   | <a href="#">InkRef</a> |                                |
| used by    | element                | <a href="#">ComponentHints</a> |

element **TextInkPool/InkRef**

|      |                                        |
|------|----------------------------------------|
| type | <a href="#">ResourceRefElementType</a> |
|------|----------------------------------------|

|            |                                                 |                                   |     |         |       |            |
|------------|-------------------------------------------------|-----------------------------------|-----|---------|-------|------------|
| properties | minOcc 1<br>maxOcc unbounded<br>content complex |                                   |     |         |       |            |
| attributes | Name<br><a href="#">rRef</a>                    | Type<br><a href="#">RefIDType</a> | Use | Default | Fixed | Annotation |

## element **TextMark**

|            |                                                           |                                        |          |         |       |                                                                                                    |
|------------|-----------------------------------------------------------|----------------------------------------|----------|---------|-------|----------------------------------------------------------------------------------------------------|
| properties | content complex                                           |                                        |          |         |       |                                                                                                    |
| used by    | elements <a href="#">MarkPool</a> <a href="#">MarkSet</a> |                                        |          |         |       |                                                                                                    |
| attributes | Name                                                      | Type                                   | Use      | Default | Fixed | Annotation                                                                                         |
|            | <a href="#">HorizontalOffset</a>                          | <a href="#">LinearDimensionType</a>    | required |         |       | documentation<br>The horizontal offset amount of the mark from the lower-left corner of the sheet. |
|            | <a href="#">LayoutAnchorHorizontal</a>                    | <a href="#">MarkAnchorLocationType</a> | required |         |       | documentation<br>Horizontal anchor point on the layout.                                            |
|            | <a href="#">LayoutAnchorObject</a>                        | <a href="#">MarkAnchorObjectType</a>   | required |         |       | documentation<br>Mark is anchored relative to the selected object.                                 |
|            | <a href="#">LayoutAnchorVertical</a>                      | <a href="#">MarkAnchorLocationType</a> | required |         |       | documentation<br>Vertical anchor point on the layout.                                              |
|            | <a href="#">MarkAnchorHorizontal</a>                      | <a href="#">MarkAnchorLocationType</a> | required |         |       | documentation<br>Mark horizontal anchor point.                                                     |
|            | <a href="#">MarkAnchorVertical</a>                        | <a href="#">MarkAnchorLocationType</a> | required |         |       | documentation<br>Mark vertical anchor point.                                                       |
|            | <a href="#">MirrorBackup</a>                              | xs:boolean                             | required |         |       | documentation<br>When True, the position of the mark on the back mirrors the front.                |
|            | <a href="#">OverPageContent</a>                           | xs:boolean                             | required |         |       | documentation<br>When True, marks will overprint page content.                                     |
|            | <a href="#">Output</a>                                    | <a href="#">MarkOutputType</a>         | required |         |       | documentation<br>Mark output type.                                                                 |
|            | <a href="#">Placement</a>                                 | <a href="#">MarkPlacementType</a>      | required |         |       | documentation<br>Side(s) of the layout on which to place the mark.                                 |
|            | <a href="#">VerticalOffset</a>                            | <a href="#">LinearDimensionType</a>    | required |         |       | documentation<br>The vertical offset amount                                                        |

|  |  |                                                      |
|--|--|------------------------------------------------------|
|  |  | of the mark from the lower-left corner of the sheet. |
|--|--|------------------------------------------------------|

element **TextStock**

|            |                                                                                                                                 |                                |
|------------|---------------------------------------------------------------------------------------------------------------------------------|--------------------------------|
| properties | content                                                                                                                         | complex                        |
| children   | <a href="#">StockRef</a>                                                                                                        |                                |
| used by    | element                                                                                                                         | <a href="#">ComponentHints</a> |
| annotation | documentation<br>An element specifying the Stock text components are made of. This is the stock to use for the text components. |                                |

element **TextStock/StockRef**

|            |                                        |                                   |        |           |         |            |
|------------|----------------------------------------|-----------------------------------|--------|-----------|---------|------------|
| type       | <a href="#">ResourceRefElementType</a> |                                   |        |           |         |            |
| properties | minOcc                                 | 1                                 | maxOcc | unbounded | content | complex    |
| attributes | Name<br><a href="#">rRef</a>           | Type<br><a href="#">RefIDType</a> | Use    | Default   | Fixed   | Annotation |

element **TransparentColor**

|            |                             |                      |
|------------|-----------------------------|----------------------|
| properties | content                     | complex              |
| children   | <a href="#">RGBColorRef</a> |                      |
| used by    | element                     | <a href="#">Page</a> |

element **TrimMarks**

|            |                                      |                                                                    |          |         |       |                                                                                                                                                                                                                                      |
|------------|--------------------------------------|--------------------------------------------------------------------|----------|---------|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| properties | content    complex                   |                                                                    |          |         |       |                                                                                                                                                                                                                                      |
| children   | <a href="#">InkRef</a>               |                                                                    |          |         |       |                                                                                                                                                                                                                                      |
| used by    | element <a href="#">ResourcePool</a> |                                                                    |          |         |       |                                                                                                                                                                                                                                      |
| attributes | Name                                 | Type                                                               | Use      | Default | Fixed | Annotation                                                                                                                                                                                                                           |
|            | <a href="#">ID</a>                   | <a href="#">RefIDType</a>                                          | required |         |       | documentation<br>An identifier for the element, unique within the scope of the MXML document. The ID attribute can be used as a reference to the element from elsewhere in the MXML document. Up to 250 characters.<br>documentation |
|            | <a href="#">Length</a>               | <a href="#">LinearDimension</a> <a href="#">TrimMarkLengthType</a> | required |         |       |                                                                                                                                                                                                                                      |

|  |                                                                                                  |                                                                                                                                                            |
|--|--------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | <a href="#">DistanceFromPageTrim</a> <a href="#">LinearDimension TrimMarkLengthType</a> required | The trim mark length. 0 (zero) length turns off trim marks.<br><a href="#">documentation</a>                                                               |
|  | <a href="#">ThicknessPoints</a> <a href="#">PointsType MaxMarkThickness</a> required             | The distance from the page trim to the beginning of the trim mark.<br><a href="#">documentation</a>                                                        |
|  | <a href="#">OverPageContent</a> <b>xs:boolean</b> required                                       | The mark thickness or weight in points.<br><a href="#">documentation</a>                                                                                   |
|  | <a href="#">AllSeparations</a> <b>xs:boolean</b> required                                        | When True, fold marks will overprint page content.<br><a href="#">documentation</a>                                                                        |
|  | <a href="#">KnockoutThicknessFactor</a> <a href="#">WhiteKnockoutThicknessFactorType</a> None    | When True, the marks print in All Separations. If False, the InkRef will refer to the Ink element the marks should print.<br><a href="#">documentation</a> |
|  |                                                                                                  | Used when exporting. Defines the thickness of the knockout area for line marks relative to the thickness of the line marks.                                |

attribute **TrimMarks/@ID**

|            |                                                                                                                                                                                                                                     |          |            |
|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|------------|
| type       | <a href="#">RefIDType</a>                                                                                                                                                                                                           |          |            |
| properties | use                                                                                                                                                                                                                                 | required |            |
| facets     | Kind                                                                                                                                                                                                                                | Value    | Annotation |
|            | minLength                                                                                                                                                                                                                           | 0        |            |
|            | maxLength                                                                                                                                                                                                                           | 250      |            |
| annotation | <a href="#">documentation</a><br>An identifier for the element, unique within the scope of the MXML document. The ID attribute can be used as a reference to the element from elsewhere in the MXML document. Up to 250 characters. |          |            |

attribute **TrimMarks/@Length**

|            |                                                    |          |            |
|------------|----------------------------------------------------|----------|------------|
| type       | <a href="#">LinearDimension TrimMarkLengthType</a> |          |            |
| properties | use                                                | required |            |
| facets     | Kind                                               | Value    | Annotation |
|            | minInclusive                                       | 0        |            |
|            | maxInclusive                                       | 2540     |            |

|            |                                                                              |
|------------|------------------------------------------------------------------------------|
| annotation | documentation<br>The trim mark length. 0 (zero) length turns off trim marks. |
|------------|------------------------------------------------------------------------------|

#### attribute **TrimMarks/@DistanceFromPageTrim**

|            |                                                                                     |          |            |
|------------|-------------------------------------------------------------------------------------|----------|------------|
| type       | <a href="#">LinearDimension TrimMarkLengthType</a>                                  |          |            |
| properties | use                                                                                 | required |            |
| facets     | Kind                                                                                | Value    | Annotation |
|            | minInclusive                                                                        | 0        |            |
|            | maxInclusive                                                                        | 2540     |            |
| annotation | documentation<br>The distance from the page trim to the beginning of the trim mark. |          |            |

#### element **TrimMarks/InkRef**

|            |                                                                               |                           |     |         |       |            |
|------------|-------------------------------------------------------------------------------|---------------------------|-----|---------|-------|------------|
| type       | <a href="#">ResourceRefElementType</a>                                        |                           |     |         |       |            |
| properties | minOcc                                                                        | 0                         |     |         |       |            |
|            | maxOcc                                                                        | 1                         |     |         |       |            |
|            | content                                                                       | complex                   |     |         |       |            |
| attributes | Name                                                                          | Type                      | Use | Default | Fixed | Annotation |
|            | <a href="#">rRef</a>                                                          | <a href="#">RefIDType</a> |     |         |       |            |
| annotation | documentation<br>Required if AllSeparations is False, otherwise not required. |                           |     |         |       |            |

#### element **TrimMarksRef**

|            |                              |                                                                                   |     |         |       |            |
|------------|------------------------------|-----------------------------------------------------------------------------------|-----|---------|-------|------------|
| properties | content complex              |                                                                                   |     |         |       |            |
| used by    | element group                | <a href="#">ExportCompleteJDFImposition</a><br><a href="#">GroupMemImposition</a> |     |         |       |            |
| attributes | Name<br><a href="#">rRef</a> | Type<br><a href="#">RefIDType</a>                                                 | Use | Default | Fixed | Annotation |

#### attribute **TrimMarksRef/@rRef**

|        |                           |       |            |  |  |  |
|--------|---------------------------|-------|------------|--|--|--|
| type   | <a href="#">RefIDType</a> |       |            |  |  |  |
| facets | Kind                      | Value | Annotation |  |  |  |
|        | minLength                 | 0     |            |  |  |  |
|        | maxLength                 | 250   |            |  |  |  |

#### element **User**

|            |                               |                              |          |         |       |                                                                                   |
|------------|-------------------------------|------------------------------|----------|---------|-------|-----------------------------------------------------------------------------------|
| type       | extension of <b>xs:string</b> |                              |          |         |       |                                                                                   |
| properties | content                       | complex                      |          |         |       |                                                                                   |
| used by    | element                       | <a href="#">ResourcePool</a> |          |         |       |                                                                                   |
| attributes | Name                          | Type                         | Use      | Default | Fixed | Annotation                                                                        |
|            | <a href="#">CUD</a>           | <a href="#">CUDType</a>      |          |         |       |                                                                                   |
|            | <a href="#">Name</a>          | <a href="#">TextType_Max</a> | required |         |       | documentation<br>A user-definable name identifying the User. Up to 90 characters. |

### attribute **User/@CUD**

|        |                        |        |            |
|--------|------------------------|--------|------------|
| type   | <a href="#">CUType</a> |        |            |
| facets | Kind                   | Value  | Annotation |
|        | enumeration            | Create |            |
|        | enumeration            | Update |            |
|        | enumeration            | Delete |            |

### attribute **User/@Name**

|            |                                                                                   |          |            |
|------------|-----------------------------------------------------------------------------------|----------|------------|
| type       | <a href="#">TextType Max</a>                                                      |          |            |
| properties | use                                                                               | required |            |
| facets     | Kind                                                                              | Value    | Annotation |
|            | minLength                                                                         | 0        |            |
|            | maxLength                                                                         | 250      |            |
| annotation | documentation<br>A user-definable name identifying the User. Up to 90 characters. |          |            |

### group **GroupMemImposition**

|          |                                                                                                                                         |                                                                                                               |  |
|----------|-----------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|--|
| children | <a href="#">TrimMarksRef</a> <a href="#">ExternalFoldMarksRef</a> <a href="#">InternalFoldMarksRef</a> <a href="#">ProofingLinesRef</a> |                                                                                                               |  |
| used by  | elements                                                                                                                                | <a href="#">ExportBarcodedImposedPDF</a> <a href="#">ExportImposedPDF</a> <a href="#">ExportJDFImposition</a> |  |

### complexType **BindingMachineDefinition**

|            |                                                                                                 |                                |          |         |       |                                                                                                                                                                                                                                                                                                |
|------------|-------------------------------------------------------------------------------------------------|--------------------------------|----------|---------|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| children   | <a href="#">CollationMarksPrimaryMarkColor</a> <a href="#">CollationMarksSecondaryMarkColor</a> |                                |          |         |       |                                                                                                                                                                                                                                                                                                |
| used by    | element                                                                                         | <a href="#">BindingMachine</a> |          |         |       |                                                                                                                                                                                                                                                                                                |
| attributes | Name                                                                                            | Type                           | Use      | Default | Fixed | Annotation                                                                                                                                                                                                                                                                                     |
|            | <a href="#">CUD</a>                                                                             | <a href="#">CUType</a>         |          |         |       |                                                                                                                                                                                                                                                                                                |
|            | <a href="#">ID</a>                                                                              | <a href="#">RefIDType</a>      | required |         |       | documentation<br>An identifier for the element, unique within the scope of the MXML document. The ID attribute can be used as a reference to the element from elsewhere in the MXML document. Up to 250 characters.                                                                            |
|            | <a href="#">MIS_ID</a>                                                                          | <a href="#">TextType Max</a>   |          |         |       | documentation<br>One of DeviceID or MIS_ID is required.<br>A globally unique identifier (GUID) for the product that identifies the product to the originating MIS system. If not supplied, defaults to an empty string. If supplied, will not be editable within Metrix. Up to 250 characters. |
|            | <a href="#">Name</a>                                                                            | <a href="#">TextType Max</a>   | required |         |       | documentation<br>Required when running in memory-only mode (i.e., when the root<br>MetrixXML/@MemoryOnly =                                                                                                                                                                                     |



|                                                    |                                                                             |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|----------------------------------------------------|-----------------------------------------------------------------------------|----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <a href="#">CollationMarksOverPageContent</a>      | <b>xs:boolean</b>                                                           | required | <p>MetrixXML/@MemoryOnly = True).</p> <p>The collation mark height.</p> <p><a href="#">documentation</a></p> <p>Required when running in memory-only mode (i.e., when the root MetrixXML/@MemoryOnly = True).</p> <p>Whether or not collation marks print over other text.</p> <p><a href="#">documentation</a></p>                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <a href="#">CollationMarksRepeatNumber</a>         | <b>derived by: xs:positiveInteger</b>                                       | required | <p>Required when running in memory-only mode (i.e., when the root MetrixXML/@MemoryOnly = True).</p> <p>The number of collation marks to step before beginning at the Start Offset again.</p> <p><a href="#">documentation</a></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <a href="#">CollationMarksStartOffset</a>          | <b>derived by: <a href="#">LinearDimensionType</a></b>                      | required | <p>Required when running in memory-only mode (i.e., when the root MetrixXML/@MemoryOnly = True).</p> <p>The distance from the jog/spine intersection to place the first collation mark.</p> <p><a href="#">documentation</a></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <a href="#">CollationMarksTrailingText</a>         | <b><a href="#">TextType</a> Max</b>                                         | required | <p>Required when running in memory-only mode (i.e., when the root MetrixXML/@MemoryOnly = True).</p> <p>The text for the collation marks. May use variables supported by Metrix but note that since all Metrix variables begin and end with "less than" and "greater than" symbols and these are XML markup characters, these characters need to be escaped within MXML as:</p> <p>"less than" = &amp;lt;</p> <p>"greater than" = &amp;gt;</p> <p>For example, a CollationMarksTrailingText attribute for a "(less than)TextComponent.Number(greater than)" variable would be written in MXML as:</p> <p>CollationMarksTrailingText = "&amp;lt;TextComponent.Number&amp;gt;"</p> <p>BlockOfMarks</p> <p>IndividualMarks</p> <p><a href="#">documentation</a></p> |
| <a href="#">CollationMarksTrailingTextAnchor</a>   | <b>derived by: xs:string</b>                                                | required | <p>Required when running in memory-only mode (i.e., when the root MetrixXML/@MemoryOnly = True). Anchor for the CollationMarksTrailingText.</p> <p><a href="#">documentation</a></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <a href="#">CollationMarksTrailingTextPosition</a> | <b><a href="#">PointsType</a> <a href="#">CollationMarkFontSizeType</a></b> | required | <p><a href="#">documentation</a></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |

|                                          |                                                    |          |                                                                                                                                                                                                                                                                                                                                              |
|------------------------------------------|----------------------------------------------------|----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <a href="#">intSize</a>                  |                                                    | ed       | Required when running in memory-only mode (i.e., when the root MetrixXML/@MemoryOnly = True). The size of the trailing text in points.                                                                                                                                                                                                       |
| <a href="#">CollationMarksType</a>       | derived by: <b>xs:string</b>                       | required | documentation<br>Required when running in memory-only mode (i.e., when the root MetrixXML/@MemoryOnly = True). Placement of the collation mark.                                                                                                                                                                                              |
| <a href="#">CollationMarksWidth</a>      | derived by: <a href="#">LinearDimensionType</a>    | required | documentation<br>Required when running in memory-only mode (i.e., when the root MetrixXML/@MemoryOnly = True). The collation mark width.                                                                                                                                                                                                     |
| <a href="#">CoverDefaultJogTrim</a>      | <a href="#">LinearDimension BinderJogTrimType</a>  | required | documentation<br>Required when running in memory-only mode (i.e., when the root MetrixXML/@MemoryOnly = True). The default, or preferred, cover jog trim for this binding machine. Only read if CoverFeeder = True.                                                                                                                          |
| <a href="#">CoverFeeder</a>              | <b>xs:boolean</b>                                  | required | documentation<br>Required when running in memory-only mode (i.e., when the root MetrixXML/@MemoryOnly = True). Whether the binding machine is equipped with a cover feeder. If True, the Cover properties below are used to check the binding properties of the product's cover component. If False, the Cover properties below are ignored. |
| <a href="#">CoverJogMustMatchTextJog</a> | <b>xs:boolean</b>                                  | required | documentation<br>Required when running in memory-only mode (i.e., when the root MetrixXML/@MemoryOnly = True). The jog trim of the cover must match the jog trim of the text. Only read if CoverFeeder = True.                                                                                                                               |
| <a href="#">CoverLapEdge</a>             | <a href="#">BinderLapEdgeType</a>                  | required | documentation<br>Required when running in memory-only mode (i.e., when the root MetrixXML/@MemoryOnly = True). The placement of the cover lap edge. Only read if CoverFeeder = True.                                                                                                                                                         |
| <a href="#">CoverMaxFaceTrim</a>         | <a href="#">LinearDimension BinderFaceTrimType</a> | required | documentation<br>Required when running in memory-only mode (i.e., when                                                                                                                                                                                                                                                                       |

|                                    |                                                      |          |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|------------------------------------|------------------------------------------------------|----------|--|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                    |                                                      |          |  | <p>the root<br/>MetrixXML/@MemoryOnly = True).</p> <p>The maximum cover face trim (front face and/or back face) allowed for this binding machine. Only read if CoverFeeder = True.</p> <p>documentation<br/>Required when running in memory-only mode (i.e., when the root<br/>MetrixXML/@MemoryOnly = True).</p> <p>The maximum cover jog trim allowed for this binding machine. Only read if CoverFeeder = True.</p> <p>documentation<br/>Required when running in memory-only mode (i.e., when the root<br/>MetrixXML/@MemoryOnly = True).</p> <p>The maximum cover lap (or lip) allowed for this binding machine. Only read if CoverFeeder = True.</p> <p>documentation<br/>Required when running in memory-only mode (i.e., when the root<br/>MetrixXML/@MemoryOnly = True).</p> <p>The maximum cover non-jog trim allowed for this binding machine. Only read if CoverFeeder = True.</p> <p>documentation<br/>Required when running in memory-only mode (i.e., when the root<br/>MetrixXML/@MemoryOnly = True).</p> <p>The maximum cover spine width allowed for this binding machine. Only read if CoverFeeder = True.</p> <p>documentation<br/>Required when running in memory-only mode (i.e., when the root<br/>MetrixXML/@MemoryOnly = True).</p> <p>The minimum cover face trim (front face and/or back face) required for this binding machine. Only read if CoverFeeder = True.</p> <p>documentation<br/>Required when running in memory-only mode (i.e., when the root<br/>MetrixXML/@MemoryOnly = True).</p> <p>The minimum cover jog trim required for this binding</p> |
| <a href="#">CoverMaxJogTrim</a>    | <a href="#">LinearDimension_BinderJogTrimType</a>    | required |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <a href="#">CoverMaxLap</a>        | <a href="#">LinearDimension_BinderLapType</a>        | required |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <a href="#">CoverMaxNonJogTrim</a> | <a href="#">LinearDimension_BinderNonJogTrimType</a> | required |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <a href="#">CoverMaxSpineWidth</a> | <a href="#">LinearDimension_BinderSpineWidthType</a> | required |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <a href="#">CoverMinFaceTrim</a>   | <a href="#">LinearDimension_BinderFaceTrimType</a>   | required |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <a href="#">CoverMinJogTrim</a>    | <a href="#">LinearDimension_BinderJogTrimType</a>    | required |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

|                                          |                                                       |          |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|------------------------------------------|-------------------------------------------------------|----------|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <a href="#">CoverMinLap</a>              | <a href="#">LinearDimension BinderLapType</a>         | required |    | <p>machine. Only read if CoverFeeder = True.</p> <p><a href="#">documentation</a></p> <p>Required when running in memory-only mode (i.e., when the root MetrixXML/@MemoryOnly = True).</p> <p>The minimum cover lap (or lip) required for this binding machine. Only read if CoverFeeder = True.</p>                                                                                                                                                                                             |
| <a href="#">CoverMinNonJogTrim</a>       | <a href="#">LinearDimension BinderNonJogTrimType</a>  | required |    | <p><a href="#">documentation</a></p> <p>Required when running in memory-only mode (i.e., when the root MetrixXML/@MemoryOnly = True).</p> <p>The minimum cover non-jog trim required for this binding machine. Only read if CoverFeeder = True.</p>                                                                                                                                                                                                                                              |
| <a href="#">DefaultJogTrim</a>           | <a href="#">LinearDimension BinderJogTrimType</a>     | required |    | <p><a href="#">documentation</a></p> <p>Required when running in memory-only mode (i.e., when the root MetrixXML/@MemoryOnly = True).</p> <p>The default, or preferred, jog trim for this binding machine.</p>                                                                                                                                                                                                                                                                                   |
| <a href="#">DefaultNumberOfStitches</a>  | derived by: xs:nonNegativeInteger                     |          | 2  | <p><a href="#">documentation</a></p> <p>Required when running in memory-only mode (i.e., when the root MetrixXML/@MemoryOnly = True).</p> <p>The default number of stitches for saddle-stitched products. An integer from 0 – 4.</p>                                                                                                                                                                                                                                                             |
| <a href="#">DefaultNUpOffset</a>         | <a href="#">LinearDimension BinderNupOffsetType</a>   | required |    | <p><a href="#">documentation</a></p> <p>Required when running in memory-only mode (i.e., when the root MetrixXML/@MemoryOnly = True).</p> <p>The default (preferred) margin between 2-Up and 3-Up products.</p>                                                                                                                                                                                                                                                                                  |
| <a href="#">DefaultSideScoreDistance</a> | <a href="#">LinearDimension SideScoreDistanceType</a> |          | 0  | <p><a href="#">documentation</a></p> <p>Required when running in memory-only mode (i.e., when the root MetrixXML/@MemoryOnly = True).</p> <p>For perfect bound (side-by-side) products requiring two extra scores on the cover sides, one on the front and one on the back, for a total of 4 scores. The value indicates the distance from the spine scores to the side scores. Measurement in the valid range up to 25.4mm or 1". A value of 0 (zero) indicates no extra side spine scores.</p> |
| <a href="#">DefaultStackCount</a>        | derived by: xs:positiveInteger                        |          | 20 | <p><a href="#">documentation</a></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                             |

|                                        |                                                     |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|----------------------------------------|-----------------------------------------------------|----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <a href="#">DefaultStackLayerCount</a> | <b>derived by: xs:positiveInteger</b>               | 1        | <p>Required when running in memory-only mode (i.e., when the root MetrixXML/@MemoryOnly = True).</p> <p>The default number of finished products to stack once binding is complete, to bundle up for delivery.</p> <p><a href="#">documentation</a></p> <p>Required when running in memory-only mode (i.e., when the root MetrixXML/@MemoryOnly = True).</p> <p>The default number of finished products to stack in each layer. Layers are usually rotated by 180° to compensate for variations in thickness from the spine to the face.</p> |
| <a href="#">DefaultStapleShape</a>     | <b>derived by: xs:string</b>                        | required | <p><a href="#">documentation</a></p> <p>Required when running in memory-only mode (i.e., when the root MetrixXML/@MemoryOnly = True).</p> <p>The default staple shape for saddle-stitched products. Default: Butted</p>                                                                                                                                                                                                                                                                                                                     |
| <a href="#">DefaultTextSpineTrim</a>   | <a href="#">LinearDimension BinderSpineTrimType</a> | required | <p><a href="#">documentation</a></p> <p>Required when running in memory-only mode (i.e., when the root MetrixXML/@MemoryOnly = True).</p> <p>The default, or preferred, text spine trim for this binding machine.</p>                                                                                                                                                                                                                                                                                                                       |
| <a href="#">LapEdge</a>                | <a href="#">BinderLapEdgeType</a>                   | required | <p><a href="#">documentation</a></p> <p>Required when running in memory-only mode (i.e., when the root MetrixXML/@MemoryOnly = True).</p> <p>The placement of the lap edge.</p>                                                                                                                                                                                                                                                                                                                                                             |
| <a href="#">MaxBindingNumberUp</a>     | <a href="#">NumberUpType</a>                        | required | <p><a href="#">documentation</a></p> <p>If not supplied defaults to 1.</p> <p>Required when running in memory-only mode (i.e., when the root MetrixXML/@MemoryOnly = True).</p> <p>The maximum binding number up for this binding machine.</p>                                                                                                                                                                                                                                                                                              |
| <a href="#">MaxFaceTrim</a>            | <a href="#">LinearDimension BinderFaceTrimType</a>  | required | <p><a href="#">documentation</a></p> <p>Required when running in memory-only mode (i.e., when the root MetrixXML/@MemoryOnly = True).</p> <p>The maximum face trim (font face and/or back face) allowed for this binding machine.</p>                                                                                                                                                                                                                                                                                                       |
| <a href="#">MaxJogTrim</a>             | <a href="#">LinearDimension BinderJogTrimType</a>   | required | <p><a href="#">documentation</a></p> <p>Required when running in</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |

|                                  |                                                      |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|----------------------------------|------------------------------------------------------|----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                  |                                                      |          | memory-only mode (i.e., when the root MetrixXML/@MemoryOnly = True).<br>The maximum jog trim allowed for this binding machine.<br>documentation<br>Required when running in memory-only mode (i.e., when the root MetrixXML/@MemoryOnly = True).<br>The maximum lap allowed for this binding machine.<br>documentation<br>Required when running in memory-only mode (i.e., when the root MetrixXML/@MemoryOnly = True).<br>The maximum non-jog trim allowed for this binding machine.<br>documentation<br>Required when running in memory-only mode (i.e., when the root MetrixXML/@MemoryOnly = True).<br>The maximum margin allowed between 2-Up and 3-Up products.<br>documentation<br>Required when running in memory-only mode (i.e., when the root MetrixXML/@MemoryOnly = True).<br>The minimum text spine trim (grind-off) required for this binding machine.<br>documentation<br>Required when running in memory-only mode (i.e., when the root MetrixXML/@MemoryOnly = True).<br>The maximum trim height allowed for this binding machine.<br>documentation<br>Required when running in memory-only mode (i.e., when the root MetrixXML/@MemoryOnly = True).<br>The maximum trim width allowed for this binding machine.<br>documentation<br>Required when running in memory-only mode (i.e., when the root MetrixXML/@MemoryOnly = True).<br>The maximum face trim (front |
| <a href="#">MaxLap</a>           | <a href="#">LinearDimension BinderLapType</a>        |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <a href="#">MaxNonJogTrim</a>    | <a href="#">LinearDimension BinderJogTrimType</a>    | required |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <a href="#">MaxNUpOffset</a>     | <a href="#">LinearDimension BinderNupOffsetType</a>  | required |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <a href="#">MaxTextSpineTrim</a> | <a href="#">LinearDimension BinderSpineTrimType</a>  | required |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <a href="#">MaxTrimmedHeight</a> | <a href="#">LinearDimension BinderTrimHeightType</a> | required |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <a href="#">MaxTrimmedWidth</a>  | <a href="#">LinearDimension BinderTrimWidthType</a>  | required |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <a href="#">MinFaceTrim</a>      | <a href="#">LinearDimension BinderFaceTrimType</a>   | required |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |

|                                  |                                                      |          |                                                                                                                                                                                                                                                                         |
|----------------------------------|------------------------------------------------------|----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <a href="#">MinJogTrim</a>       | <a href="#">LinearDimension BinderJogTrimType</a>    | required | <p>face and/or back face)<br/>required for this binding machine.</p> <p><a href="#">documentation</a><br/>Required when running in memory-only mode (i.e., when the root MetrixXML/@MemoryOnly = True).<br/>The minimum jog trim required for this binding machine.</p> |
| <a href="#">MinLap</a>           | <a href="#">LinearDimension BinderLapType</a>        | required | <p><a href="#">documentation</a><br/>Required when running in memory-only mode (i.e., when the root MetrixXML/@MemoryOnly = True).<br/>The minimum lap (or lip) required for this binding machine.</p>                                                                  |
| <a href="#">MinNonJogTrim</a>    | <a href="#">LinearDimension BinderJogTrimType</a>    | required | <p><a href="#">documentation</a><br/>Required when running in memory-only mode (i.e., when the root MetrixXML/@MemoryOnly = True).<br/>The minimum non-jog trim required for this binding machine.</p>                                                                  |
| <a href="#">MinNUpOffset</a>     | <a href="#">LinearDimension BinderNUpOffsetType</a>  | required | <p><a href="#">documentation</a><br/>Required when running in memory-only mode (i.e., when the root MetrixXML/@MemoryOnly = True).<br/>The minimum margin required between 2-Up and 3-Up products.</p>                                                                  |
| <a href="#">MinTextSpineTrim</a> | <a href="#">LinearDimension BinderSpineTrimType</a>  | required | <p><a href="#">documentation</a><br/>Required when running in memory-only mode (i.e., when the root MetrixXML/@MemoryOnly = True).<br/>The minimum trim height required for this binding machine.</p>                                                                   |
| <a href="#">MinTrimmedHeight</a> | <a href="#">LinearDimension BinderTrimHeightType</a> | required |                                                                                                                                                                                                                                                                         |
| <a href="#">MinTrimmedWidth</a>  | <a href="#">LinearDimension BinderTrimWidthType</a>  | required |                                                                                                                                                                                                                                                                         |
| <a href="#">SmallSigRule</a>     | derived by: xs:string                                | required | <p><a href="#">documentation</a><br/>Required when running in memory-only mode (i.e., when the root MetrixXML/@MemoryOnly = True).<br/>The placement of partial signatures (e.g. a 4-page</p>                                                                           |

|  |                                 |                   |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|--|---------------------------------|-------------------|----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  |                                 |                   |          | among a book made of 16-page signatures) in the bound product.<br>OUTSIDE: Only valid when AssemblyMethod = Saddled<br>INSIDE: Only valid when AssemblyMethod = Saddled<br>BACK: Only valid when AssemblyMethod = SideBySide<br>FRONT: Only valid when AssemblyMethod = SideBySide<br>documentation<br>Required when running in memory-only mode (i.e., when the root MetrixXML/@MemoryOnly = True).<br>Whether or not the binding machine is equipped with inline folding. |
|  | <a href="#">TextFoldsInline</a> | <b>xs:boolean</b> | required |                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |

#### attribute **BindingMachineDefinition/@DeviceID**

|            |                                                                                                                                                    |       |            |
|------------|----------------------------------------------------------------------------------------------------------------------------------------------------|-------|------------|
| type       | <a href="#">TextType_Max</a>                                                                                                                       |       |            |
| facets     | Kind                                                                                                                                               | Value | Annotation |
|            | minLength                                                                                                                                          | 0     |            |
|            | maxLength                                                                                                                                          | 250   |            |
| annotation | documentation<br>One of DeviceID or MIS_ID is required.<br>Used to identify devices when Metrix imports an MXML or JDF file. Up to 250 characters. |       |            |

#### attribute **BindingMachineDefinition/@AssemblyMethod**

|            |                                                                                                                                                                                                                                   |            |            |
|------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|------------|
| type       | restriction of <b>xs:string</b>                                                                                                                                                                                                   |            |            |
| properties | use                                                                                                                                                                                                                               | required   |            |
| facets     | Kind                                                                                                                                                                                                                              | Value      | Annotation |
|            | enumeration                                                                                                                                                                                                                       | Saddled    |            |
|            | enumeration                                                                                                                                                                                                                       | SideBySide |            |
| annotation | documentation<br>Required when running in memory-only mode (i.e., when the root MetrixXML/@MemoryOnly = True).<br>The type of binding machine. For a stitcher-trimmer, choose Saddled. For a perfect binder, choose Side-by-Side. |            |            |

#### attribute **BindingMachineDefinition/@CollationMarksDistanceFromAnchor**

|            |                                                                                                                                                                                                                     |          |            |
|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|------------|
| type       | <a href="#">LinearDimension</a> <a href="#">CollationMarkTextDistanceType</a>                                                                                                                                       |          |            |
| properties | use                                                                                                                                                                                                                 | required |            |
| facets     | Kind                                                                                                                                                                                                                | Value    | Annotation |
|            | minInclusive                                                                                                                                                                                                        | 0.79375  |            |
|            | maxInclusive                                                                                                                                                                                                        | 152.4    |            |
| annotation | documentation<br>Required when running in memory-only mode (i.e., when the root MetrixXML/@MemoryOnly = True).<br>The distance the trailing text will be from the individual collation marks or the block of marks. |          |            |

#### attribute **BindingMachineDefinition/@CollationMarksHeight**

|            |                                                                                                                                              |         |            |
|------------|----------------------------------------------------------------------------------------------------------------------------------------------|---------|------------|
| type       | restriction of <a href="#">LinearDimensionType</a>                                                                                           |         |            |
| properties | use required                                                                                                                                 |         |            |
| facets     | Kind                                                                                                                                         | Value   | Annotation |
|            | minInclusive                                                                                                                                 | 0.03125 |            |
|            | maxInclusive                                                                                                                                 | 6       |            |
| annotation | documentation<br>Required when running in memory-only mode (i.e., when the root MetrixXML/@MemoryOnly = True).<br>The collation mark height. |         |            |

#### attribute **BindingMachineDefinition/@CollationMarksOverPageContent**

|            |                                                                                                                                                                         |  |  |
|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|
| type       | <b>xs:boolean</b>                                                                                                                                                       |  |  |
| properties | use required                                                                                                                                                            |  |  |
| annotation | documentation<br>Required when running in memory-only mode (i.e., when the root MetrixXML/@MemoryOnly = True).<br>Whether or not collation marks print over other text. |  |  |

#### attribute **BindingMachineDefinition/@CollationMarksRepeatNumber**

|            |                                                                                                                                                                                                     |       |            |
|------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------------|
| type       | restriction of <b>xs:positiveInteger</b>                                                                                                                                                            |       |            |
| properties | use required                                                                                                                                                                                        |       |            |
| facets     | Kind                                                                                                                                                                                                | Value | Annotation |
|            | minInclusive                                                                                                                                                                                        | 2     |            |
|            | maxInclusive                                                                                                                                                                                        | 100   |            |
| annotation | documentation<br>Required when running in memory-only mode (i.e., when the root MetrixXML/@MemoryOnly = True).<br>The number of collation marks to step before beginning at the Start Offset again. |       |            |

#### attribute **BindingMachineDefinition/@CollationMarksStartOffset**

|            |                                                                                                                                                                                                   |       |            |
|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------------|
| type       | restriction of <a href="#">LinearDimensionType</a>                                                                                                                                                |       |            |
| properties | use required                                                                                                                                                                                      |       |            |
| facets     | Kind                                                                                                                                                                                              | Value | Annotation |
|            | minInclusive                                                                                                                                                                                      | 0     |            |
|            | maxInclusive                                                                                                                                                                                      | 6     |            |
| annotation | documentation<br>Required when running in memory-only mode (i.e., when the root MetrixXML/@MemoryOnly = True).<br>The distance from the jog/spine intersection to place the first collation mark. |       |            |

#### attribute **BindingMachineDefinition/@CollationMarksTrailingText**

|            |                                                                                                                                                                                                                                                                                                                                                                                                                                      |       |            |
|------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------------|
| type       | <a href="#">TextType Max</a>                                                                                                                                                                                                                                                                                                                                                                                                         |       |            |
| properties | use required                                                                                                                                                                                                                                                                                                                                                                                                                         |       |            |
| facets     | Kind                                                                                                                                                                                                                                                                                                                                                                                                                                 | Value | Annotation |
|            | minLength                                                                                                                                                                                                                                                                                                                                                                                                                            | 0     |            |
|            | maxLength                                                                                                                                                                                                                                                                                                                                                                                                                            | 250   |            |
| annotation | documentation<br>Required when running in memory-only mode (i.e., when the root MetrixXML/@MemoryOnly = True).<br>The text for the collation marks. May use variables supported by Metrix but note that since all Metrix variables begin and end with "less than" and "greater than" symbols and these are XML markup characters, these characters need to be escaped within MXML as:<br>"less than" = &lt;<br>"greater than" = &gt; |       |            |

|  |                                                                                                                                                                                                                                                                              |
|--|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | <p>For example, a CollationMarksTrailingText attribute for a "(less than)TextComponent.Number(greater than)" variable would be written in MXML as:</p> <p>CollationMarksTrailingText = "&amp;lt;TextComponent.Number&amp;gt;"</p> <p>BlockOfMarks</p> <p>IndividualMarks</p> |
|--|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

#### attribute **BindingMachineDefinition/@CollationMarksTrailingTextAnchor**

|            |                                                                                                                                                           |                 |            |
|------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|------------|
| type       | restriction of <b>xs:string</b>                                                                                                                           |                 |            |
| properties | use required                                                                                                                                              |                 |            |
| facets     | Kind                                                                                                                                                      | Value           | Annotation |
|            | enumeration                                                                                                                                               | BlockOfMarks    |            |
|            | enumeration                                                                                                                                               | IndividualMarks |            |
| annotation | documentation<br>Required when running in memory-only mode (i.e., when the root MetrixXML/@MemoryOnly = True). Anchor for the CollationMarksTrailingText. |                 |            |

#### attribute **BindingMachineDefinition/@CollationMarksTrailingTextPointSize**

|            |                                                                                                                                                         |       |            |
|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------------|
| type       | <a href="#">PointsType</a> <a href="#">CollationMarkFontSizeType</a>                                                                                    |       |            |
| properties | use required                                                                                                                                            |       |            |
| facets     | Kind                                                                                                                                                    | Value | Annotation |
|            | minInclusive                                                                                                                                            | 0.25  |            |
|            | maxInclusive                                                                                                                                            | 144   |            |
| annotation | documentation<br>Required when running in memory-only mode (i.e., when the root MetrixXML/@MemoryOnly = True). The size of the trailing text in points. |       |            |

#### attribute **BindingMachineDefinition/@CollationMarksType**

|            |                                                                                                                                                    |       |            |
|------------|----------------------------------------------------------------------------------------------------------------------------------------------------|-------|------------|
| type       | restriction of <b>xs:string</b>                                                                                                                    |       |            |
| properties | use required                                                                                                                                       |       |            |
| facets     | Kind                                                                                                                                               | Value | Annotation |
|            | enumeration                                                                                                                                        | None  |            |
|            | enumeration                                                                                                                                        | Jog   |            |
|            | enumeration                                                                                                                                        | Spine |            |
| annotation | documentation<br>Required when running in memory-only mode (i.e., when the root MetrixXML/@MemoryOnly = True).<br>Placement of the collation mark. |       |            |

#### attribute **BindingMachineDefinition/@CollationMarksWidth**

|            |                                                                                                                                             |         |            |
|------------|---------------------------------------------------------------------------------------------------------------------------------------------|---------|------------|
| type       | restriction of <a href="#">LinearDimensionType</a>                                                                                          |         |            |
| properties | use required                                                                                                                                |         |            |
| facets     | Kind                                                                                                                                        | Value   | Annotation |
|            | minInclusive                                                                                                                                | 0.03125 |            |
|            | maxInclusive                                                                                                                                | 6       |            |
| annotation | documentation<br>Required when running in memory-only mode (i.e., when the root MetrixXML/@MemoryOnly = True).<br>The collation mark width. |         |            |

attribute **BindingMachineDefinition/@CoverDefaultJogTrim**

|            |                                                                                                                                                                                                                        |       |            |
|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------------|
| type       | <a href="#">LinearDimension</a> <a href="#">BinderJogTrimType</a>                                                                                                                                                      |       |            |
| properties | use required                                                                                                                                                                                                           |       |            |
| facets     | Kind                                                                                                                                                                                                                   | Value | Annotation |
|            | minInclusive                                                                                                                                                                                                           | 0     |            |
|            | maxInclusive                                                                                                                                                                                                           | 152.4 |            |
| annotation | documentation<br>Required when running in memory-only mode (i.e., when the root MetrixXML/@MemoryOnly = True).<br>The default, or preferred, cover jog trim for this binding machine. Only read if CoverFeeder = True. |       |            |

attribute **BindingMachineDefinition/@CoverFeeder**

|            |                                                                                                                                                                                                                                                                                                                                                 |  |  |
|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|
| type       | <b>xs:boolean</b>                                                                                                                                                                                                                                                                                                                               |  |  |
| properties | use required                                                                                                                                                                                                                                                                                                                                    |  |  |
| annotation | documentation<br>Required when running in memory-only mode (i.e., when the root MetrixXML/@MemoryOnly = True).<br>Whether the binding machine is equipped with a cover feeder. If True, the Cover properties below are used to check the binding properties of the product's cover component. If False, the Cover properties below are ignored. |  |  |

attribute **BindingMachineDefinition/@CoverJogMustMatchTextJog**

|            |                                                                                                                                                                                                                   |  |  |
|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|
| type       | <b>xs:boolean</b>                                                                                                                                                                                                 |  |  |
| properties | use required                                                                                                                                                                                                      |  |  |
| annotation | documentation<br>Required when running in memory-only mode (i.e., when the root MetrixXML/@MemoryOnly = True).<br>The jog trim of the cover must match the jog trim of the text. Only read if CoverFeeder = True. |  |  |

attribute **BindingMachineDefinition/@CoverLapEdge**

|            |                                                                                                                                                                                         |        |            |
|------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|------------|
| type       | <a href="#">BinderLapEdgeType</a>                                                                                                                                                       |        |            |
| properties | use required                                                                                                                                                                            |        |            |
| facets     | Kind                                                                                                                                                                                    | Value  | Annotation |
|            | enumeration                                                                                                                                                                             | Either |            |
|            | enumeration                                                                                                                                                                             | Front  |            |
|            | enumeration                                                                                                                                                                             | Back   |            |
|            | enumeration                                                                                                                                                                             | None   |            |
| annotation | documentation<br>Required when running in memory-only mode (i.e., when the root MetrixXML/@MemoryOnly = True).<br>The placement of the cover lap edge. Only read if CoverFeeder = True. |        |            |

attribute **BindingMachineDefinition/@CoverMaxFaceTrim**

|            |                                                                                                                                                                                                                                                |       |            |
|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------------|
| type       | <a href="#">LinearDimension</a> <a href="#">BinderFaceTrimType</a>                                                                                                                                                                             |       |            |
| properties | use required                                                                                                                                                                                                                                   |       |            |
| facets     | Kind                                                                                                                                                                                                                                           | Value | Annotation |
|            | minInclusive                                                                                                                                                                                                                                   | 0     |            |
|            | maxInclusive                                                                                                                                                                                                                                   | 152.4 |            |
| annotation | documentation<br>Required when running in memory-only mode (i.e., when the root MetrixXML/@MemoryOnly = True).<br>The maximum cover face trim (front face and/or back face) allowed for this binding machine. Only read if CoverFeeder = True. |       |            |

attribute **BindingMachineDefinition/@CoverMaxJogTrim**

|            |                                                                                                                                                                                                                 |       |            |
|------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------------|
| type       | <a href="#">LinearDimension</a> <a href="#">BinderJogTrimType</a>                                                                                                                                               |       |            |
| properties | use required                                                                                                                                                                                                    |       |            |
| facets     | Kind                                                                                                                                                                                                            | Value | Annotation |
|            | minInclusive                                                                                                                                                                                                    | 0     |            |
|            | maxInclusive                                                                                                                                                                                                    | 152.4 |            |
| annotation | documentation<br>Required when running in memory-only mode (i.e., when the root MetrixXML/@MemoryOnly = True).<br>The maximum cover jog trim allowed for this binding machine. Only read if CoverFeeder = True. |       |            |

attribute **BindingMachineDefinition/@CoverMaxLap**

|            |                                                                                                                                                                                                                     |       |            |
|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------------|
| type       | <a href="#">LinearDimension</a> <a href="#">BinderLapType</a>                                                                                                                                                       |       |            |
| properties | use required                                                                                                                                                                                                        |       |            |
| facets     | Kind                                                                                                                                                                                                                | Value | Annotation |
|            | minInclusive                                                                                                                                                                                                        | 0     |            |
|            | maxInclusive                                                                                                                                                                                                        | 101.6 |            |
| annotation | documentation<br>Required when running in memory-only mode (i.e., when the root MetrixXML/@MemoryOnly = True).<br>The maximum cover lap (or lip) allowed for this binding machine. Only read if CoverFeeder = True. |       |            |

attribute **BindingMachineDefinition/@CoverMaxNonJogTrim**

|            |                                                                                                                                                                                                                     |       |            |
|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------------|
| type       | <a href="#">LinearDimension</a> <a href="#">BinderNonJogTrimType</a>                                                                                                                                                |       |            |
| properties | use required                                                                                                                                                                                                        |       |            |
| facets     | Kind                                                                                                                                                                                                                | Value | Annotation |
|            | minInclusive                                                                                                                                                                                                        | 0     |            |
|            | maxInclusive                                                                                                                                                                                                        | 152.4 |            |
| annotation | documentation<br>Required when running in memory-only mode (i.e., when the root MetrixXML/@MemoryOnly = True).<br>The maximum cover non-jog trim allowed for this binding machine. Only read if CoverFeeder = True. |       |            |

attribute **BindingMachineDefinition/@CoverMaxSpineWidth**

|            |                                                                                                                                                                                                                    |       |            |
|------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------------|
| type       | <a href="#">LinearDimension</a> <a href="#">BinderSpineWidthType</a>                                                                                                                                               |       |            |
| properties | use required                                                                                                                                                                                                       |       |            |
| facets     | Kind                                                                                                                                                                                                               | Value | Annotation |
|            | minInclusive                                                                                                                                                                                                       | 0     |            |
|            | maxInclusive                                                                                                                                                                                                       | 152.4 |            |
| annotation | documentation<br>Required when running in memory-only mode (i.e., when the root MetrixXML/@MemoryOnly = True).<br>The maximum cover spine width allowed for this binding machine. Only read if CoverFeeder = True. |       |            |

attribute **BindingMachineDefinition/@CoverMinFaceTrim**

|            |                                                                                                                |       |            |
|------------|----------------------------------------------------------------------------------------------------------------|-------|------------|
| type       | <a href="#">LinearDimension</a> <a href="#">BinderFaceTrimType</a>                                             |       |            |
| properties | use required                                                                                                   |       |            |
| facets     | Kind                                                                                                           | Value | Annotation |
|            | minInclusive                                                                                                   | 0     |            |
|            | maxInclusive                                                                                                   | 152.4 |            |
| annotation | documentation<br>Required when running in memory-only mode (i.e., when the root MetrixXML/@MemoryOnly = True). |       |            |

|  |                                                                                                                               |
|--|-------------------------------------------------------------------------------------------------------------------------------|
|  | The minimum cover face trim (front face and/or back face) required for this binding machine. Only read if CoverFeeder = True. |
|--|-------------------------------------------------------------------------------------------------------------------------------|

#### attribute **BindingMachineDefinition/@CoverMinJogTrim**

|            |                                                                                                                                                                                                                  |       |            |
|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------------|
| type       | <a href="#">LinearDimension</a> <a href="#">BinderJogTrimType</a>                                                                                                                                                |       |            |
| properties | use required                                                                                                                                                                                                     |       |            |
| facets     | Kind                                                                                                                                                                                                             | Value | Annotation |
|            | minInclusive                                                                                                                                                                                                     | 0     |            |
|            | maxInclusive                                                                                                                                                                                                     | 152.4 |            |
| annotation | documentation<br>Required when running in memory-only mode (i.e., when the root MetrixXML/@MemoryOnly = True).<br>The minimum cover jog trim required for this binding machine. Only read if CoverFeeder = True. |       |            |

#### attribute **BindingMachineDefinition/@CoverMinLap**

|            |                                                                                                                                                                                                                      |       |            |
|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------------|
| type       | <a href="#">LinearDimension</a> <a href="#">BinderLapType</a>                                                                                                                                                        |       |            |
| properties | use required                                                                                                                                                                                                         |       |            |
| facets     | Kind                                                                                                                                                                                                                 | Value | Annotation |
|            | minInclusive                                                                                                                                                                                                         | 0     |            |
|            | maxInclusive                                                                                                                                                                                                         | 101.6 |            |
| annotation | documentation<br>Required when running in memory-only mode (i.e., when the root MetrixXML/@MemoryOnly = True).<br>The minimum cover lap (or lip) required for this binding machine. Only read if CoverFeeder = True. |       |            |

#### attribute **BindingMachineDefinition/@CoverMinNonJogTrim**

|            |                                                                                                                                                                                                                      |       |            |
|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------------|
| type       | <a href="#">LinearDimension</a> <a href="#">BinderNonJogTrimType</a>                                                                                                                                                 |       |            |
| properties | use required                                                                                                                                                                                                         |       |            |
| facets     | Kind                                                                                                                                                                                                                 | Value | Annotation |
|            | minInclusive                                                                                                                                                                                                         | 0     |            |
|            | maxInclusive                                                                                                                                                                                                         | 152.4 |            |
| annotation | documentation<br>Required when running in memory-only mode (i.e., when the root MetrixXML/@MemoryOnly = True).<br>The minimum cover non-jog trim required for this binding machine. Only read if CoverFeeder = True. |       |            |

#### attribute **BindingMachineDefinition/@DefaultJogTrim**

|            |                                                                                                                                                                                 |       |            |
|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------------|
| type       | <a href="#">LinearDimension</a> <a href="#">BinderJogTrimType</a>                                                                                                               |       |            |
| properties | use required                                                                                                                                                                    |       |            |
| facets     | Kind                                                                                                                                                                            | Value | Annotation |
|            | minInclusive                                                                                                                                                                    | 0     |            |
|            | maxInclusive                                                                                                                                                                    | 152.4 |            |
| annotation | documentation<br>Required when running in memory-only mode (i.e., when the root MetrixXML/@MemoryOnly = True).<br>The default, or preferred, jog trim for this binding machine. |       |            |

#### attribute **BindingMachineDefinition/@DefaultNumberOfStitches**

|            |                                             |       |            |
|------------|---------------------------------------------|-------|------------|
| type       | restriction of <b>xs:nonNegativeInteger</b> |       |            |
| properties | default 2                                   |       |            |
| facets     | Kind                                        | Value | Annotation |
|            | minInclusive                                | 0     |            |

|            |                                                                                                                                                                                                       |
|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|            | maxInclusive 4                                                                                                                                                                                        |
| annotation | documentation<br>Required when running in memory-only mode (i.e., when the root MetrixXML/@MemoryOnly = True).<br>The default number of stitches for saddle-stitched products. An integer from 0 – 4. |

#### attribute **BindingMachineDefinition/@DefaultNUpOffset**

|            |                                                                                                                                                                                  |                     |            |
|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|------------|
| type       | <a href="#">LinearDimension BinderNupOffsetType</a>                                                                                                                              |                     |            |
| properties | use required                                                                                                                                                                     |                     |            |
| facets     | Kind<br>minInclusive<br>maxInclusive                                                                                                                                             | Value<br>0<br>152.4 | Annotation |
| annotation | documentation<br>Required when running in memory-only mode (i.e., when the root MetrixXML/@MemoryOnly = True).<br>The default (preferred) margin between 2-Up and 3-Up products. |                     |            |

#### attribute **BindingMachineDefinition/@DefaultSideScoreDistance**

|            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                    |            |
|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|------------|
| type       | <a href="#">LinearDimension SideScoreDistanceType</a>                                                                                                                                                                                                                                                                                                                                                                                                             |                    |            |
| properties | default 0                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                    |            |
| facets     | Kind<br>minInclusive<br>maxInclusive                                                                                                                                                                                                                                                                                                                                                                                                                              | Value<br>0<br>25.4 | Annotation |
| annotation | documentation<br>Required when running in memory-only mode (i.e., when the root MetrixXML/@MemoryOnly = True).<br>For perfect bound (side-by-side) products requiring two extra scores on the cover sides, one on the front and one on the back, for a total of 4 scores. The value indicates the distance from the spine scores to the side scores. Measurement in the valid range up to 25.4mm or 1". A value of 0 (zero) indicates no extra side spine scores. |                    |            |

#### attribute **BindingMachineDefinition/@DefaultStackCount**

|            |                                                                                                                                                                                                                         |                    |            |
|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|------------|
| type       | restriction of <b>xs:positiveInteger</b>                                                                                                                                                                                |                    |            |
| properties | default 20                                                                                                                                                                                                              |                    |            |
| facets     | Kind<br>minInclusive<br>maxInclusive                                                                                                                                                                                    | Value<br>1<br>1000 | Annotation |
| annotation | documentation<br>Required when running in memory-only mode (i.e., when the root MetrixXML/@MemoryOnly = True).<br>The default number of finished products to stack once binding is complete, to bundle up for delivery. |                    |            |

#### attribute **BindingMachineDefinition/@DefaultStackLayerCount**

|            |                                                                                                                                                                                                                                                                                            |                    |            |
|------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|------------|
| type       | restriction of <b>xs:positiveInteger</b>                                                                                                                                                                                                                                                   |                    |            |
| properties | default 1                                                                                                                                                                                                                                                                                  |                    |            |
| facets     | Kind<br>minInclusive<br>maxInclusive                                                                                                                                                                                                                                                       | Value<br>1<br>1000 | Annotation |
| annotation | documentation<br>Required when running in memory-only mode (i.e., when the root MetrixXML/@MemoryOnly = True).<br>The default number of finished products to stack in each layer. Layers are usually rotated by 180° to compensate for variations in thickness from the spine to the face. |                    |            |

attribute **BindingMachineDefinition/@DefaultStapleShape**

|            |                                                                                                                                                                                          |        |            |
|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|------------|
| type       | restriction of <b>xs:string</b>                                                                                                                                                          |        |            |
| properties | use required                                                                                                                                                                             |        |            |
| facets     | Kind                                                                                                                                                                                     | Value  | Annotation |
|            | enumeration                                                                                                                                                                              | Crown  |            |
|            | enumeration                                                                                                                                                                              | Butted |            |
|            | enumeration                                                                                                                                                                              | Eyelet |            |
| annotation | documentation<br>Required when running in memory-only mode (i.e., when the root MetrixXML/@MemoryOnly = True).<br>The default staple shape for saddle-stitched products. Default: Butted |        |            |

attribute **BindingMachineDefinition/@DefaultTextSpineTrim**

|            |                                                                                                                                                                                        |       |            |
|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------------|
| type       | <a href="#">LinearDimension</a> <a href="#">BinderSpineTrimType</a>                                                                                                                    |       |            |
| properties | use required                                                                                                                                                                           |       |            |
| facets     | Kind                                                                                                                                                                                   | Value | Annotation |
|            | minInclusive                                                                                                                                                                           | 0     |            |
|            | maxInclusive                                                                                                                                                                           | 152.4 |            |
| annotation | documentation<br>Required when running in memory-only mode (i.e., when the root MetrixXML/@MemoryOnly = True).<br>The default, or preferred, text spine trim for this binding machine. |       |            |

attribute **BindingMachineDefinition/@LapEdge**

|            |                                                                                                                                                  |        |            |
|------------|--------------------------------------------------------------------------------------------------------------------------------------------------|--------|------------|
| type       | <a href="#">BinderLapEdgeType</a>                                                                                                                |        |            |
| properties | use required                                                                                                                                     |        |            |
| facets     | Kind                                                                                                                                             | Value  | Annotation |
|            | enumeration                                                                                                                                      | Either |            |
|            | enumeration                                                                                                                                      | Front  |            |
|            | enumeration                                                                                                                                      | Back   |            |
|            | enumeration                                                                                                                                      | None   |            |
| annotation | documentation<br>Required when running in memory-only mode (i.e., when the root MetrixXML/@MemoryOnly = True).<br>The placement of the lap edge. |        |            |

attribute **BindingMachineDefinition/@MaxBindingNumberUp**

|            |                                                                                                                                                                                                             |       |            |
|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------------|
| type       | <a href="#">NumberUpType</a>                                                                                                                                                                                |       |            |
| properties | use required                                                                                                                                                                                                |       |            |
| facets     | Kind                                                                                                                                                                                                        | Value | Annotation |
|            | minInclusive                                                                                                                                                                                                | 1     |            |
|            | maxInclusive                                                                                                                                                                                                | 3     |            |
| annotation | documentation<br>If not supplied defaults to 1.<br>Required when running in memory-only mode (i.e., when the root MetrixXML/@MemoryOnly = True).<br>The maximum binding number up for this binding machine. |       |            |

attribute **BindingMachineDefinition/@MaxFaceTrim**

|            |                                                                    |  |  |
|------------|--------------------------------------------------------------------|--|--|
| type       | <a href="#">LinearDimension</a> <a href="#">BinderFaceTrimType</a> |  |  |
| properties | use required                                                       |  |  |

|            |                                                                                                                                                                                                        |                     |            |
|------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|------------|
| facets     | Kind<br>minInclusive<br>maxInclusive                                                                                                                                                                   | Value<br>0<br>152.4 | Annotation |
| annotation | documentation<br>Required when running in memory-only mode (i.e., when the root MetrixXML/@MemoryOnly = True).<br>The maximum face trim (font face and/or back face) allowed for this binding machine. |                     |            |

#### attribute **BindingMachineDefinition/@MaxJogTrim**

|            |                                                                                                                                                                          |                     |            |
|------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|------------|
| type       | <a href="#">LinearDimension</a> <a href="#">BinderJogTrimType</a>                                                                                                        |                     |            |
| properties | use required                                                                                                                                                             |                     |            |
| facets     | Kind<br>minInclusive<br>maxInclusive                                                                                                                                     | Value<br>0<br>152.4 | Annotation |
| annotation | documentation<br>Required when running in memory-only mode (i.e., when the root MetrixXML/@MemoryOnly = True).<br>The maximum jog trim allowed for this binding machine. |                     |            |

#### attribute **BindingMachineDefinition/@MaxLap**

|            |                                                                                                                                                                     |                     |            |
|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|------------|
| type       | <a href="#">LinearDimension</a> <a href="#">BinderLapType</a>                                                                                                       |                     |            |
| facets     | Kind<br>minInclusive<br>maxInclusive                                                                                                                                | Value<br>0<br>101.6 | Annotation |
| annotation | documentation<br>Required when running in memory-only mode (i.e., when the root MetrixXML/@MemoryOnly = True).<br>The maximum lap allowed for this binding machine. |                     |            |

#### attribute **BindingMachineDefinition/@MaxNonJogTrim**

|            |                                                                                                                                                                              |                     |            |
|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|------------|
| type       | <a href="#">LinearDimension</a> <a href="#">BinderJogTrimType</a>                                                                                                            |                     |            |
| properties | use required                                                                                                                                                                 |                     |            |
| facets     | Kind<br>minInclusive<br>maxInclusive                                                                                                                                         | Value<br>0<br>152.4 | Annotation |
| annotation | documentation<br>Required when running in memory-only mode (i.e., when the root MetrixXML/@MemoryOnly = True).<br>The maximum non-jog trim allowed for this binding machine. |                     |            |

#### attribute **BindingMachineDefinition/@MaxNUpOffset**

|            |                                                                                                                                                                              |                     |            |
|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|------------|
| type       | <a href="#">LinearDimension</a> <a href="#">BinderNupOffsetType</a>                                                                                                          |                     |            |
| properties | use required                                                                                                                                                                 |                     |            |
| facets     | Kind<br>minInclusive<br>maxInclusive                                                                                                                                         | Value<br>0<br>152.4 | Annotation |
| annotation | documentation<br>Required when running in memory-only mode (i.e., when the root MetrixXML/@MemoryOnly = True).<br>The maximum margin allowed between 2-Up and 3-Up products. |                     |            |

#### attribute **BindingMachineDefinition/@MaxTextSpineTrim**

|      |                                                                     |  |  |
|------|---------------------------------------------------------------------|--|--|
| type | <a href="#">LinearDimension</a> <a href="#">BinderSpineTrimType</a> |  |  |
|------|---------------------------------------------------------------------|--|--|

|            |                                                                                                                                                                                              |                                   |
|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|
| properties | use                                                                                                                                                                                          | required                          |
| facets     | Kind<br>minInclusive<br>maxInclusive                                                                                                                                                         | Value<br>0<br>152.4<br>Annotation |
| annotation | documentation<br>Required when running in memory-only mode (i.e., when the root MetrixXML/@MemoryOnly = True).<br>The minimum text spine trim (grind-off) required for this binding machine. |                                   |

#### attribute **BindingMachineDefinition/@MaxTrimmedHeight**

|            |                                                                                                                                                                             |                                    |
|------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|
| type       | <a href="#">LinearDimension</a> <a href="#">BinderTrimHeightType</a>                                                                                                        |                                    |
| properties | use                                                                                                                                                                         | required                           |
| facets     | Kind<br>minInclusive<br>maxInclusive                                                                                                                                        | Value<br>6.35<br>762<br>Annotation |
| annotation | documentation<br>Required when running in memory-only mode (i.e., when the root MetrixXML/@MemoryOnly = True).<br>The maximum trim height allowed for this binding machine. |                                    |

#### attribute **BindingMachineDefinition/@MaxTrimmedWidth**

|            |                                                                                                                                                                            |                                    |
|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|
| type       | <a href="#">LinearDimension</a> <a href="#">BinderTrimWidthType</a>                                                                                                        |                                    |
| properties | use                                                                                                                                                                        | required                           |
| facets     | Kind<br>minInclusive<br>maxInclusive                                                                                                                                       | Value<br>6.35<br>762<br>Annotation |
| annotation | documentation<br>Required when running in memory-only mode (i.e., when the root MetrixXML/@MemoryOnly = True).<br>The maximum trim width allowed for this binding machine. |                                    |

#### attribute **BindingMachineDefinition/@MinFaceTrim**

|            |                                                                                                                                                                                                          |                                   |
|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|
| type       | <a href="#">LinearDimension</a> <a href="#">BinderFaceTrimType</a>                                                                                                                                       |                                   |
| properties | use                                                                                                                                                                                                      | required                          |
| facets     | Kind<br>minInclusive<br>maxInclusive                                                                                                                                                                     | Value<br>0<br>152.4<br>Annotation |
| annotation | documentation<br>Required when running in memory-only mode (i.e., when the root MetrixXML/@MemoryOnly = True).<br>The minimum face trim (front face and/or back face) required for this binding machine. |                                   |

#### attribute **BindingMachineDefinition/@MinJogTrim**

|            |                                                                                                                                                                           |                                   |
|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|
| type       | <a href="#">LinearDimension</a> <a href="#">BinderJogTrimType</a>                                                                                                         |                                   |
| properties | use                                                                                                                                                                       | required                          |
| facets     | Kind<br>minInclusive<br>maxInclusive                                                                                                                                      | Value<br>0<br>152.4<br>Annotation |
| annotation | documentation<br>Required when running in memory-only mode (i.e., when the root MetrixXML/@MemoryOnly = True).<br>The minimum jog trim required for this binding machine. |                                   |

attribute **BindingMachineDefinition/@MinLap**

|            |                                                                                                                                                                               |       |            |
|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------------|
| type       | <a href="#">LinearDimension BinderLapType</a>                                                                                                                                 |       |            |
| properties | use required                                                                                                                                                                  |       |            |
| facets     | Kind                                                                                                                                                                          | Value | Annotation |
|            | minInclusive                                                                                                                                                                  | 0     |            |
|            | maxInclusive                                                                                                                                                                  | 101.6 |            |
| annotation | documentation<br>Required when running in memory-only mode (i.e., when the root MetrixXML/@MemoryOnly = True).<br>The minimum lap (or lip) required for this binding machine. |       |            |

attribute **BindingMachineDefinition/@MinNonJogTrim**

|            |                                                                                                                                                                               |       |            |
|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------------|
| type       | <a href="#">LinearDimension BinderJogTrimType</a>                                                                                                                             |       |            |
| properties | use required                                                                                                                                                                  |       |            |
| facets     | Kind                                                                                                                                                                          | Value | Annotation |
|            | minInclusive                                                                                                                                                                  | 0     |            |
|            | maxInclusive                                                                                                                                                                  | 152.4 |            |
| annotation | documentation<br>Required when running in memory-only mode (i.e., when the root MetrixXML/@MemoryOnly = True).<br>The minimum non-jog trim required for this binding machine. |       |            |

attribute **BindingMachineDefinition/@MinNUpOffset**

|            |                                                                                                                                                                               |       |            |
|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------------|
| type       | <a href="#">LinearDimension BinderNupOffsetType</a>                                                                                                                           |       |            |
| properties | use required                                                                                                                                                                  |       |            |
| facets     | Kind                                                                                                                                                                          | Value | Annotation |
|            | minInclusive                                                                                                                                                                  | 0     |            |
|            | maxInclusive                                                                                                                                                                  | 152.4 |            |
| annotation | documentation<br>Required when running in memory-only mode (i.e., when the root MetrixXML/@MemoryOnly = True).<br>The minimum margin required between 2-Up and 3-Up products. |       |            |

attribute **BindingMachineDefinition/@MinTextSpineTrim**

|            |                                                     |       |            |
|------------|-----------------------------------------------------|-------|------------|
| type       | <a href="#">LinearDimension BinderSpineTrimType</a> |       |            |
| properties | use required                                        |       |            |
| facets     | Kind                                                | Value | Annotation |
|            | minInclusive                                        | 0     |            |
|            | maxInclusive                                        | 152.4 |            |

attribute **BindingMachineDefinition/@MinTrimmedHeight**

|            |                                                                                                                                                                              |       |            |
|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------------|
| type       | <a href="#">LinearDimension BinderTrimHeightType</a>                                                                                                                         |       |            |
| properties | use required                                                                                                                                                                 |       |            |
| facets     | Kind                                                                                                                                                                         | Value | Annotation |
|            | minInclusive                                                                                                                                                                 | 6.35  |            |
|            | maxInclusive                                                                                                                                                                 | 762   |            |
| annotation | documentation<br>Required when running in memory-only mode (i.e., when the root MetrixXML/@MemoryOnly = True).<br>The minimum trim height required for this binding machine. |       |            |

attribute **BindingMachineDefinition/@MinTrimmedWidth**

|            |                                                                                                                                                                             |          |            |
|------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|------------|
| type       | <a href="#">LinearDimension</a> <a href="#">BinderTrimWidthType</a>                                                                                                         |          |            |
| properties | use                                                                                                                                                                         | required |            |
| facets     | Kind                                                                                                                                                                        | Value    | Annotation |
|            | minInclusive                                                                                                                                                                | 6.35     |            |
|            | maxInclusive                                                                                                                                                                | 762      |            |
| annotation | documentation<br>Required when running in memory-only mode (i.e., when the root MetrixXML/@MemoryOnly = True).<br>The minimum trim width required for this binding machine. |          |            |

attribute **BindingMachineDefinition/@SmallSigRule**

|            |                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |            |
|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|------------|
| type       | restriction of <b>xs:string</b>                                                                                                                                                                                                                                                                                                                                                                                                                         |          |            |
| properties | use                                                                                                                                                                                                                                                                                                                                                                                                                                                     | required |            |
| facets     | Kind                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Value    | Annotation |
|            | enumeration                                                                                                                                                                                                                                                                                                                                                                                                                                             | Outside  |            |
|            | enumeration                                                                                                                                                                                                                                                                                                                                                                                                                                             | Inside   |            |
|            | enumeration                                                                                                                                                                                                                                                                                                                                                                                                                                             | Back     |            |
|            | enumeration                                                                                                                                                                                                                                                                                                                                                                                                                                             | Front    |            |
| annotation | documentation<br>Required when running in memory-only mode (i.e., when the root MetrixXML/@MemoryOnly = True).<br>The placement of partial signatures (e.g. a 4-page among a book made of 16-page signatures) in the bound product.<br>OUTSIDE: Only valid when AssemblyMethod = Saddled<br>INSIDE: Only valid when AssemblyMethod = Saddled<br>BACK: Only valid when AssemblyMethod = SideBySide<br>FRONT: Only valid when AssemblyMethod = SideBySide |          |            |

attribute **BindingMachineDefinition/@TextFoldsInline**

|            |                                                                                                                                                                                       |          |  |
|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|--|
| type       | xs:boolean                                                                                                                                                                            |          |  |
| properties | use                                                                                                                                                                                   | required |  |
| annotation | documentation<br>Required when running in memory-only mode (i.e., when the root MetrixXML/@MemoryOnly = True).<br>Whether or not the binding machine is equipped with inline folding. |          |  |

element **BindingMachineDefinition/CollationMarksPrimaryMarkColor**

|            |                                                                                                                                                                                                                                                                                                                                                           |
|------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| type       | <a href="#">MarkColorType</a>                                                                                                                                                                                                                                                                                                                             |
| properties | content    complex                                                                                                                                                                                                                                                                                                                                        |
| children   | <a href="#">AllSeparationsMarkColorRef</a> <a href="#">SpotColorMarkColorRef</a> <a href="#">ProcessColorMarkColorRef</a>                                                                                                                                                                                                                                 |
| annotation | documentation<br>Required when running in memory-only mode (i.e., when the root MetrixXML/@MemoryOnly = True).<br>Type of color, color, and percentage of color for collation marks on non-nested components. Primary marks appear on the outermost component(s) of a perfect bound product. Saddle-stitched components all have Primary collation marks. |

element **BindingMachineDefinition/CollationMarksSecondaryMarkColor**

|            |                               |         |  |
|------------|-------------------------------|---------|--|
| type       | <a href="#">MarkColorType</a> |         |  |
| properties | content                       | complex |  |

|            |                                                                                                                                                                                                                                                                                   |
|------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| children   | <a href="#">AllSeparationsMarkColorRef</a> <a href="#">SpotColorMarkColorRef</a> <a href="#">ProcessColorMarkColorRef</a>                                                                                                                                                         |
| annotation | documentation<br>Required when running in memory-only mode (i.e., when the root MetrixXML/@MemoryOnly = True).<br>Type of color, color, and percentage of color for collation marks on nested components. Secondary marks appear on nested components of a perfect bound product. |

## complexType CutterAlignmentMarkGroupDefinition

| used by     | element <a href="#">CutterAlignmentMarkGroup</a> |                                                    |          |         |       |                                                                                                                                                                                                                     |
|-------------|--------------------------------------------------|----------------------------------------------------|----------|---------|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| attribute s | Name                                             | Type                                               | Use      | Default | Fixed | Annotation                                                                                                                                                                                                          |
|             | <a href="#">ID</a>                               | <a href="#">RefIDType</a>                          | required |         |       | documentation<br>An identifier for the element, unique within the scope of the MXML document. The ID attribute can be used as a reference to the element from elsewhere in the MXML document. Up to 250 characters. |
|             | <a href="#">CutterAlignmentType</a>              | derived by: xs:string                              | required |         |       | documentation<br>The type of Cutter Alignment Mark.                                                                                                                                                                 |
|             | <a href="#">CutterAlignmentSpotBlack</a>         | xs:boolean                                         | required |         |       | documentation<br>Uses a spot black ink for Cutter Alignment Marks rather than process black.                                                                                                                        |
|             | <a href="#">CutterAlignmentSpotWhite</a>         | xs:boolean                                         | required |         |       | documentation<br>Uses a spot white ink for Cutter Alignment Marks rather than no ink.                                                                                                                               |
|             | <a href="#">CutterAlignmentSpotUV</a>            | xs:boolean                                         |          | false   |       | documentation<br>Indicates that Inks used for Cutter Alignment Marks UV Inks.                                                                                                                                       |
|             | <a href="#">CutterAlignmentInnerSize</a>         | <a href="#">LinearDimensionType</a>                | required |         |       | documentation<br>Diameter of the inner mark.                                                                                                                                                                        |
|             | <a href="#">CutterAlignmentOuterSize</a>         | <a href="#">LinearDimensionType</a>                | required |         |       | documentation<br>Diameter of the outer mark.                                                                                                                                                                        |
|             | <a href="#">GapMin</a>                           | <a href="#">LinearDimension CAMGroupGap</a>        | required |         |       | documentation<br>The minimum distance between individual marks in a Cutter Alignment Mark Group.                                                                                                                    |
|             | <a href="#">GapMax</a>                           | <a href="#">LinearDimension CAMGroupGap</a>        | required |         |       | documentation<br>The maximum distance between individual marks in a Cutter Alignment Mark Group.                                                                                                                    |
|             | <a href="#">TrimOffset</a>                       | <a href="#">LinearDimension CAMGroupTrimOffset</a> | required |         |       | documentation<br>The offset amount for the mark relative to the trim of component instances.                                                                                                                        |
|             | <a href="#">Name</a>                             | <a href="#">TextType Max</a>                       |          |         |       | documentation<br>Required when running in memory-only mode (i.e., when the root MetrixXML/@MemoryOnly = True).<br>The name displayed in the Metrix user interface to identify this Cutter                           |

|  |                             |                       |                      |                                                                                                                  |
|--|-----------------------------|-----------------------|----------------------|------------------------------------------------------------------------------------------------------------------|
|  | <a href="#">Orientation</a> | derived by: xs:string | required             | Alignment Mark Group.<br>documentation<br>The position of the orientation mark in a Cutter Alignment Mark Group. |
|  | <a href="#">Target</a>      | derived by: xs:string | optional EachProduct | documentation<br>Defines whether to place marks relative to the sheet, individual products, or all products.     |

#### attribute **CutterAlignmentMarkGroupDefinition/@ID**

|            |                                                                                                                                                                                                                     |       |            |
|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------------|
| type       | <a href="#">RefIDType</a>                                                                                                                                                                                           |       |            |
| properties | use required                                                                                                                                                                                                        |       |            |
| facets     | Kind                                                                                                                                                                                                                | Value | Annotation |
|            | minLength                                                                                                                                                                                                           | 0     |            |
|            | maxLength                                                                                                                                                                                                           | 250   |            |
| annotation | documentation<br>An identifier for the element, unique within the scope of the MXML document. The ID attribute can be used as a reference to the element from elsewhere in the MXML document. Up to 250 characters. |       |            |

#### attribute **CutterAlignmentMarkGroupDefinition/@GapMin**

|            |                                                                                                  |       |            |
|------------|--------------------------------------------------------------------------------------------------|-------|------------|
| type       | <a href="#">LinearDimension CAMGroupGap</a>                                                      |       |            |
| properties | use required                                                                                     |       |            |
| facets     | Kind                                                                                             | Value | Annotation |
|            | minInclusive                                                                                     | 6     |            |
|            | maxInclusive                                                                                     | 1500  |            |
| annotation | documentation<br>The minimum distance between individual marks in a Cutter Alignment Mark Group. |       |            |

#### attribute **CutterAlignmentMarkGroupDefinition/@GapMax**

|            |                                                                                                  |          |            |
|------------|--------------------------------------------------------------------------------------------------|----------|------------|
| type       | <a href="#">LinearDimension CAMGroupGap</a>                                                      |          |            |
| properties | use                                                                                              | required |            |
| facets     | Kind                                                                                             | Value    | Annotation |
|            | minInclusive                                                                                     | 6        |            |
|            | maxInclusive                                                                                     | 1500     |            |
| annotation | documentation<br>The maximum distance between individual marks in a Cutter Alignment Mark Group. |          |            |

#### attribute **CutterAlignmentMarkGroupDefinition/@TrimOffset**

|            |                                                                                              |       |            |
|------------|----------------------------------------------------------------------------------------------|-------|------------|
| type       | <a href="#">LinearDimension CAMGroupTrimOffset</a>                                           |       |            |
| properties | use required                                                                                 |       |            |
| facets     | Kind                                                                                         | Value | Annotation |
|            | minInclusive                                                                                 | 0     |            |
|            | maxInclusive                                                                                 | 1500  |            |
| annotation | documentation<br>The offset amount for the mark relative to the trim of component instances. |       |            |

### attribute **CutterAlignmentMarkGroupDefinition/@Name**

|            |                                                                                                                                                                                                                 |       |            |
|------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------------|
| type       | <a href="#">TextType_Max</a>                                                                                                                                                                                    |       |            |
| facets     | Kind                                                                                                                                                                                                            | Value | Annotation |
|            | minLength                                                                                                                                                                                                       | 0     |            |
|            | maxLength                                                                                                                                                                                                       | 250   |            |
| annotation | documentation<br>Required when running in memory-only mode (i.e., when the root MetrixXML/@MemoryOnly = True).<br>The name displayed in the Metrix user interface to identify this Cutter Alignment Mark Group. |       |            |

### attribute **CutterAlignmentMarkGroupDefinition/@Orientation**

|            |                                                                                         |             |            |
|------------|-----------------------------------------------------------------------------------------|-------------|------------|
| type       | restriction of <b>xs:string</b>                                                         |             |            |
| properties | use                                                                                     | required    |            |
| facets     | Kind                                                                                    | Value       | Annotation |
|            | enumeration                                                                             | BottomLeft  |            |
|            | enumeration                                                                             | BottomRight |            |
|            | enumeration                                                                             | None        |            |
| annotation | documentation<br>The position of the orientation mark in a Cutter Alignment Mark Group. |             |            |

### attribute **CutterAlignmentMarkGroupDefinition/@Target**

|            |                                                                                                              |             |            |
|------------|--------------------------------------------------------------------------------------------------------------|-------------|------------|
| type       | restriction of <b>xs:string</b>                                                                              |             |            |
| properties | use                                                                                                          | optional    |            |
|            | default                                                                                                      | EachProduct |            |
| facets     | Kind                                                                                                         | Value       | Annotation |
|            | enumeration                                                                                                  | EachProduct |            |
|            | enumeration                                                                                                  | AllProducts |            |
|            | enumeration                                                                                                  | Sheet       |            |
| annotation | documentation<br>Defines whether to place marks relative to the sheet, individual products, or all products. |             |            |

### complexType **CuttingMachineDefinition**

|            |                                    |                                |          |         |       |                                                                                                                                                                                                                     |
|------------|------------------------------------|--------------------------------|----------|---------|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| children   | <a href="#">ProductionRatePool</a> |                                |          |         |       |                                                                                                                                                                                                                     |
| used by    | element                            | <a href="#">CuttingMachine</a> |          |         |       |                                                                                                                                                                                                                     |
| attributes | Name                               | Type                           | Use      | Default | Fixed | Annotation                                                                                                                                                                                                          |
|            | <a href="#">CUD</a>                | <a href="#">CUDType</a>        |          |         |       |                                                                                                                                                                                                                     |
|            | <a href="#">ID</a>                 | <a href="#">RefIDType</a>      | required |         |       | documentation<br>An identifier for the element, unique within the scope of the MXML document. The ID attribute can be used as a reference to the element from elsewhere in the MXML document. Up to 250 characters. |
|            | <a href="#">MIS_ID</a>             | <a href="#">TextType_Max</a>   |          |         |       | documentation<br>One of DeviceID or MIS_ID is required.<br>A globally unique identifier (GUID) for the product that identifies the product to the originating MIS system. If not                                    |

|                               |                                                  |  |          |                                                                                                                                                                                                                                                                                                                                           |
|-------------------------------|--------------------------------------------------|--|----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                               |                                                  |  |          | supplied, defaults to an empty string. If supplied, will not be editable within Metrix. Up to 250 characters.<br>documentation<br>Required when running in memory-only mode (i.e., when the root MetrixXML/@MemoryOnly = True).<br>The name displayed in the Metrix user interface to identify this plant resource. Up to 250 characters. |
| <a href="#">Name</a>          | <a href="#">TextType Max</a>                     |  | required |                                                                                                                                                                                                                                                                                                                                           |
| <a href="#">Manufacturer</a>  | <a href="#">TextType Max</a>                     |  |          | documentation<br>Optional, and only read when running in memory-only mode (i.e., when the root MetrixXML/@MemoryOnly = True).<br>Optional field used in some exported JDF.                                                                                                                                                                |
| <a href="#">ModelName</a>     | <a href="#">TextType Max</a>                     |  |          | documentation<br>Optional, and only read when running in memory-only mode (i.e., when the root MetrixXML/@MemoryOnly = True).<br>Optional field used in some exported JDF.                                                                                                                                                                |
| <a href="#">ModelNumber</a>   | <a href="#">TextType Max</a>                     |  |          | documentation<br>Optional, and only read when running in memory-only mode (i.e., when the root MetrixXML/@MemoryOnly = True).<br>Optional field used in some exported JDF.                                                                                                                                                                |
| <a href="#">SerialNumber</a>  | <a href="#">TextType Max</a>                     |  |          | documentation<br>Optional, and only read when running in memory-only mode (i.e., when the root MetrixXML/@MemoryOnly = True).<br>Optional field used in some exported JDF.                                                                                                                                                                |
| <a href="#">DeviceID</a>      | <a href="#">TextType Max</a>                     |  |          | documentation<br>One of DeviceID or MIS_ID is required                                                                                                                                                                                                                                                                                    |
| <a href="#">HourlyRate</a>    | <b>xs:float</b>                                  |  | 0        | documentation<br>The cost per hour to run the machine.                                                                                                                                                                                                                                                                                    |
| <a href="#">MaxLiftHeight</a> | <a href="#">LinearDimension CutterLiftHeight</a> |  | required | documentation<br>The maximum height that can be lifted by the cutting machine.                                                                                                                                                                                                                                                            |
| <a href="#">MaxLiftWeight</a> | <a href="#">CutterLiftWeightType</a>             |  | required | documentation<br>The maximum weight that can be lifted by the cutting machine.                                                                                                                                                                                                                                                            |
| <a href="#">Min_Cuts</a>      | <b>xs:boolean</b>                                |  | false    | documentation                                                                                                                                                                                                                                                                                                                             |

|  |  |                                                                                                                                              |
|--|--|----------------------------------------------------------------------------------------------------------------------------------------------|
|  |  | Optional. When True, Metrix calculates the least number of cuts in a project so multiple components can be stacked and cut at the same time. |
|--|--|----------------------------------------------------------------------------------------------------------------------------------------------|

#### attribute **CuttingMachineDefinition/@DeviceID**

|            |                                                        |       |            |
|------------|--------------------------------------------------------|-------|------------|
| type       | <a href="#">TextType</a> <b>Max</b>                    |       |            |
| facets     | Kind                                                   | Value | Annotation |
|            | minLength                                              | 0     |            |
|            | maxLength                                              | 250   |            |
| annotation | documentation<br>One of DeviceID or MIS_ID is required |       |            |

#### attribute **CuttingMachineDefinition/@HourlyRate**

|            |                                                        |   |  |
|------------|--------------------------------------------------------|---|--|
| type       | <b>xs:float</b>                                        |   |  |
| properties | default                                                | 0 |  |
| annotation | documentation<br>The cost per hour to run the machine. |   |  |

#### attribute **CuttingMachineDefinition/@MaxLiftHeight**

|            |                                                                                |          |            |
|------------|--------------------------------------------------------------------------------|----------|------------|
| type       | <a href="#">LinearDimension</a> <b>CutterLiftHeight</b>                        |          |            |
| properties | use                                                                            | required |            |
| facets     | Kind                                                                           | Value    | Annotation |
|            | minInclusive                                                                   | 10       |            |
|            | maxInclusive                                                                   | 1000     |            |
| annotation | documentation<br>The maximum height that can be lifted by the cutting machine. |          |            |

#### attribute **CuttingMachineDefinition/@MaxLiftWeight**

|            |                                                                                |          |            |
|------------|--------------------------------------------------------------------------------|----------|------------|
| type       | <a href="#">CutterLiftWeightType</a>                                           |          |            |
| properties | use                                                                            | required |            |
| facets     | Kind                                                                           | Value    | Annotation |
|            | minInclusive                                                                   | 0.1      |            |
|            | maxInclusive                                                                   | 1000     |            |
| annotation | documentation<br>The maximum weight that can be lifted by the cutting machine. |          |            |

#### attribute **CuttingMachineDefinition/@Min\_Cuts**

|            |                                                                                                                                                               |       |  |
|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|--|
| type       | <b>xs:boolean</b>                                                                                                                                             |       |  |
| properties | default                                                                                                                                                       | false |  |
| annotation | documentation<br>Optional. When True, Metrix calculates the least number of cuts in a project so multiple components can be stacked and cut at the same time. |       |  |

# complexType DieCutterToolDefinition

|            |                                       |                               |          |         |       |                                                                                                                                                                                                                                                                                                |
|------------|---------------------------------------|-------------------------------|----------|---------|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| children   | <a href="#">DieCutterToolItemPool</a> |                               |          |         |       |                                                                                                                                                                                                                                                                                                |
| used by    | element                               | <a href="#">DieCutterTool</a> |          |         |       |                                                                                                                                                                                                                                                                                                |
| attributes | Name                                  | Type                          | Use      | Default | Fixed | Annotation                                                                                                                                                                                                                                                                                     |
|            | <a href="#">CUD</a>                   | <a href="#">CUDType</a>       |          |         |       |                                                                                                                                                                                                                                                                                                |
|            | <a href="#">ID</a>                    | <a href="#">RefIDType</a>     | required |         |       | documentation<br>An identifier for the element, unique within the scope of the MXML document. The ID attribute can be used as a reference to the element from elsewhere in the MXML document. Up to 250 characters.                                                                            |
|            | <a href="#">MIS_ID</a>                | <a href="#">TextType Max</a>  |          |         |       | documentation<br>One of DeviceID or MIS_ID is required.<br>A globally unique identifier (GUID) for the product that identifies the product to the originating MIS system. If not supplied, defaults to an empty string. If supplied, will not be editable within Metrix. Up to 250 characters. |
|            | <a href="#">Name</a>                  | <a href="#">TextType Max</a>  | required |         |       | documentation<br>Required when running in memory-only mode (i.e., when the root MetrixXML/@MemoryOnly = True).<br>The name displayed in the Metrix user interface to identify this plant resource. Up to 250 characters.                                                                       |
|            | <a href="#">Manufacturer</a>          | <a href="#">TextType Max</a>  |          |         |       | documentation<br>Optional, and only read when running in memory-only mode (i.e., when the root MetrixXML/@MemoryOnly = True).<br>Optional field used in some exported JDF.                                                                                                                     |
|            | <a href="#">ModelName</a>             | <a href="#">TextType Max</a>  |          |         |       | documentation<br>Optional, and only read when running in memory-only mode (i.e., when the root MetrixXML/@MemoryOnly = True).<br>Optional field used in some exported JDF.                                                                                                                     |
|            | <a href="#">ModelNumber</a>           | <a href="#">TextType Max</a>  |          |         |       | documentation<br>Optional, and only read when running in memory-only mode (i.e., when the root MetrixXML/@MemoryOnly = True).<br>Optional field used in                                                                                                                                        |

|                                    |                                                    |          |            |                                                                                                                                                                                                                                                                                                                                                                                                             |
|------------------------------------|----------------------------------------------------|----------|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <a href="#">SerialNumber</a>       | <a href="#">TextType</a> Max                       |          |            | some exported JDF.<br>documentation<br>Optional, and only read when running in memory-only mode (i.e., when the root MetrixXML/@MemoryOnly = True).<br>Optional field used in some exported JDF.<br>documentation<br>One of DeviceID or MIS_ID is required.<br>Used to identify devices when Metrix imports an MXML or JDF file. Up to 250 characters.<br>documentation<br>Anchor for the die-cutting tool. |
| <a href="#">DeviceID</a>           | <a href="#">TextType</a> Max                       |          |            | documentation<br>One of DeviceID or MIS_ID is required.<br>Used to identify devices when Metrix imports an MXML or JDF file. Up to 250 characters.<br>documentation<br>Anchor for the die-cutting tool.                                                                                                                                                                                                     |
| <a href="#">Anchor</a>             | <a href="#">AnchorPointType</a>                    |          | Bottomleft | documentation<br>Anchor for the die-cutting tool.                                                                                                                                                                                                                                                                                                                                                           |
| <a href="#">AnchorOffsetX</a>      | <a href="#">LinearDimensionType</a>                |          | 0          | documentation<br>Horizontal offset value for the die-cutting tool relative to the lower-left corner of the sheet.                                                                                                                                                                                                                                                                                           |
| <a href="#">AnchorOffsetY</a>      | <a href="#">LinearDimensionType</a>                |          | 0          | documentation<br>Vertical offset value for the die-cutting tool relative to the lower-left corner of the sheet.                                                                                                                                                                                                                                                                                             |
| <a href="#">Grain</a>              | <a href="#">ProductGrainType</a>                   | required |            | documentation<br>Grain direction for the die-cutting tool.                                                                                                                                                                                                                                                                                                                                                  |
| <a href="#">MinSheetHeight</a>     | derived by:<br><a href="#">LinearDimensionType</a> | required |            | documentation<br>Required when running in memory-only mode (i.e., when the root MetrixXML/@MemoryOnly = True).<br>Minimum sheet height that will accommodate the die-cutting tool including horizontal and vertical offsets.                                                                                                                                                                                |
| <a href="#">MinSheetWidth</a>      | derived by:<br><a href="#">LinearDimensionType</a> | required |            | documentation<br>Required when running in memory-only mode (i.e., when the root MetrixXML/@MemoryOnly = True).<br>Minimum sheet width that will accommodate the die-cutting tool including horizontal and vertical offsets.                                                                                                                                                                                 |
| <a href="#">MultiUpDieFileName</a> | <a href="#">TextType</a> Max                       |          |            | documentation<br>The name of the multi-up die file.                                                                                                                                                                                                                                                                                                                                                         |
| <a href="#">Type</a>               | derived by: xs:string                              |          | Flat       | documentation<br>The type of die-cutting tool.                                                                                                                                                                                                                                                                                                                                                              |

attribute **DieCutterToolDefinition/@DeviceID**

|      |                              |
|------|------------------------------|
| type | <a href="#">TextType</a> Max |
|------|------------------------------|

|            |                                                                                                                                                    |                   |            |
|------------|----------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|------------|
| facets     | Kind<br>minLength<br>maxLength                                                                                                                     | Value<br>0<br>250 | Annotation |
| annotation | documentation<br>One of DeviceID or MIS_ID is required.<br>Used to identify devices when Metrix imports an MXML or JDF file. Up to 250 characters. |                   |            |

#### attribute **DieCutterToolDefinition/@Anchor**

|            |                                                                                                                                             |                                                                                                       |            |
|------------|---------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|------------|
| type       | <a href="#">AnchorPointType</a>                                                                                                             |                                                                                                       |            |
| properties | default                                                                                                                                     | Bottomleft                                                                                            |            |
| facets     | Kind<br>enumeration<br>enumeration<br>enumeration<br>enumeration<br>enumeration<br>enumeration<br>enumeration<br>enumeration<br>enumeration | Value<br>Center<br>Top<br>TopRight<br>Right<br>BottomRight<br>Bottom<br>Bottomleft<br>Left<br>TopLeft | Annotation |
| annotation | documentation<br>Anchor for the die-cutting tool.                                                                                           |                                                                                                       |            |

#### attribute **DieCutterToolDefinition/@AnchorOffsetX**

|            |                                                                                                                   |
|------------|-------------------------------------------------------------------------------------------------------------------|
| type       | <a href="#">LinearDimensionType</a>                                                                               |
| properties | default 0                                                                                                         |
| annotation | documentation<br>Horizontal offset value for the die-cutting tool relative to the lower-left corner of the sheet. |

#### attribute **DieCutterToolDefinition/@AnchorOffsetY**

|            |                                                                                                                 |
|------------|-----------------------------------------------------------------------------------------------------------------|
| type       | <a href="#">LinearDimensionType</a>                                                                             |
| properties | default 0                                                                                                       |
| annotation | documentation<br>Vertical offset value for the die-cutting tool relative to the lower-left corner of the sheet. |

#### attribute **DieCutterToolDefinition/@Grain**

|            |                                                                  |                                                   |            |
|------------|------------------------------------------------------------------|---------------------------------------------------|------------|
| type       | <a href="#">ProductGrainType</a>                                 |                                                   |            |
| properties | use                                                              | required                                          |            |
| facets     | Kind<br>enumeration<br>enumeration<br>enumeration<br>enumeration | Value<br>Horizontal<br>Vertical<br>Either<br>Same | Annotation |
| annotation | documentation<br>Grain direction for the die-cutting tool.       |                                                   |            |

### attribute **DieCutterToolDefinition/@MinSheetHeight**

|              |                                                                                                                                                                                                                                             |            |       |            |              |   |  |
|--------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|-------|------------|--------------|---|--|
| type         | restriction of <a href="#">LinearDimensionType</a>                                                                                                                                                                                          |            |       |            |              |   |  |
| properties   | use required                                                                                                                                                                                                                                |            |       |            |              |   |  |
| facets       | <table><tr><td>Kind</td><td>Value</td><td>Annotation</td></tr><tr><td>minInclusive</td><td>3</td><td></td></tr></table>                                                                                                                     | Kind       | Value | Annotation | minInclusive | 3 |  |
| Kind         | Value                                                                                                                                                                                                                                       | Annotation |       |            |              |   |  |
| minInclusive | 3                                                                                                                                                                                                                                           |            |       |            |              |   |  |
| annotation   | <p>documentation</p> <p>Required when running in memory-only mode (i.e., when the root MetrixXML/@MemoryOnly = True).</p> <p>Minimum sheet height that will accommodate the die-cutting tool including horizontal and vertical offsets.</p> |            |       |            |              |   |  |

### attribute **DieCutterToolDefinition/@MinSheetWidth**

|              |                                                                                                                                                                                                                                         |            |       |            |              |   |  |
|--------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|-------|------------|--------------|---|--|
| type         | restriction of <a href="#">LinearDimensionType</a>                                                                                                                                                                                      |            |       |            |              |   |  |
| properties   | use required                                                                                                                                                                                                                            |            |       |            |              |   |  |
| facets       | <table><tr><td>Kind</td><td>Value</td><td>Annotation</td></tr><tr><td>minInclusive</td><td>3</td><td></td></tr></table>                                                                                                                 | Kind       | Value | Annotation | minInclusive | 3 |  |
| Kind         | Value                                                                                                                                                                                                                                   | Annotation |       |            |              |   |  |
| minInclusive | 3                                                                                                                                                                                                                                       |            |       |            |              |   |  |
| annotation   | <p>documentation</p> <p>Required when running in memory-only mode (i.e., when the root MetrixXML/@MemoryOnly = True).<br/>Minimum sheet width that will accommodate the die-cutting tool including horizontal and vertical offsets.</p> |            |       |            |              |   |  |

### attribute **DieCutterToolDefinition/@MultiUpDieFileName**

|            |                                                     |       |            |
|------------|-----------------------------------------------------|-------|------------|
| type       | <a href="#">TextType</a> Max                        |       |            |
| facets     | Kind                                                | Value | Annotation |
|            | minLength                                           | 0     |            |
|            | maxLength                                           | 250   |            |
| annotation | documentation<br>The name of the multi-up die file. |       |            |

### attribute **DieCutterToolDefinition/@Type**

|            |                                                |                 |            |
|------------|------------------------------------------------|-----------------|------------|
| type       | restriction of <b>xs:string</b>                |                 |            |
| properties | default                                        | Flat            |            |
| facets     | Kind                                           | Value           | Annotation |
|            | enumeration                                    | Flat            |            |
|            | enumeration                                    | Rotary          |            |
|            | enumeration                                    | Rotary Gearless |            |
|            | enumeration                                    | Rotary + Flat   |            |
|            | enumeration                                    | N/A             |            |
| annotation | documentation<br>The type of die-cutting tool. |                 |            |

### complexType **DigitalCuttingMachineDefinition**

|            |                                               |                           |          |         |       |                                                                                                                                 |
|------------|-----------------------------------------------|---------------------------|----------|---------|-------|---------------------------------------------------------------------------------------------------------------------------------|
| children   | <a href="#">DigitalCuttingTool</a>            |                           |          |         |       |                                                                                                                                 |
| used by    | element <a href="#">DigitalCuttingMachine</a> |                           |          |         |       |                                                                                                                                 |
| attributes | Name                                          | Type                      | Use      | Default | Fixed | Annotation                                                                                                                      |
|            | <a href="#">CUD</a>                           | <a href="#">CUDType</a>   |          |         |       |                                                                                                                                 |
|            | <a href="#">ID</a>                            | <a href="#">RefIDType</a> | required |         |       | documentation<br>An identifier for the element, unique within the scope of the MXML document. The ID attribute can be used as a |

|  |                                      |                              |          |                                                                                                                                                                                                                                                                                                                                                                                       |
|--|--------------------------------------|------------------------------|----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | <a href="#">MIS_ID</a>               | <a href="#">TextType Max</a> |          | reference to the element from elsewhere in the MXML document. Up to 250 characters.<br>documentation<br>One of DeviceID or MIS_ID is required.<br>A globally unique identifier (GUID) for the product that identifies the product to the originating MIS system. If not supplied, defaults to an empty string. If supplied, will not be editable within Metrix. Up to 250 characters. |
|  | <a href="#">Name</a>                 | <a href="#">TextType Max</a> | required | documentation<br>Required when running in memory-only mode (i.e., when the root MetrixXML/@MemoryOnly = True).<br>The name displayed in the Metrix user interface to identify this plant resource. Up to 250 characters.                                                                                                                                                              |
|  | <a href="#">DeviceID</a>             | <a href="#">TextType Max</a> |          | documentation<br>One of DeviceID or MIS_ID is required                                                                                                                                                                                                                                                                                                                                |
|  | <a href="#">Description</a>          | <a href="#">TextType Max</a> |          | documentation<br>User-definable description of the digital cutting machine. Optional, and only read when running in memory-only mode (i.e., when the root MetrixXML/@MemoryOnly = True).                                                                                                                                                                                              |
|  | <a href="#">HourlyRate</a>           | <b>xs:float</b>              | 0        | documentation<br>Hourly rate for the digital cutting machine. Used to calculate costs.                                                                                                                                                                                                                                                                                                |
|  | <a href="#">Manufacturer</a>         | <a href="#">TextType Max</a> |          | documentation<br>Optional, and only read when running in memory-only mode (i.e., when the root MetrixXML/@MemoryOnly = True).<br>Optional field used in some exported JDF.                                                                                                                                                                                                            |
|  | <a href="#">MakeReadyPerPosition</a> | <b>xs:float</b>              | 0        | documentation<br>Required when running in memory-only mode (i.e., when the root MetrixXML/@MemoryOnly = True).<br>The hours (or fractions of hours) required to complete make-ready for each position of the digital cutting. Used to calculate the layout cost and time to produce.                                                                                                  |

|  |                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|--|---------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | <a href="#">MakeReadyPerSheet</a> <b>xs:float</b> 0                       | <p>documentation<br/>Required when running in memory-only mode (i.e., when the root MetrixXML/@MemoryOnly = True).<br/>The hours (or fractions of hours) required to complete make-ready for each sheet to be cut. Used to calculate the layout cost and time to produce.</p> <p>documentation<br/>The minimum height of a sheet the digital cutting machine can accommodate.</p> <p>documentation<br/>The maximum height of a sheet the digital cutting machine can accommodate.</p> <p>documentation<br/>The minimum width of a sheet the digital cutting machine can accommodate.</p> <p>documentation<br/>The maximum width of a sheet the digital cutting machine can accommodate.</p> <p>documentation<br/>The minimum thickness of a sheet the digital cutting machine can accommodate.</p> <p>documentation<br/>The maximum thickness of a sheet the digital cutting machine can accommodate.</p> <p>documentation<br/>The speed (linear units per hour) of the digital cutting machine. Used for calculating costs.</p> |
|  | <a href="#">MinHeight</a> <a href="#">LinearDimensionType</a> required    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|  | <a href="#">MaxHeight</a> <a href="#">LinearDimensionType</a> required    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|  | <a href="#">MinWidth</a> <a href="#">LinearDimensionType</a> required     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|  | <a href="#">MaxWidth</a> <a href="#">LinearDimensionType</a> required     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|  | <a href="#">MinThickness</a> <a href="#">LinearDimensionType</a> required |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|  | <a href="#">MaxThickness</a> <a href="#">LinearDimensionType</a> required |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|  | <a href="#">Speed</a> <a href="#">LinearDimensionType</a> required        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |

attribute **DigitalCuttingMachineDefinition/@DeviceID**

|            |                                                                |       |            |
|------------|----------------------------------------------------------------|-------|------------|
| type       | <a href="#">TextType Max</a>                                   |       |            |
| facets     | Kind                                                           | Value | Annotation |
|            | minLength                                                      | 0     |            |
|            | maxLength                                                      | 250   |            |
| annotation | <p>documentation<br/>One of DeviceID or MIS_ID is required</p> |       |            |

attribute **DigitalCuttingMachineDefinition/@Description**

|        |                              |       |            |
|--------|------------------------------|-------|------------|
| type   | <a href="#">TextType Max</a> |       |            |
| facets | Kind                         | Value | Annotation |
|        | minLength                    | 0     |            |

|            |                                                                                                                                                                                          |
|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|            | maxLength 250                                                                                                                                                                            |
| annotation | documentation<br>User-definable description of the digital cutting machine. Optional, and only read when running in memory-only mode (i.e., when the root MetrixXML/@MemoryOnly = True). |

#### attribute **DigitalCuttingMachineDefinition/@HourlyRate**

|            |                                                                                        |
|------------|----------------------------------------------------------------------------------------|
| type       | <b>xs:float</b>                                                                        |
| properties | default 0                                                                              |
| annotation | documentation<br>Hourly rate for the digital cutting machine. Used to calculate costs. |

#### attribute **DigitalCuttingMachineDefinition/@Manufacturer**

|            |                                                                                                                                                                            |       |            |
|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------------|
| type       | <a href="#">TextType Max</a>                                                                                                                                               |       |            |
| facets     | Kind                                                                                                                                                                       | Value | Annotation |
|            | minLength                                                                                                                                                                  | 0     |            |
|            | maxLength                                                                                                                                                                  | 250   |            |
| annotation | documentation<br>Optional, and only read when running in memory-only mode (i.e., when the root MetrixXML/@MemoryOnly = True).<br>Optional field used in some exported JDF. |       |            |

#### attribute **DigitalCuttingMachineDefinition/@MakeReadyPerPosition**

|            |                                                                                                                                                                                                                                                                                      |
|------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| type       | <b>xs:float</b>                                                                                                                                                                                                                                                                      |
| properties | default 0                                                                                                                                                                                                                                                                            |
| annotation | documentation<br>Required when running in memory-only mode (i.e., when the root MetrixXML/@MemoryOnly = True).<br>The hours (or fractions of hours) required to complete make-ready for each position of the digital cutting. Used to calculate the layout cost and time to produce. |

#### attribute **DigitalCuttingMachineDefinition/@MakeReadyPerSheet**

|            |                                                                                                                                                                                                                                                                      |
|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| type       | <b>xs:float</b>                                                                                                                                                                                                                                                      |
| properties | default 0                                                                                                                                                                                                                                                            |
| annotation | documentation<br>Required when running in memory-only mode (i.e., when the root MetrixXML/@MemoryOnly = True).<br>The hours (or fractions of hours) required to complete make-ready for each sheet to be cut. Used to calculate the layout cost and time to produce. |

#### attribute **DigitalCuttingMachineDefinition/@MinHeight**

|            |                                                                                             |
|------------|---------------------------------------------------------------------------------------------|
| type       | <a href="#">LinearDimensionType</a>                                                         |
| properties | use required                                                                                |
| annotation | documentation<br>The minimum height of a sheet the digital cutting machine can accommodate. |

#### attribute **DigitalCuttingMachineDefinition/@MaxHeight**

|            |                                     |
|------------|-------------------------------------|
| type       | <a href="#">LinearDimensionType</a> |
| properties | use required                        |

|            |                                                                                             |
|------------|---------------------------------------------------------------------------------------------|
| annotation | documentation<br>The maximum height of a sheet the digital cutting machine can accommodate. |
|------------|---------------------------------------------------------------------------------------------|

attribute **DigitalCuttingMachineDefinition/@MinWidth**

|            |                                                                                            |
|------------|--------------------------------------------------------------------------------------------|
| type       | <a href="#">LinearDimensionType</a>                                                        |
| properties | use    required                                                                            |
| annotation | documentation<br>The minimum width of a sheet the digital cutting machine can accommodate. |

attribute **DigitalCuttingMachineDefinition/@MaxWidth**

|            |                                                                                           |
|------------|-------------------------------------------------------------------------------------------|
| type       | <a href="#">LinearDimensionType</a>                                                       |
| properties | use    required                                                                           |
| annotation | documentation<br>The maxmum width of a sheet the digital cutting machine can accommodate. |

attribute **DigitalCuttingMachineDefinition/@MinThickness**

|            |                                                                                                |
|------------|------------------------------------------------------------------------------------------------|
| type       | <a href="#">LinearDimensionType</a>                                                            |
| properties | use    required                                                                                |
| annotation | documentation<br>The minimum thickness of a sheet the digital cutting machine can accommodate. |

attribute **DigitalCuttingMachineDefinition/@MaxThickness**

|            |                                                                                                |
|------------|------------------------------------------------------------------------------------------------|
| type       | <a href="#">LinearDimensionType</a>                                                            |
| properties | use    required                                                                                |
| annotation | documentation<br>The maximum thickness of a sheet the digital cutting machine can accommodate. |

attribute **DigitalCuttingMachineDefinition/@Speed**

|            |                                                                                                                |
|------------|----------------------------------------------------------------------------------------------------------------|
| type       | <a href="#">LinearDimensionType</a>                                                                            |
| properties | use    required                                                                                                |
| annotation | documentation<br>The speed (linear units per hour) of the digital cutting machine. Used for calculating costs. |

complexType **FoldingSchemeDefinition**

|            |                                       |                                   |                 |         |       |                                                                                                                                               |
|------------|---------------------------------------|-----------------------------------|-----------------|---------|-------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| children   | <a href="#">Fold</a>                  |                                   |                 |         |       |                                                                                                                                               |
| used by    | element <a href="#">FoldingScheme</a> |                                   |                 |         |       |                                                                                                                                               |
| attributes | Name<br><a href="#">ID</a>            | Type<br><a href="#">RefIDType</a> | Use<br>required | Default | Fixed | Annotation<br>documentation<br>An identifier for the element, unique within the scope of the MXML document. The ID attribute can be used as a |

|  |                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|--|---------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  |                                       | <p>reference to the element from elsewhere in the MXML document. Up to 250 characters.</p> <p>documentation</p> <p>The name of the Fold in the Metrix database to be used for the fold. One of either the JDFFoldCatalog attribute or the Name attribute is required. If both are supplied, the Name is used.</p>                                                                                                                                                                                                                                                                                                                                                                 |
|  | <p><a href="#">Name</a></p>           | <p><b>xs:string</b></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|  | <p><a href="#">JDFFoldCatalog</a></p> | <p><b>xs:string</b></p> <p>documentation</p> <p>The JDF fold catalog identifier describing the type of fold. One of either the JDFFoldCatalog attribute or the Name attribute is required. If both are supplied, the Name is used. However, if a Fold is not found in the Metrix database with a name matching the Name attribute, Metrix attempts to use the JDFFoldCatalog attribute in the way it has for versions prior to 1.0.4. When Metrix 2011.0 and later exports a custom fold, it writes the Name attribute as well as the JDFFoldCatalog attribute as "F" followed by the relevant page count (e.g., "F16" for a 16-page fold). When importing MXML and finding a</p> |

|  |                                                                                                                                                                                                                                                                                                                                                                                                                                                        |            |          |       |
|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|----------|-------|
|  | <p>FoldingScheme element without a Name attribute (or not being able to find a Fold by that name), Metrix reads the JDFFoldCatalog attribute. If the JDFFoldCatalog attribute is an "F" followed by a page count, but not a full JDF fold catalog, Metrix uses the default database Fold item for the relevant page count (the top one in the database Folds list) and displays a message to the user to notify them that a default fold was used.</p> |            |          |       |
|  | <a href="#">Description</a>                                                                                                                                                                                                                                                                                                                                                                                                                            | xs:string  | optional |       |
|  | <a href="#">Rows</a>                                                                                                                                                                                                                                                                                                                                                                                                                                   | xs:int     | required |       |
|  | <a href="#">Cols</a>                                                                                                                                                                                                                                                                                                                                                                                                                                   | xs:int     | required |       |
|  | <a href="#">JogSwapped</a>                                                                                                                                                                                                                                                                                                                                                                                                                             | xs:boolean | optional | false |
|  | <a href="#">SpineSwapped</a>                                                                                                                                                                                                                                                                                                                                                                                                                           | xs:boolean | optional | false |

attribute **FoldingSchemeDefinition/@Description**

|            |              |
|------------|--------------|
| type       | xs:string    |
| properties | use optional |

attribute **FoldingSchemeDefinition/@Rows**

|            |              |
|------------|--------------|
| type       | xs:int       |
| properties | use required |

attribute **FoldingSchemeDefinition/@Cols**

|            |              |
|------------|--------------|
| type       | xs:int       |
| properties | use required |

attribute **FoldingSchemeDefinition/@JogSwapped**

|            |                               |
|------------|-------------------------------|
| type       | xs:boolean                    |
| properties | use optional<br>default false |

attribute **FoldingSchemeDefinition/@SpineSwapped**

|            |                   |                   |  |
|------------|-------------------|-------------------|--|
| type       | <b>xs:boolean</b> |                   |  |
| properties | use<br>default    | optional<br>false |  |

complexType **FoldingSchemeReference**

|            |                                |                           |          |         |       |                                                                                                                                                                                                                                                                                                                                |
|------------|--------------------------------|---------------------------|----------|---------|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| used by    | element <b>FoldingScheme</b>   |                           |          |         |       |                                                                                                                                                                                                                                                                                                                                |
| attributes | Name                           | Type                      | Use      | Default | Fixed | Annotation                                                                                                                                                                                                                                                                                                                     |
|            | <a href="#">ID</a>             | <a href="#">RefIDType</a> | required |         |       | documentation<br>An identifier for the element, unique within the scope of the MXML document. The ID attribute can be used as a reference to the element from elsewhere in the MXML document. Up to 250 characters.                                                                                                            |
|            | <a href="#">Name</a>           | <b>xs:string</b>          |          |         |       | documentation<br>The name of the Fold in the Metrix database to be used for the fold. One of either the JDFFoldCatalog attribute or the Name attribute is required. If both are supplied, the Name is used.                                                                                                                    |
|            | <a href="#">JDFFoldCatalog</a> | <b>xs:string</b>          |          |         |       | documentation<br>The JDF fold catalog identifier describing the type of fold. One of either the JDFFoldCatalog attribute or the Name attribute is required. If both are supplied, the Name is used. However, if a Fold is not found in the Metrix database with a name matching the Name attribute, Metrix attempts to use the |



|  |                                                      |                                                                |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|--|------------------------------------------------------|----------------------------------------------------------------|----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | <a href="#">PageToBleedGap</a>                       | <a href="#">LinearDimension</a> <a href="#">PageToBleedGap</a> |          | documentation<br>Default value is from the ConventionsObject.<br>The minimum distance required between the trim of one page and the bleed of another page, when both pages are from different products.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|  | <a href="#">ID</a><br><a href="#">SheetsRequired</a> | <a href="#">RefIDType</a><br><b>xs:nonNegativeInteger</b>      | 0        | documentation<br>The number of sheets of this layout to produce. For instance, Metrix calculates the number of sheets required to produce all components assigned to this layout based on their number out, the printing method (whether mirrored, like work and turn, or not), and the required quantity of each product. An integer in the valid range 0 - 999,999,999. If not supplied, defaults to "0". One possible workflow will involve an MIS system creating an MXML document without this attribute, then reading these values from the MXML that Metrix exports to know how many sheets were required to produce the calculated layout. Metrix always appends this element when exporting. |
|  | <a href="#">MIS_ID</a>                               | <a href="#">TextType</a> <a href="#">Max</a>                   |          | documentation<br>A globally unique identifier (GUID) for the layout that identifies the layout to the originating MIS system. If not supplied, defaults to an empty string. If supplied, will not be editable within Metrix. Up to 250 characters.                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|  | <a href="#">PrintingMethod</a>                       | <a href="#">PrintingMethodType</a>                             | required | documentation<br>The layout's printing method. Determines how many SheetSide elements the Layout will have. Sheetwise requires two SheetSide elements, while all others require only one.<br><br>Sheetwise: Requires two SheetSide elements.<br>WorkAndTurn: Requires only one SheetSide                                                                                                                                                                                                                                                                                                                                                                                                              |

|  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | <p>element.<br/>WorkAndTumble:<br/>Requires only one SheetSide element.<br/>OneSided: Requires only one SheetSide element.<br/>Perfected: Requires only one SheetSide element.</p> <p><a href="#">BoundsAllComponentBleed</a> <a href="#">OutputOnlyType</a><br/> <a href="#">BoundsAllComponentOffcut</a> <a href="#">OutputOnlyType</a><br/> <a href="#">BoundsAllComponentTrim</a> <a href="#">OutputOnlyType</a><br/> <a href="#">PercentageSheetUse</a> <a href="#">OutputOnlyType</a></p> <p><a href="#">UseDieToolGeometry</a> <b>xs:boolean</b> false</p> <p><a href="#">CustomCutoffLength</a> <b>xs:boolean</b> false<br/> <a href="#">DisplayGraphics</a> <b>xs:boolean</b> false</p> |  |  | <p>documentation<br/>The percentage of imposed component area divided by sheet area. The component area includes all offcuts and binding margins. This attribute is never read by Metrix, but is always written. A floating point number from 0 upwards.</p> <p>documentation<br/>When True, Metrix uses the geometry defined in the die-cutting tool. When False, die-cut products are treated the same as irregular shape products and are nested.</p> <p>documentation<br/>Whether or not the layout was planned using the Display Graphics algorithm.</p> |
|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

#### attribute **LayoutDefinition/@Cutter**

|            |                                                                                                                                                                           |               |            |
|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|------------|
| type       | <a href="#">CutterOverrideType</a>                                                                                                                                        |               |            |
| properties | use optional                                                                                                                                                              |               |            |
| facets     | Kind<br>enumeration                                                                                                                                                       | Value<br>None | Annotation |
| annotation | <p>documentation<br/>Used to specify that NO Cutter should be used. Value may only be "None". Mutually exclusive with CuttingMachineRef and DigitalCuttingMachineRef.</p> |               |            |

#### attribute **LayoutDefinition/@PageToBleedGap**

|            |                                                                                                                                                                                                                  |                    |            |
|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|------------|
| type       | <a href="#">LinearDimension</a> <a href="#">PageToBleedGap</a>                                                                                                                                                   |                    |            |
| facets     | Kind<br>minInclusive<br>maxInclusive                                                                                                                                                                             | Value<br>0<br>50.8 | Annotation |
| annotation | <p>documentation<br/>Default value is from the ConventionsObject.<br/>The minimum distance required between the trim of one page and the bleed of another page, when both pages are from different products.</p> |                    |            |

attribute **LayoutDefinition/@ID**

|        |                           |       |            |
|--------|---------------------------|-------|------------|
| type   | <a href="#">RefIDType</a> |       |            |
| facets | Kind                      | Value | Annotation |
|        | minLength                 | 0     |            |
|        | maxLength                 | 250   |            |

attribute **LayoutDefinition/@SheetsRequired**

|            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |   |  |
|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|--|
| type       | <b>xs:nonNegativeInteger</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |   |  |
| properties | default                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 0 |  |
| annotation | <p>documentation</p> <p>The number of sheets of this layout to produce. For instance, Metrix calculates the number of sheets required to produce all components assigned to this layout based on their number out, the printing method (whether mirrored, like work and turn, or not), and the required quantity of each product. An integer in the valid range 0 - 999,999,999. If not supplied, defaults to "0".</p> <p>One possible workflow will involve an MIS system creating an MXML document without this attribute, then reading these values from the MXML that Metrix exports to know how many sheets were required to produce the calculated layout. Metrix always appends this element when exporting.</p> |   |  |

attribute **LayoutDefinition/@MIS\_ID**

|            |                                                                                                                                                                                                                                                               |       |            |
|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------------|
| type       | <a href="#">TextType Max</a>                                                                                                                                                                                                                                  |       |            |
| facets     | Kind                                                                                                                                                                                                                                                          | Value | Annotation |
|            | minLength                                                                                                                                                                                                                                                     | 0     |            |
|            | maxLength                                                                                                                                                                                                                                                     | 250   |            |
| annotation | <p>documentation</p> <p>A globally unique identifier (GUID) for the layout that identifies the layout to the originating MIS system. If not supplied, defaults to an empty string. If supplied, will not be editable within Metrix. Up to 250 characters.</p> |       |            |

attribute **LayoutDefinition/@PrintingMethod**

|            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |               |            |
|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|------------|
| type       | <a href="#">PrintingMethodType</a>                                                                                                                                                                                                                                                                                                                                                                                                                                               |               |            |
| properties | use                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | required      |            |
| facets     | Kind                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Value         | Annotation |
|            | enumeration                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | OneSided      |            |
|            | enumeration                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Sheetwise     |            |
|            | enumeration                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | WorkAndTurn   |            |
|            | enumeration                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | WorkAndTumble |            |
|            | enumeration                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Perfected     |            |
| annotation | <p>documentation</p> <p>The layout's printing method. Determines how many SheetSide elements the Layout will have. Sheetwise requires two SheetSide elements, while all others require only one.</p> <p>Sheetwise: Requires two SheetSide elements.<br/> WorkAndTurn: Requires only one SheetSide element.<br/> WorkAndTumble: Requires only one SheetSide element.<br/> OneSided: Requires only one SheetSide element.<br/> Perfected: Requires only one SheetSide element.</p> |               |            |

attribute **LayoutDefinition/@BoundsAllComponentBleed**

|      |                                |  |  |
|------|--------------------------------|--|--|
| type | <a href="#">OutputOnlyType</a> |  |  |
|------|--------------------------------|--|--|

attribute **LayoutDefinition/@BoundsAllComponentOffcut**

|      |                                |
|------|--------------------------------|
| type | <a href="#">OutputOnlyType</a> |
|------|--------------------------------|

attribute **LayoutDefinition/@BoundsAllComponentTrim**

|      |                                |
|------|--------------------------------|
| type | <a href="#">OutputOnlyType</a> |
|------|--------------------------------|

attribute **LayoutDefinition/@PercentageSheetUse**

|            |                                                                                                                                                                                                                                                                 |
|------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| type       | <a href="#">OutputOnlyType</a>                                                                                                                                                                                                                                  |
| annotation | <p>documentation</p> <p>The percentage of imposed component area divided by sheet area. The component area includes all offcuts and binding margins. This attribute is never read by Metrix, but is always written. A floating point number from 0 upwards.</p> |

attribute **LayoutDefinition/@UseDieToolGeometry**

|            |                                                                                                                                                                                                |
|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| type       | <b>xs:boolean</b>                                                                                                                                                                              |
| properties | default false                                                                                                                                                                                  |
| annotation | <p>documentation</p> <p>When True, Metrix uses the geometry defined in the die-cutting tool. When False, die-cut products are treated the same as irregular shape products and are nested.</p> |

attribute **LayoutDefinition/@CustomCutoffLength**

|            |                   |
|------------|-------------------|
| type       | <b>xs:boolean</b> |
| properties | default false     |

attribute **LayoutDefinition/@DisplayGraphics**

|            |                                                                                                         |
|------------|---------------------------------------------------------------------------------------------------------|
| type       | <b>xs:boolean</b>                                                                                       |
| properties | default false                                                                                           |
| annotation | <p>documentation</p> <p>Whether or not the layout was planned using the Display Graphics algorithm.</p> |

complexType **LayoutGuid**

|            |                                |                          |                 |         |       |                                                            |
|------------|--------------------------------|--------------------------|-----------------|---------|-------|------------------------------------------------------------|
| used by    | element <a href="#">Layout</a> |                          |                 |         |       |                                                            |
| attributes | Name<br><a href="#">GUID</a>   | Type<br><b>xs:string</b> | Use<br>required | Default | Fixed | Annotation<br>documentation<br>Globally Unique Identifier. |

attribute **LayoutGuid/@GUID**

|            |                                                         |
|------------|---------------------------------------------------------|
| type       | <b>xs:string</b>                                        |
| properties | use required                                            |
| annotation | <p>documentation</p> <p>Globally Unique Identifier.</p> |

## complexType **MarkColorType**

|          |                                                                                                                                                               |
|----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|
| children | <a href="#">AllSeparationsMarkColorRef</a> <a href="#">SpotColorMarkColorRef</a> <a href="#">ProcessColorMarkColorRef</a>                                     |
| used by  | elements <a href="#">BindingMachineDefinition/CollationMarksPrimaryMarkColor</a><br><a href="#">BindingMachineDefinition/CollationMarksSecondaryMarkColor</a> |

## element **MarkColorType/AllSeparationsMarkColorRef**

|            |                                                                                                                                                                                                                                                                                                                   |                                   |     |         |       |            |
|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|-----|---------|-------|------------|
| type       | <a href="#">ResourceRefElementType</a>                                                                                                                                                                                                                                                                            |                                   |     |         |       |            |
| properties | content complex                                                                                                                                                                                                                                                                                                   |                                   |     |         |       |            |
| attributes | Name<br><a href="#">rRef</a>                                                                                                                                                                                                                                                                                      | Type<br><a href="#">RefIDType</a> | Use | Default | Fixed | Annotation |
| annotation | <p>documentation</p> <p>If the mark is to be imaged in all separations, a reference to the relevant AllSeparationsMarkColor element in the ResourcePool. The mark must have one and only one reference to a color element, either aAllSeparationsMarkColor, a SpotColorMarkColor, or a ProcessColorMarkColor.</p> |                                   |     |         |       |            |

## element **MarkColorType/SpotColorMarkColorRef**

|            |                                                                                                                                                                                                                                                                                                            |                                   |     |         |       |            |
|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|-----|---------|-------|------------|
| type       | <a href="#">ResourceRefElementType</a>                                                                                                                                                                                                                                                                     |                                   |     |         |       |            |
| properties | content complex                                                                                                                                                                                                                                                                                            |                                   |     |         |       |            |
| attributes | Name<br><a href="#">rRef</a>                                                                                                                                                                                                                                                                               | Type<br><a href="#">RefIDType</a> | Use | Default | Fixed | Annotation |
| annotation | <p>documentation</p> <p>If the mark is to be imaged in a spot color, a reference to the relevant SpotColorMarkColor element in the ResourcePool. The mark must have one and only one reference to a color element, either anAllSeparationsMarkColor, a SpotColorMarkColor, or a ProcessColorMarkColor.</p> |                                   |     |         |       |            |

## element **MarkColorType/ProcessColorMarkColorRef**

|            |                                                                                                                                                                                                                                                                                                                 |                                   |     |         |       |            |
|------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|-----|---------|-------|------------|
| type       | <a href="#">ResourceRefElementType</a>                                                                                                                                                                                                                                                                          |                                   |     |         |       |            |
| properties | content complex                                                                                                                                                                                                                                                                                                 |                                   |     |         |       |            |
| attributes | Name<br><a href="#">rRef</a>                                                                                                                                                                                                                                                                                    | Type<br><a href="#">RefIDType</a> | Use | Default | Fixed | Annotation |
| annotation | <p>documentation</p> <p>If the mark is to be imaged in process colors, a reference to the relevant ProcessColorMarkColor element in the ResourcePool. The mark must have one and only one reference to a color element, either anAllSeparationsMarkColor, a SpotColorMarkColor, or a ProcessColorMarkColor.</p> |                                   |     |         |       |            |

## complexType **PlantReference**

|            |                                                                                                                                                                                                           |                                   |                 |         |       |                                                                                                                                                                                                                |
|------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|-----------------|---------|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| used by    | elements <a href="#">BindingMachine</a> <a href="#">CutterAlignmentMarkGroup</a> <a href="#">CuttingMachine</a> <a href="#">DieCutterTool</a> <a href="#">DigitalCuttingMachine</a> <a href="#">Press</a> |                                   |                 |         |       |                                                                                                                                                                                                                |
| attributes | Name<br><a href="#">ID</a>                                                                                                                                                                                | Type<br><a href="#">RefIDType</a> | Use<br>required | Default | Fixed | Annotation<br>documentation<br>An identifier for the element, unique within the scope of the MXML document. The ID attribute can be used as a reference to the element from elsewhere in the MXML document. Up |

|            |                                                                                                                                                                                               |
|------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|            | <a href="#">DeviceID</a> <a href="#">TextType Max</a> required to 250 characters.<br>documentation<br>Used to identify devices when Metrix imports an MXML or JDF file. Up to 250 characters. |
| annotation | documentation<br>Used to refer to a Plant object that already exists in the database.                                                                                                         |

attribute **PlantReference/@ID**

|            |                                                                                                                                                                                                                     |          |            |
|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|------------|
| type       | <a href="#">RefIDType</a>                                                                                                                                                                                           |          |            |
| properties | use                                                                                                                                                                                                                 | required |            |
| facets     | Kind                                                                                                                                                                                                                | Value    | Annotation |
|            | minLength                                                                                                                                                                                                           | 0        |            |
|            | maxLength                                                                                                                                                                                                           | 250      |            |
| annotation | documentation<br>An identifier for the element, unique within the scope of the MXML document. The ID attribute can be used as a reference to the element from elsewhere in the MXML document. Up to 250 characters. |          |            |

attribute **PlantReference/@DeviceID**

|            |                                                                                                          |                   |            |
|------------|----------------------------------------------------------------------------------------------------------|-------------------|------------|
| type       | <a href="#">TextType Max</a>                                                                             |                   |            |
| properties | use                                                                                                      | required          |            |
| facets     | Kind<br>minLength<br>maxLength                                                                           | Value<br>0<br>250 | Annotation |
| annotation | documentation<br>Used to identify devices when Metrix imports an MXML or JDF file. Up to 250 characters. |                   |            |

complexType **PressDefinition**

|            |                                  |                              |          |         |       |                                                                                                                                                                                                                                     |
|------------|----------------------------------|------------------------------|----------|---------|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| children   | <a href="#">CutoffLengthPool</a> |                              |          |         |       |                                                                                                                                                                                                                                     |
| used by    | element <a href="#">Press</a>    |                              |          |         |       |                                                                                                                                                                                                                                     |
| attributes | Name                             | Type                         | Use      | Default | Fixed | Annotation                                                                                                                                                                                                                          |
|            | <a href="#">CUD</a>              | <a href="#">CUDType</a>      |          |         |       |                                                                                                                                                                                                                                     |
|            | <a href="#">ID</a>               | <a href="#">RefIDType</a>    | required |         |       | <a href="#">documentation</a><br>An identifier for the element, unique within the scope of the MXML document. The ID attribute can be used as a reference to the element from elsewhere in the MXML document. Up to 250 characters. |
|            | <a href="#">MIS_ID</a>           | <a href="#">TextType Max</a> |          |         |       | <a href="#">documentation</a><br>One of DeviceID or MIS_ID is required.<br>A globally unique identifier (GUID) for the product that identifies the product to the originating MIS system. If not supplied, defaults to an           |

|  |                                     |                              |          |                                                                                                                                                                                                                                                                                                                                                                            |
|--|-------------------------------------|------------------------------|----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | <a href="#">Name</a>                | <a href="#">TextType Max</a> | required | <p>empty string. If supplied, will not be editable within Metrix. Up to 250 characters. <a href="#">documentation</a></p> <p>Required when running in memory-only mode (i.e., when the root MetrixXML/@MemoryOnly = True).</p> <p>The name displayed in the Metrix user interface to identify this plant resource. Up to 250 characters. <a href="#">documentation</a></p> |
|  | <a href="#">Manufacturer</a>        | <a href="#">TextType Max</a> |          | <p>Optional, and only read when running in memory-only mode (i.e., when the root MetrixXML/@MemoryOnly = True).</p> <p>Optional field used in some exported JDF. <a href="#">documentation</a></p>                                                                                                                                                                         |
|  | <a href="#">ModelName</a>           | <a href="#">TextType Max</a> |          | <p>Optional, and only read when running in memory-only mode (i.e., when the root MetrixXML/@MemoryOnly = True).</p> <p>Optional field used in some exported JDF. <a href="#">documentation</a></p>                                                                                                                                                                         |
|  | <a href="#">ModelNumber</a>         | <a href="#">TextType Max</a> |          | <p>Optional, and only read when running in memory-only mode (i.e., when the root MetrixXML/@MemoryOnly = True).</p> <p>Optional field used in some exported JDF. <a href="#">documentation</a></p>                                                                                                                                                                         |
|  | <a href="#">SerialNumber</a>        | <a href="#">TextType Max</a> |          | <p>Optional, and only read when running in memory-only mode (i.e., when the root MetrixXML/@MemoryOnly = True).</p> <p>Optional field used in some exported JDF. <a href="#">documentation</a></p>                                                                                                                                                                         |
|  | <a href="#">DeviceID</a>            | <a href="#">TextType Max</a> |          | <p>One of DeviceID or MIS_ID is required <a href="#">documentation</a></p>                                                                                                                                                                                                                                                                                                 |
|  | <a href="#">AverageRunningSpeed</a> | <b>xs:positiveInteger</b>    | 1        | <p>Only used if Not Rolled. Required when running in memory-only mode (i.e., when the root MetrixXML/@MemoryOnly = True).</p> <p>The average running speed for this press, in sheets per hour. Used to calculate the layout and project costs and time to produce. For some digital devices, use the formula [pages per minute * 60] to determine this</p>                 |

|                                              |                                                    |       |                                                                                                                                                                                                                                                                                                           |
|----------------------------------------------|----------------------------------------------------|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <a href="#">CoatingSides</a>                 | <b>derived by: xs:integer</b>                      | 0     | property.<br>documentation<br>Number of sides to which coatings can be applied.                                                                                                                                                                                                                           |
| <a href="#">ColorBarAllowance</a>            | <a href="#">LinearDimension_NonImageAreaType</a>   |       | documentation<br>Area reserved for Color Bars.                                                                                                                                                                                                                                                            |
| <a href="#">CostPerPlate</a>                 | <a href="#">PressCostPerPlateType</a>              | 0     | documentation<br>Required if<br>doesUsePlates=true.<br>Required when running in memory-only mode (i.e., when the root<br>MetrixXML/@MemoryOnly = True).<br>The plate cost for this press.                                                                                                                 |
| <a href="#">CutoffLength</a>                 | <a href="#">LinearDimensionType</a>                |       | documentation<br>Used for Rollfed, fixed-cutoff presses                                                                                                                                                                                                                                                   |
| <a href="#">CutoffType</a>                   | <a href="#">PressWebCutoffType</a>                 | Fixed | documentation<br>Only used with Rollfed Press                                                                                                                                                                                                                                                             |
| <a href="#">CutterDeviceID</a>               | <a href="#">TextType Max</a>                       |       | documentation<br>Device ID for the Cutter to be assigned to this press.<br>"(Default Guillotine)" means to use the Default Guillotine Cutter in the Plant.<br>"(Default Digital)" means to use the default Digital Cutting Machine in the plant. "(None)" means the press does not have a default cutter. |
| <a href="#">DoesUsePlates</a>                | <b>xs:boolean</b>                                  | true  | documentation<br>Boolean ("true" or "false" values). Default value is "true". When this is specified, all Plateattributes for the Press are ignored:<br>Press/@PlateBrand<br>Press/@PlateSizeAroundCylinder<br>Press/@PlateSizeAcrossCylinder<br>Press/@PlateThickness<br>Press/@CostPerPlate             |
| <a href="#">DoubleSidedNoGripperChange</a>   | <b>xs:boolean</b>                                  | false | documentation<br>Boolean ("true" or "false" values). Default value is "false". When set to "true," press prints on both sides in a single pass while using a sheetwise printing method.                                                                                                                   |
| <a href="#">UVSupport</a>                    | <b>xs:boolean</b>                                  | false | documentation<br>When True, press supports UV inks.                                                                                                                                                                                                                                                       |
| <a href="#">DisableNonUVInk</a>              | <b>xs:boolean</b>                                  | false | documentation<br>When True, Press requires UV inks.                                                                                                                                                                                                                                                       |
| <a href="#">DisableNonUVCoating</a>          | <b>xs:boolean</b>                                  | false | documentation<br>When True, Press requires UV coatings. InkUnits must be defined and CoaterSides must = 1 or 2.                                                                                                                                                                                           |
| <a href="#">Digital</a>                      | <b>xs:boolean</b>                                  | false | documentation<br>When True, Press is Digital.                                                                                                                                                                                                                                                             |
| <a href="#">HorizontalDeviceCompensation</a> | <a href="#">LinearDimension_HorzDeviceCompType</a> | 0     | documentation<br>May only be +/- Half Max                                                                                                                                                                                                                                                                 |

|                                                    |                                                                     |  |        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|----------------------------------------------------|---------------------------------------------------------------------|--|--------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                    |                                                                     |  |        | <p>Sheet Size.<br/>Required when running in memory-only mode (i.e., when the root MetrixXML/@MemoryOnly = True).</p> <p>The amount to offset the image on the plate, to compensate for centering inaccuracies on devices that are not controlled from hardware panels. Positive values move the plate image to the right; negative values move the plate image to the left. Defaults to "0".</p> <p>documentation<br/>Required when running in memory-only mode (i.e., when the root MetrixXML/@MemoryOnly = True).</p> <p>The amount to offset the image on the plate, to compensate for centering inaccuracies on devices that are not controlled from hardware panels. Positive values move the plate image to the right; negative values move the plate image to the left. Defaults to "0".</p> |
| <a href="#">HorizontalDeviceCompensationMirror</a> | <b>xs:boolean</b>                                                   |  | false  | <p>documentation<br/>Required when running in memory-only mode (i.e., when the root MetrixXML/@MemoryOnly = True).</p> <p>Whether the horizontal device compensation is mirrored on side 2.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <a href="#">HorizontalSheetOffset</a>              | <a href="#">LinearDimension</a> <a href="#">HorzSheetOffsetType</a> |  | 0      | <p>documentation<br/>May only be +/- Half Max Sheet Size.<br/>Required when running in memory-only mode (i.e., when the root MetrixXML/@MemoryOnly = True).</p> <p>The amount to offset the sheet on the plate, from the Anchor selected. Positive values move the sheet image to the right; negative values move the sheet image to the left. This property is only used when exporting to Imposed PDF or JDF, when Impose To Press Plate is selected. Defaults to "0".</p>                                                                                                                                                                                                                                                                                                                        |
| <a href="#">HorizontalSheetOffsetAnchor</a>        | <a href="#">PressHorzSheetOffsetAnchorType</a>                      |  | Center | <p>documentation<br/>Required when running in memory-only mode (i.e., when the root MetrixXML/@MemoryOnly</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

|                                             |                                                 |          |  |                                                                                                                                                                                                                                                                                                          |
|---------------------------------------------|-------------------------------------------------|----------|--|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                             |                                                 |          |  | = True).<br>The point on the sheet and the plate from which offsets are calculated. This property is only used when exporting to Imposed PDF or JDF, when Impose To Press Plate is selected. Defaults to Center.                                                                                         |
| <a href="#">HorizontalSheetOffsetMirror</a> | <b>xs:boolean</b>                               | false    |  | documentation<br>Required when running in memory-only mode (i.e., when the root MetrixXML/@MemoryOnly = True).<br>Whether the horizontal sheet offset is mirrored on side 2 of the sheet.                                                                                                                |
| <a href="#">HourlyRate</a>                  | <a href="#">PressHourlyRateType</a>             | required |  | documentation<br>Required when running in memory-only mode (i.e., when the root MetrixXML/@MemoryOnly = True).<br>The hourly rate for this press. Used to calculate the layout and project costs. For digital presses, use the formula [click charge *pages per minute * 60] to determine this property. |
| <a href="#">InkUnits</a>                    | derived by: <b>xs:integer</b>                   | -1       |  | documentation<br>-1 indicates not used, 0 is not an allowed value                                                                                                                                                                                                                                        |
| <a href="#">InspectionMarksDefault</a>      | <b>xs:boolean</b>                               | false    |  |                                                                                                                                                                                                                                                                                                          |
| <a href="#">InspectionMarksLeadingEdge</a>  | derived by: <a href="#">LinearDimensionType</a> | 0        |  |                                                                                                                                                                                                                                                                                                          |
| <a href="#">InspectionMarksSides</a>        | derived by: <a href="#">LinearDimensionType</a> | 0        |  |                                                                                                                                                                                                                                                                                                          |
| <a href="#">IPAddress</a>                   | <a href="#">TextType Max</a>                    |          |  |                                                                                                                                                                                                                                                                                                          |
| <a href="#">IsFlipPerfected</a>             | <b>xs:boolean</b>                               | false    |  | documentation<br>When True, Components are flipped when PrintingMethod=Perfected, so front side of Product appears on Side 1 of Layout and back side of Product appears on Side 2 of Layout.                                                                                                             |
| <a href="#">IsRollFed</a>                   | <b>xs:boolean</b>                               | false    |  | documentation<br>When True, Press is Rollfed; when False, Press is Sheetfed.                                                                                                                                                                                                                             |
| <a href="#">LinearRate</a>                  | <b>xs:positiveInteger</b>                       | 1        |  | documentation<br>Only used if press is not Rollfed                                                                                                                                                                                                                                                       |
| <a href="#">MakeReadyPerColor</a>           | <a href="#">PressMakeReadyPerColorType</a>      | required |  | documentation<br>Required when running in memory-only mode (i.e., when the root MetrixXML/@MemoryOnly = True).<br>The hours (or fractions of hours) required to complete make-ready for each color. Used to calculate the layout cost and time to produce.                                               |
| <a href="#">MaxImageableHeight</a>          | derived by: <a href="#">LinearDimensionType</a> | 0        |  | documentation<br>Height of the maximum                                                                                                                                                                                                                                                                   |

|                                          |                                                         |          |                                                                                                                                                                              |
|------------------------------------------|---------------------------------------------------------|----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <a href="#">MaxImageableWidth</a>        | derived by: <a href="#">LinearDimensionType</a>         | 0        | imageable area.<br>documentation<br>Width of the maximum imageable area.                                                                                                     |
| <a href="#">MaxInksBack</a>              | derived by: xs:integer                                  | -1       | documentation<br>-1 indicates not used, 0 is not an allowed value                                                                                                            |
| <a href="#">MaxInksFront</a>             | derived by: xs:integer                                  | -1       | documentation<br>-1 indicates not used, 0 is not an allowed value                                                                                                            |
| <a href="#">MaxSheetAcrossCylinder</a>   | <a href="#">LinearDimension_SheetAcrossMinType</a>      | required | documentation<br>Required when running in memory-only mode (i.e., when the root MetrixXML/@MemoryOnly = True).<br>The maximum sheet size across the cylinder for this press. |
| <a href="#">MaxSheetAroundCylinder</a>   | <a href="#">LinearDimension_SheetAroundMinType</a>      | required | documentation<br>Required when running in memory-only mode (i.e., when the root MetrixXML/@MemoryOnly = True).<br>The maximum sheet size around the cylinder for this press. |
| <a href="#">MaxStockThickness</a>        | <a href="#">LinearDimension_PressStockThicknessType</a> | required | documentation<br>Required when running in memory-only mode (i.e., when the root MetrixXML/@MemoryOnly = True).<br>The maximum stock thickness for this press.                |
| <a href="#">MinSheetAcrossCylinder</a>   | <a href="#">LinearDimension_SheetAcrossMinType</a>      | required | documentation<br>Required when running in memory-only mode (i.e., when the root MetrixXML/@MemoryOnly = True).<br>The minimum sheet size across the cylinder for this press. |
| <a href="#">MinSheetAroundCylinder</a>   | <a href="#">LinearDimension_SheetAroundMinType</a>      | required | documentation<br>Required when running in memory-only mode (i.e., when the root MetrixXML/@MemoryOnly = True).<br>The minimum sheet size around the cylinder for this press. |
| <a href="#">MinStockThickness</a>        | <a href="#">LinearDimension_PressStockThicknessType</a> | required | documentation<br>Required when running in memory-only mode (i.e., when the root MetrixXML/@MemoryOnly = True).<br>The minimum stock thickness for this press.                |
| <a href="#">MinWorkAndTurnDryingTime</a> | <a href="#">PressMinWorkAndTurnDryingTimeType</a>       | required | documentation<br>Required when running in memory-only mode (i.e., when the root                                                                                              |

|  |                                                 |                                                  |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|--|-------------------------------------------------|--------------------------------------------------|----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | <a href="#">NonImageBottom</a>                  | <a href="#">LinearDimension NonImageAreaType</a> | required | <p>MetrixXML/@MemoryOnly = True).</p> <p>The minimum drying time for work-and-turn (and work-and-tumble) layouts for this press. Used to calculate the layout cost and time to produce.</p> <p><a href="#">documentation</a></p> <p>Required when running in memory-only mode (i.e., when the root MetrixXML/@MemoryOnly = True).</p> <p>The gripper margin at the bottom of the sheet. Metrix will not allow any page bleed in this area.</p> |
|  | <a href="#">NonImageSide</a>                    | <a href="#">LinearDimension NonImageAreaType</a> | required | <p><a href="#">documentation</a></p> <p>Required when running in memory-only mode (i.e., when the root MetrixXML/@MemoryOnly = True).</p> <p>The non-imageable area on each side of the sheet. Metrix will not allow any page bleed in this area.</p>                                                                                                                                                                                          |
|  | <a href="#">NonImageTop</a>                     | <a href="#">LinearDimension NonImageAreaType</a> | required | <p><a href="#">documentation</a></p> <p>Required when running in memory-only mode (i.e., when the root MetrixXML/@MemoryOnly = True).</p> <p>The non-imageable area at the tail of the sheet. Metrix will not allow any page bleed in this area.</p>                                                                                                                                                                                           |
|  | <a href="#">OverrideAverageRunningSpeed</a>     | xs:nonNegativeInteger                            | 0        | <p><a href="#">documentation</a></p> <p>If values are set, they are used instead of the normal settings for the press. Can be used when defining a new press via MXML, in either normal or memory-only mode.</p>                                                                                                                                                                                                                               |
|  | <a href="#">OverrideCostPerPlate</a>            | derived by: xs:float                             | 0        | <p><a href="#">documentation</a></p> <p>If values are set, they are used instead of the normal settings for the press. Can be used when defining a new press via MXML, in either normal or memory-only mode.</p>                                                                                                                                                                                                                               |
|  | <a href="#">OverrideHourlyRateMakeReady</a>     | <a href="#">PressHourlyRateOverrideType</a>      | 0        | <p><a href="#">documentation</a></p> <p>If values are set, they are used instead of the normal settings for the press. Can be used when defining a new press via MXML, in either normal or memory-only mode.</p>                                                                                                                                                                                                                               |
|  | <a href="#">OverrideHourlyRateNonPerfecting</a> | <a href="#">PressHourlyRateOverrideType</a>      | 0        | <p><a href="#">documentation</a></p> <p>If values are set, they are used instead of the normal settings for the press. Can be used when defining</p>                                                                                                                                                                                                                                                                                           |

|                                                  |                                              |          |                                                                                                                                                                                                                                                                                                    |
|--------------------------------------------------|----------------------------------------------|----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <a href="#">OverrideHourlyRatePerfecting</a>     | <a href="#">PressHourlyRateOverrideType</a>  | 0        | <p>a new press via MXML, in either normal or memory-only mode.</p> <p><a href="#">documentation</a></p> <p>If values are set, they are used instead of the normal settings for the press. Can be used when defining a new press via MXML, in either normal or memory-only mode.</p>                |
| <a href="#">OverrideMakeReadyPerColor</a>        | derived by: xs:float                         | 0        | <p><a href="#">documentation</a></p> <p>If values are set, they are used instead of the normal settings for the press. Can be used when defining a new press via MXML, in either normal or memory-only mode.</p>                                                                                   |
| <a href="#">OverrideMinWorkAndTurnDryingTime</a> | derived by: xs:float                         | 0        | <p><a href="#">documentation</a></p> <p>If values are set, they are used instead of the normal settings for the press. Can be used when defining a new press via MXML, in either normal or memory-only mode.</p>                                                                                   |
| <a href="#">PageTrimBottom</a>                   | <a href="#">LinearDimension PageTrimType</a> | required | <p><a href="#">documentation</a></p> <p>Required when running in memory-only mode (i.e., when the root MetrixXML/@MemoryOnly = True).</p> <p>The amount of space reserved for marks at the gripper edge of the sheet. Metrix will not allow any page trim in this area, but will allow bleeds.</p> |
| <a href="#">PageTrimSide</a>                     | <a href="#">LinearDimension PageTrimType</a> | required | <p><a href="#">documentation</a></p> <p>Required when running in memory-only mode (i.e., when the root MetrixXML/@MemoryOnly = True).</p> <p>The amount of space reserved for marks on each side of the sheet. Metrix will not allow any page trim in this area, but will allow bleeds.</p>        |
| <a href="#">PageTrimTop</a>                      | <a href="#">LinearDimension PageTrimType</a> | required | <p><a href="#">documentation</a></p> <p>Required when running in memory-only mode (i.e., when the root MetrixXML/@MemoryOnly = True).</p> <p>The amount of space reserved for marks at the tail of the sheet. Metrix will not allow any page trim in this area, but will allow bleeds.</p>         |
| <a href="#">Perfects</a>                         | xs:boolean                                   | required | <p><a href="#">documentation</a></p> <p>Required when running in memory-only mode (i.e., when the root MetrixXML/@MemoryOnly</p>                                                                                                                                                                   |

|  |                                         |                                                    |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|--|-----------------------------------------|----------------------------------------------------|----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | <a href="#">PlateBrand</a>              | <a href="#">TextType Max</a>                       |          | <p>= True).</p> <p>Whether or not the press is capable of perfecting.</p> <p>documentation</p> <p>Required when running in memory-only mode (i.e., when the root MetrixXML/@MemoryOnly = True).</p> <p>Optional field used in some exported JDF.</p> <p>documentation</p> <p>Required if doesUsePlates=true.</p> <p>Required when running in memory-only mode (i.e., when the root MetrixXML/@MemoryOnly = True).</p> <p>The plate size across the cylinder.</p> <p>documentation</p> <p>Required if doesUsePlates=true.</p> <p>Required when running in memory-only mode (i.e., when the root MetrixXML/@MemoryOnly = True).</p> <p>The plate size around the cylinder.</p> <p>documentation</p> <p>Required if doesUsePlates=true.</p> <p>Required when running in memory-only mode (i.e., when the root MetrixXML/@MemoryOnly = True).</p> <p>The plate thickness, in measurement units (inches or millimeters).</p> |
|  | <a href="#">PlateSizeAcrossCylinder</a> | <a href="#">LinearDimension PlateAcrossMinType</a> | 0        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|  | <a href="#">PlateSizeAroundCylinder</a> | <a href="#">LinearDimension PlateAroundMinType</a> | 0        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|  | <a href="#">PlateThickness</a>          | <a href="#">LinearDimension PlateThicknessType</a> |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|  | <a href="#">ServerName</a>              | <a href="#">TextType Max</a>                       |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|  | <a href="#">SheetSetBack</a>            | <a href="#">LinearDimension SheetSetBackType</a>   | required | <p>documentation</p> <p>Required when running in memory-only mode (i.e., when the root MetrixXML/@MemoryOnly = True).</p> <p>The vertical distance from the bottom of the plate edge to the bottom of the press sheet edge. This property is only used when exporting to Imposed PDF or JDF, when Impose To Press Plate is selected.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|  | <a href="#">SubType</a>                 | <a href="#">TextType Max</a>                       |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |

attribute **PressDefinition/@DeviceID**

|        |                              |       |            |
|--------|------------------------------|-------|------------|
| type   | <a href="#">TextType Max</a> |       |            |
| facets | Kind                         | Value | Annotation |
|        | minLength                    | 0     |            |

|            |                                                        |
|------------|--------------------------------------------------------|
|            | maxLength 250                                          |
| annotation | documentation<br>One of DeviceID or MIS_ID is required |

#### attribute **PressDefinition/@AverageRunningSpeed**

|            |                                                                                                                                                                                                                                                                                                                                                                                |
|------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| type       | <b>xs:positiveInteger</b>                                                                                                                                                                                                                                                                                                                                                      |
| properties | default 1                                                                                                                                                                                                                                                                                                                                                                      |
| annotation | documentation<br>Only used if Not Rollfed.<br>Required when running in memory-only mode (i.e., when the root MetrixXML/@MemoryOnly = True).<br>The average running speed for this press, in sheets per hour. Used to calculate the layout and project costs and time to produce. For some digital devices, use the formula [pages per minute * 60] to determine this property. |

#### attribute **PressDefinition/@CoatingSides**

|            |                                                                    |       |            |
|------------|--------------------------------------------------------------------|-------|------------|
| type       | restriction of <b>xs:integer</b>                                   |       |            |
| properties | default 0                                                          |       |            |
| facets     | Kind                                                               | Value | Annotation |
|            | minInclusive                                                       | 0     |            |
|            | maxInclusive                                                       | 2     |            |
| annotation | documentation<br>Number of sides to which coatings can be applied. |       |            |

#### attribute **PressDefinition/@ColorBarAllowance**

|            |                                                  |       |            |
|------------|--------------------------------------------------|-------|------------|
| type       | <a href="#">LinearDimension NonImageAreaType</a> |       |            |
| facets     | Kind                                             | Value | Annotation |
|            | minInclusive                                     | 0     |            |
|            | maxInclusive                                     | 76.2  |            |
| annotation | documentation<br>Area reserved for Color Bars.   |       |            |

#### attribute **PressDefinition/@CostPerPlate**

|              |                                                                                                                                                                                                        |            |       |            |              |   |  |              |        |  |
|--------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|-------|------------|--------------|---|--|--------------|--------|--|
| type         | <a href="#">PressCostPerPlateType</a>                                                                                                                                                                  |            |       |            |              |   |  |              |        |  |
| properties   | default 0                                                                                                                                                                                              |            |       |            |              |   |  |              |        |  |
| facets       | <table><tr><td>Kind</td><td>Value</td><td>Annotation</td></tr><tr><td>minInclusive</td><td>0</td><td></td></tr><tr><td>maxInclusive</td><td>999999</td><td></td></tr></table>                          | Kind       | Value | Annotation | minInclusive | 0 |  | maxInclusive | 999999 |  |
| Kind         | Value                                                                                                                                                                                                  | Annotation |       |            |              |   |  |              |        |  |
| minInclusive | 0                                                                                                                                                                                                      |            |       |            |              |   |  |              |        |  |
| maxInclusive | 999999                                                                                                                                                                                                 |            |       |            |              |   |  |              |        |  |
| annotation   | <p>documentation</p> <p>Required if doesUsePlates=true.</p> <p>Required when running in memory-only mode (i.e., when the root MetrixXML/@MemoryOnly = True).</p> <p>The plate cost for this press.</p> |            |       |            |              |   |  |              |        |  |

#### attribute **PressDefinition/@CutoffLength**

|            |                                                         |
|------------|---------------------------------------------------------|
| type       | <a href="#">LinearDimensionType</a>                     |
| annotation | documentation<br>Used for Rollfed, fixed-cutoff presses |

attribute **PressDefinition/@CutoffType**

|            |                                               |          |            |
|------------|-----------------------------------------------|----------|------------|
| type       | <a href="#">PressWebCutoffType</a>            |          |            |
| properties | default                                       | Fixed    |            |
| facets     | Kind                                          | Value    | Annotation |
|            | enumeration                                   | Fixed    |            |
|            | enumeration                                   | List     |            |
|            | enumeration                                   | Variable |            |
|            | enumeration                                   | Custom   |            |
| annotation | documentation<br>Only used with Rollfed Press |          |            |

attribute **PressDefinition/@CutterDeviceID**

|            |                                                                                                                                                                                                                                                                                                           |       |            |
|------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------------|
| type       | <a href="#">TextType Max</a>                                                                                                                                                                                                                                                                              |       |            |
| facets     | Kind                                                                                                                                                                                                                                                                                                      | Value | Annotation |
|            | minLength                                                                                                                                                                                                                                                                                                 | 0     |            |
|            | maxLength                                                                                                                                                                                                                                                                                                 | 250   |            |
| annotation | documentation<br>Device ID for the Cutter to be assigned to this press.<br>"(Default Guillotine)" means to use the Default Guillotine Cutter in the Plant.<br>"(Default Digital)" means to use the default Digital Cutting Machine in the plant. "(None)" means the press does not have a default cutter. |       |            |

attribute **PressDefinition/@DoesUsePlates**

|            |                                                                                                                                                                                                                                                                                               |      |  |
|------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|--|
| type       | xs:boolean                                                                                                                                                                                                                                                                                    |      |  |
| properties | default                                                                                                                                                                                                                                                                                       | true |  |
| annotation | documentation<br>Boolean ("true" or "false" values). Default value is "true". When this is specified, all Plateattributes for the Press are ignored:<br>Press/@PlateBrand<br>Press/@PlateSizeAroundCylinder<br>Press/@PlateSizeAcrossCylinder<br>Press/@PlateThickness<br>Press/@CostPerPlate |      |  |

attribute **PressDefinition/@DoubleSidedNoGripperChange**

|            |                                                                                                                                                                                         |
|------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| type       | xs:boolean                                                                                                                                                                              |
| properties | default false                                                                                                                                                                           |
| annotation | documentation<br>Boolean ("true" or "false" values). Default value is "false". When set to "true," press prints on both sides in a single pass while using a sheetwise printing method. |

attribute **PressDefinition/@UVSupport**

|            |                                                     |       |  |
|------------|-----------------------------------------------------|-------|--|
| type       | xs:boolean                                          |       |  |
| properties | default                                             | false |  |
| annotation | documentation<br>When True, press supports UV inks. |       |  |

attribute **PressDefinition/@DisableNonUVInk**

|            |                                                     |
|------------|-----------------------------------------------------|
| type       | <b>xs:boolean</b>                                   |
| properties | default false                                       |
| annotation | documentation<br>When True, Press requires UV inks. |

attribute **PressDefinition/@DisableNonUVCoating**

|            |                                                                                                                 |
|------------|-----------------------------------------------------------------------------------------------------------------|
| type       | <b>xs:boolean</b>                                                                                               |
| properties | default false                                                                                                   |
| annotation | documentation<br>When True, Press requires UV coatings. InkUnits must be defined and CoaterSides must = 1 or 2. |

attribute **PressDefinition/@Digital**

|            |                                               |
|------------|-----------------------------------------------|
| type       | <b>xs:boolean</b>                             |
| properties | default false                                 |
| annotation | documentation<br>When True, Press is Digital. |

attribute **PressDefinition/@HorizontalDeviceCompensation**

|            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| type       | <a href="#">LinearDimension</a> <a href="#">HorzDeviceCompType</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| properties | default 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| annotation | documentation<br>May only be +/- Half Max Sheet Size.<br>Required when running in memory-only mode (i.e., when the root MetrixXML/@MemoryOnly = True).<br>The amount to offset the image on the plate, to compensate for centering inaccuracies on devices that are not controlled from hardware panels. Positive values move the plate image to the right; negative values move the plate image to the left. Defaults to "0".<br><br>documentation<br>Required when running in memory-only mode (i.e., when the root MetrixXML/@MemoryOnly = True).<br>The amount to offset the image on the plate, to compensate for centering inaccuracies on devices that are not controlled from hardware panels. Positive values move the plate image to the right; negative values move the plate image to the left. Defaults to "0". |

attribute **PressDefinition/@HorizontalDeviceCompensationMirror**

|            |                                                                                                                                                                                     |
|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| type       | <b>xs:boolean</b>                                                                                                                                                                   |
| properties | default false                                                                                                                                                                       |
| annotation | documentation<br>Required when running in memory-only mode (i.e., when the root MetrixXML/@MemoryOnly = True).<br>Whether the horizontal device compensation is mirrored on side 2. |

attribute **PressDefinition/@HorizontalSheetOffset**

|            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| type       | <a href="#">LinearDimension</a> <a href="#">HorzSheetOffsetType</a>                                                                                                                                                                                                                                                                                                                                                                                             |
| properties | default 0                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| annotation | documentation<br>May only be +/- Half Max Sheet Size.<br>Required when running in memory-only mode (i.e., when the root MetrixXML/@MemoryOnly = True).<br>The amount to offset the sheet on the plate, from the Anchor selected. Positive values move the sheet image to the right; negative values move the sheet image to the left. This property is only used when exporting to Imposed PDF or JDF, when Impose To Press Plate is selected. Defaults to "0". |

attribute **PressDefinition/@HorizontalSheetOffsetAnchor**

|            |                                                                                                                                                                                                                                                                                                                        |        |            |
|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|------------|
| type       | <a href="#">PressHorzSheetOffsetAnchorType</a>                                                                                                                                                                                                                                                                         |        |            |
| properties | default                                                                                                                                                                                                                                                                                                                | Center |            |
| facets     | Kind                                                                                                                                                                                                                                                                                                                   | Value  | Annotation |
|            | enumeration                                                                                                                                                                                                                                                                                                            | Center |            |
|            | enumeration                                                                                                                                                                                                                                                                                                            | Left   |            |
|            | enumeration                                                                                                                                                                                                                                                                                                            | Right  |            |
| annotation | documentation<br>Required when running in memory-only mode (i.e., when the root MetrixXML/@MemoryOnly = True).<br>The point on the sheet and the plate from which offsets are calculated. This property is only used when exporting to Imposed PDF or JDF, when Impose To Press Plate is selected. Defaults to Center. |        |            |

attribute **PressDefinition/@HorizontalSheetOffsetMirror**

|            |                                                                                                                                                                                           |       |  |
|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|--|
| type       | xs:boolean                                                                                                                                                                                |       |  |
| properties | default                                                                                                                                                                                   | false |  |
| annotation | documentation<br>Required when running in memory-only mode (i.e., when the root MetrixXML/@MemoryOnly = True).<br>Whether the horizontal sheet offset is mirrored on side 2 of the sheet. |       |  |

attribute **PressDefinition/@HourlyRate**

|            |                                                                                                                                                                                                                                                                                                          |          |            |
|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|------------|
| type       | <a href="#">PressHourlyRateType</a>                                                                                                                                                                                                                                                                      |          |            |
| properties | use                                                                                                                                                                                                                                                                                                      | required |            |
| facets     | Kind                                                                                                                                                                                                                                                                                                     | Value    | Annotation |
|            | minInclusive                                                                                                                                                                                                                                                                                             | 1        |            |
| annotation | documentation<br>Required when running in memory-only mode (i.e., when the root MetrixXML/@MemoryOnly = True).<br>The hourly rate for this press. Used to calculate the layout and project costs. For digital presses, use the formula [click charge *pages per minute * 60] to determine this property. |          |            |

attribute **PressDefinition/@InkUnits**

|            |                                                                   |       |            |
|------------|-------------------------------------------------------------------|-------|------------|
| type       | restriction of <b>xs:integer</b>                                  |       |            |
| properties | default                                                           | -1    |            |
| facets     | Kind                                                              | Value | Annotation |
|            | minInclusive                                                      | -1    |            |
|            | maxInclusive                                                      | 198   |            |
| annotation | documentation<br>-1 indicates not used, 0 is not an allowed value |       |            |

attribute **PressDefinition/@InspectionMarksDefault**

|            |                   |       |  |
|------------|-------------------|-------|--|
| type       | <b>xs:boolean</b> |       |  |
| properties | default           | false |  |

attribute **PressDefinition/@InspectionMarksLeadingEdge**

|      |                                                    |  |  |
|------|----------------------------------------------------|--|--|
| type | restriction of <a href="#">LinearDimensionType</a> |  |  |
|------|----------------------------------------------------|--|--|

|            |                      |            |            |
|------------|----------------------|------------|------------|
| properties | default 0            |            |            |
| facets     | Kind<br>minInclusive | Value<br>0 | Annotation |

#### attribute **PressDefinition/@InspectionMarksSides**

|            |                                                    |       |            |
|------------|----------------------------------------------------|-------|------------|
| type       | restriction of <a href="#">LinearDimensionType</a> |       |            |
| properties | default 0                                          |       |            |
| facets     | Kind                                               | Value | Annotation |
|            | minInclusive                                       | 0     |            |

#### attribute **PressDefinition/@IPAddress**

|        |                              |       |            |
|--------|------------------------------|-------|------------|
| type   | <a href="#">TextType_Max</a> |       |            |
| facets | Kind                         | Value | Annotation |
|        | minLength                    | 0     |            |
|        | maxLength                    | 250   |            |

#### attribute **PressDefinition/@IsFlipPerfected**

|            |                                                                                                                                                                                              |
|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| type       | <b>xs:boolean</b>                                                                                                                                                                            |
| properties | default false                                                                                                                                                                                |
| annotation | documentation<br>When True, Components are flipped when PrintingMethod=Perfected, so front side of Product appears on Side 1 of Layout and back side of Product appears on Side 2 of Layout. |

#### attribute **PressDefinition/@IsRollFed**

|            |                                                                              |
|------------|------------------------------------------------------------------------------|
| type       | <b>xs:boolean</b>                                                            |
| properties | default false                                                                |
| annotation | documentation<br>When True, Press is Rollfed; when False, Press is Sheetfed. |

#### attribute **PressDefinition/@LinearRate**

|            |                                                    |
|------------|----------------------------------------------------|
| type       | <b>xs:positiveInteger</b>                          |
| properties | default 1                                          |
| annotation | documentation<br>Only used if press is not Rollfed |

#### attribute **PressDefinition/@MakeReadyPerColor**

|              |                                                                                                                                                                                                                                                                                       |            |       |            |              |   |  |
|--------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|-------|------------|--------------|---|--|
| type         | <a href="#">PressMakeReadyPerColorType</a>                                                                                                                                                                                                                                            |            |       |            |              |   |  |
| properties   | use required                                                                                                                                                                                                                                                                          |            |       |            |              |   |  |
| facets       | <table><tr><td>Kind</td><td>Value</td><td>Annotation</td></tr><tr><td>minInclusive</td><td>0</td><td></td></tr></table>                                                                                                                                                               | Kind       | Value | Annotation | minInclusive | 0 |  |
| Kind         | Value                                                                                                                                                                                                                                                                                 | Annotation |       |            |              |   |  |
| minInclusive | 0                                                                                                                                                                                                                                                                                     |            |       |            |              |   |  |
| annotation   | <div>documentation</div> <div>Required when running in memory-only mode (i.e., when the root MetrixXML/@MemoryOnly = True).</div> <div>The hours (or fractions of hours) required to complete make-ready for each color. Used to calculate the layout cost and time to produce.</div> |            |       |            |              |   |  |

attribute **PressDefinition/@MaxImageableHeight**

|              |                                                                                                                         |            |       |            |              |   |  |
|--------------|-------------------------------------------------------------------------------------------------------------------------|------------|-------|------------|--------------|---|--|
| type         | restriction of <a href="#">LinearDimensionType</a>                                                                      |            |       |            |              |   |  |
| properties   | default 0                                                                                                               |            |       |            |              |   |  |
| facets       | <table><tr><td>Kind</td><td>Value</td><td>Annotation</td></tr><tr><td>minInclusive</td><td>0</td><td></td></tr></table> | Kind       | Value | Annotation | minInclusive | 0 |  |
| Kind         | Value                                                                                                                   | Annotation |       |            |              |   |  |
| minInclusive | 0                                                                                                                       |            |       |            |              |   |  |
| annotation   | documentation<br>Height of the maximum imageable area.                                                                  |            |       |            |              |   |  |

attribute **PressDefinition/@MaxImageableWidth**

|              |                                                                                                                         |            |       |            |              |   |  |
|--------------|-------------------------------------------------------------------------------------------------------------------------|------------|-------|------------|--------------|---|--|
| type         | restriction of <a href="#">LinearDimensionType</a>                                                                      |            |       |            |              |   |  |
| properties   | default 0                                                                                                               |            |       |            |              |   |  |
| facets       | <table><tr><td>Kind</td><td>Value</td><td>Annotation</td></tr><tr><td>minInclusive</td><td>0</td><td></td></tr></table> | Kind       | Value | Annotation | minInclusive | 0 |  |
| Kind         | Value                                                                                                                   | Annotation |       |            |              |   |  |
| minInclusive | 0                                                                                                                       |            |       |            |              |   |  |
| annotation   | documentation<br>Width of the maximum imageable area.                                                                   |            |       |            |              |   |  |

attribute **PressDefinition/@MaxInksBack**

|            |                                                                   |       |            |
|------------|-------------------------------------------------------------------|-------|------------|
| type       | restriction of <b>xs:integer</b>                                  |       |            |
| properties | default                                                           | -1    |            |
| facets     | Kind                                                              | Value | Annotation |
|            | minInclusive                                                      | -1    |            |
|            | maxInclusive                                                      | 99    |            |
| annotation | documentation<br>-1 indicates not used, 0 is not an allowed value |       |            |

attribute **PressDefinition/@MaxInksFront**

|            |                                                                   |       |            |
|------------|-------------------------------------------------------------------|-------|------------|
| type       | restriction of <b>xs:integer</b>                                  |       |            |
| properties | default                                                           | -1    |            |
| facets     | Kind                                                              | Value | Annotation |
|            | minInclusive                                                      | -1    |            |
|            | maxInclusive                                                      | 99    |            |
| annotation | documentation<br>-1 indicates not used, 0 is not an allowed value |       |            |

attribute **PressDefinition/@MaxSheetAcrossCylinder**

|            |                                                                                                                                                                              |               |            |
|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|------------|
| type       | <a href="#">LinearDimension</a> <a href="#">SheetAcrossMinType</a>                                                                                                           |               |            |
| properties | use required                                                                                                                                                                 |               |            |
| facets     | Kind<br>minInclusive                                                                                                                                                         | Value<br>76.2 | Annotation |
| annotation | documentation<br>Required when running in memory-only mode (i.e., when the root MetrixXML/@MemoryOnly = True).<br>The maximum sheet size across the cylinder for this press. |               |            |

attribute **PressDefinition/@MaxSheetAroundCylinder**

|            |                                                                                                                                                                              |       |            |
|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------------|
| type       | <a href="#">LinearDimension</a> <a href="#">SheetAroundMinType</a>                                                                                                           |       |            |
| properties | use required                                                                                                                                                                 |       |            |
| facets     | Kind                                                                                                                                                                         | Value | Annotation |
|            | minInclusive                                                                                                                                                                 | 76.2  |            |
| annotation | documentation<br>Required when running in memory-only mode (i.e., when the root MetrixXML/@MemoryOnly = True).<br>The maximum sheet size around the cylinder for this press. |       |            |

attribute **PressDefinition/@MaxStockThickness**

|            |                                                                                                                                                               |       |            |
|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------------|
| type       | <a href="#">LinearDimension</a> <a href="#">PressStockThicknessType</a>                                                                                       |       |            |
| properties | use required                                                                                                                                                  |       |            |
| facets     | Kind                                                                                                                                                          | Value | Annotation |
|            | minInclusive                                                                                                                                                  | 0     |            |
|            | maxInclusive                                                                                                                                                  | 152.4 |            |
| annotation | documentation<br>Required when running in memory-only mode (i.e., when the root MetrixXML/@MemoryOnly = True).<br>The maximum stock thickness for this press. |       |            |

attribute **PressDefinition/@MinSheetAcrossCylinder**

|            |                                                                                                                                                                              |       |            |
|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------------|
| type       | <a href="#">LinearDimension</a> <a href="#">SheetAcrossMinType</a>                                                                                                           |       |            |
| properties | use required                                                                                                                                                                 |       |            |
| facets     | Kind                                                                                                                                                                         | Value | Annotation |
|            | minInclusive                                                                                                                                                                 | 76.2  |            |
| annotation | documentation<br>Required when running in memory-only mode (i.e., when the root MetrixXML/@MemoryOnly = True).<br>The minimum sheet size across the cylinder for this press. |       |            |

attribute **PressDefinition/@MinSheetAroundCylinder**

|            |                                                                                                                                                                              |       |            |
|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------------|
| type       | <a href="#">LinearDimension</a> <a href="#">SheetAroundMinType</a>                                                                                                           |       |            |
| properties | use required                                                                                                                                                                 |       |            |
| facets     | Kind                                                                                                                                                                         | Value | Annotation |
|            | minInclusive                                                                                                                                                                 | 76.2  |            |
| annotation | documentation<br>Required when running in memory-only mode (i.e., when the root MetrixXML/@MemoryOnly = True).<br>The minimum sheet size around the cylinder for this press. |       |            |

attribute **PressDefinition/@MinStockThickness**

|            |                                                                                                                                                               |       |            |
|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------------|
| type       | <a href="#">LinearDimension</a> <a href="#">PressStockThicknessType</a>                                                                                       |       |            |
| properties | use required                                                                                                                                                  |       |            |
| facets     | Kind                                                                                                                                                          | Value | Annotation |
|            | minInclusive                                                                                                                                                  | 0     |            |
|            | maxInclusive                                                                                                                                                  | 152.4 |            |
| annotation | documentation<br>Required when running in memory-only mode (i.e., when the root MetrixXML/@MemoryOnly = True).<br>The minimum stock thickness for this press. |       |            |

attribute **PressDefinition/@MinWorkAndTurnDryingTime**

|              |                                                                                                                                                                                                                                                                                      |            |       |            |              |   |  |
|--------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|-------|------------|--------------|---|--|
| type         | <a href="#">PressMinWorkAndTurnDryingTimeType</a>                                                                                                                                                                                                                                    |            |       |            |              |   |  |
| properties   | use required                                                                                                                                                                                                                                                                         |            |       |            |              |   |  |
| facets       | <table><tr><td>Kind</td><td>Value</td><td>Annotation</td></tr><tr><td>minInclusive</td><td>0</td><td></td></tr></table>                                                                                                                                                              | Kind       | Value | Annotation | minInclusive | 0 |  |
| Kind         | Value                                                                                                                                                                                                                                                                                | Annotation |       |            |              |   |  |
| minInclusive | 0                                                                                                                                                                                                                                                                                    |            |       |            |              |   |  |
| annotation   | <div>documentation</div> <div>Required when running in memory-only mode (i.e., when the root MetrixXML/@MemoryOnly = True).<br/>The minimum drying time for work-and-turn (and work-and-tumble) layouts for this press. Used to calculate the layout cost and time to produce.</div> |            |       |            |              |   |  |

attribute **PressDefinition/@NonImageBottom**

|            |                                                                                                                                                                                                                     |       |            |
|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------------|
| type       | <a href="#">LinearDimension NonImageAreaType</a>                                                                                                                                                                    |       |            |
| properties | use required                                                                                                                                                                                                        |       |            |
| facets     | Kind                                                                                                                                                                                                                | Value | Annotation |
|            | minInclusive                                                                                                                                                                                                        | 0     |            |
|            | maxInclusive                                                                                                                                                                                                        | 76.2  |            |
| annotation | documentation<br>Required when running in memory-only mode (i.e., when the root MetrixXML/@MemoryOnly = True).<br>The gripper margin at the bottom of the sheet. Metrix will not allow any page bleed in this area. |       |            |

attribute **PressDefinition/@NonImageSide**

|            |                                                                                                                                                                                                                        |       |            |
|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------------|
| type       | <a href="#">LinearDimension NonImageAreaType</a>                                                                                                                                                                       |       |            |
| properties | use required                                                                                                                                                                                                           |       |            |
| facets     | Kind                                                                                                                                                                                                                   | Value | Annotation |
|            | minInclusive                                                                                                                                                                                                           | 0     |            |
|            | maxInclusive                                                                                                                                                                                                           | 76.2  |            |
| annotation | documentation<br>Required when running in memory-only mode (i.e., when the root MetrixXML/@MemoryOnly = True).<br>The non-imageable area on each side of the sheet. Metrix will not allow any page bleed in this area. |       |            |

attribute **PressDefinition/@NonImageTop**

|            |                                                                                                                                                                                                                       |       |            |
|------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------------|
| type       | <a href="#">LinearDimension NonImageAreaType</a>                                                                                                                                                                      |       |            |
| properties | use required                                                                                                                                                                                                          |       |            |
| facets     | Kind                                                                                                                                                                                                                  | Value | Annotation |
|            | minInclusive                                                                                                                                                                                                          | 0     |            |
|            | maxInclusive                                                                                                                                                                                                          | 76.2  |            |
| annotation | documentation<br>Required when running in memory-only mode (i.e., when the root MetrixXML/@MemoryOnly = True).<br>The non-imageable area at the tail of the sheet. Metrix will not allow any page bleed in this area. |       |            |

attribute **PressDefinition/@OverrideAverageRunningSpeed**

|            |                                                                                                                                                                                                         |
|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| type       | <b>xs:nonNegativeInteger</b>                                                                                                                                                                            |
| properties | default 0                                                                                                                                                                                               |
| annotation | <p>documentation</p> <p>If values are set, they are used instead of the normal settings for the press.</p> <p>Can be used when defining a new press via MXML, in either normal or memory-only mode.</p> |

attribute **PressDefinition/@OverrideCostPerPlate**

|            |                                                                                                                                                                                          |
|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| type       | restriction of <b>xs:float</b>                                                                                                                                                           |
| properties | default 0                                                                                                                                                                                |
| facets     | Kind Value Annotation<br>minInclusive 0                                                                                                                                                  |
| annotation | documentation<br>If values are set, they are used instead of the normal settings for the press.<br>Can be used when defining a new press via MXML, in either normal or memory-only mode. |

attribute **PressDefinition/@OverrideHourlyRateMakeReady**

|            |                                                                                                                                                                                          |
|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| type       | <a href="#">PressHourlyRateOverrideType</a>                                                                                                                                              |
| properties | default 0                                                                                                                                                                                |
| facets     | Kind Value Annotation<br>minInclusive 0                                                                                                                                                  |
| annotation | documentation<br>If values are set, they are used instead of the normal settings for the press.<br>Can be used when defining a new press via MXML, in either normal or memory-only mode. |

attribute **PressDefinition/@OverrideHourlyRateNonPerfecting**

|            |                                                                                                                                                                                          |
|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| type       | <a href="#">PressHourlyRateOverrideType</a>                                                                                                                                              |
| properties | default 0                                                                                                                                                                                |
| facets     | Kind Value Annotation<br>minInclusive 0                                                                                                                                                  |
| annotation | documentation<br>If values are set, they are used instead of the normal settings for the press.<br>Can be used when defining a new press via MXML, in either normal or memory-only mode. |

attribute **PressDefinition/@OverrideHourlyRatePerfecting**

|            |                                                                                                                                                                                          |
|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| type       | <a href="#">PressHourlyRateOverrideType</a>                                                                                                                                              |
| properties | default 0                                                                                                                                                                                |
| facets     | Kind Value Annotation<br>minInclusive 0                                                                                                                                                  |
| annotation | documentation<br>If values are set, they are used instead of the normal settings for the press.<br>Can be used when defining a new press via MXML, in either normal or memory-only mode. |

attribute **PressDefinition/@OverrideMakeReadyPerColor**

|            |                                                                                                                                                                                          |
|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| type       | restriction of <b>xs:float</b>                                                                                                                                                           |
| properties | default 0                                                                                                                                                                                |
| facets     | Kind Value Annotation<br>minInclusive 0                                                                                                                                                  |
| annotation | documentation<br>If values are set, they are used instead of the normal settings for the press.<br>Can be used when defining a new press via MXML, in either normal or memory-only mode. |

#### attribute **PressDefinition/@OverrideMinWorkAndTurnDryingTime**

|              |                                                                                                                                                                                                         |            |       |            |              |   |  |
|--------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|-------|------------|--------------|---|--|
| type         | restriction of <b>xs:float</b>                                                                                                                                                                          |            |       |            |              |   |  |
| properties   | default 0                                                                                                                                                                                               |            |       |            |              |   |  |
| facets       | <table><tr><td>Kind</td><td>Value</td><td>Annotation</td></tr><tr><td>minInclusive</td><td>0</td><td></td></tr></table>                                                                                 | Kind       | Value | Annotation | minInclusive | 0 |  |
| Kind         | Value                                                                                                                                                                                                   | Annotation |       |            |              |   |  |
| minInclusive | 0                                                                                                                                                                                                       |            |       |            |              |   |  |
| annotation   | <p>documentation</p> <p>If values are set, they are used instead of the normal settings for the press.</p> <p>Can be used when defining a new press via MXML, in either normal or memory-only mode.</p> |            |       |            |              |   |  |

#### attribute **PressDefinition/@PageTrimBottom**

|            |                                                                                                                                                                                                                                                                                                |       |            |
|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------------|
| type       | <a href="#">LinearDimension</a> <a href="#">PageTrimType</a>                                                                                                                                                                                                                                   |       |            |
| properties | use required                                                                                                                                                                                                                                                                                   |       |            |
| facets     | Kind                                                                                                                                                                                                                                                                                           | Value | Annotation |
|            | minInclusive                                                                                                                                                                                                                                                                                   | 0     |            |
|            | maxInclusive                                                                                                                                                                                                                                                                                   | 76.2  |            |
| annotation | <div>documentation</div> <div>Required when running in memory-only mode (i.e., when the root MetrixXML/@MemoryOnly = True).</div> <div>The amount of space reserved for marks at the gripper edge of the sheet. Metrix will not allow any page trim in this area, but will allow bleeds.</div> |       |            |

#### attribute **PressDefinition/@PageTrimSide**

|            |                                                                                                                                                                                                                                                                                         |       |            |
|------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------------|
| type       | <a href="#">LinearDimension</a> <a href="#">PageTrimType</a>                                                                                                                                                                                                                            |       |            |
| properties | use required                                                                                                                                                                                                                                                                            |       |            |
| facets     | Kind                                                                                                                                                                                                                                                                                    | Value | Annotation |
|            | minInclusive                                                                                                                                                                                                                                                                            | 0     |            |
|            | maxInclusive                                                                                                                                                                                                                                                                            | 76.2  |            |
| annotation | <div>documentation</div> <div>Required when running in memory-only mode (i.e., when the root MetrixXML/@MemoryOnly = True).</div> <div>The amount of space reserved for marks on each side of the sheet. Metrix will not allow any page trim in this area, but will allow bleeds.</div> |       |            |

#### attribute **PressDefinition/@PageTrimTop**

|            |                                                                                                                                                                                                                                                             |          |            |
|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|------------|
| type       | <a href="#">LinearDimension</a> <a href="#">PageTrimType</a>                                                                                                                                                                                                |          |            |
| properties | use                                                                                                                                                                                                                                                         | required |            |
| facets     | Kind                                                                                                                                                                                                                                                        | Value    | Annotation |
|            | minInclusive                                                                                                                                                                                                                                                | 0        |            |
|            | maxInclusive                                                                                                                                                                                                                                                | 76.2     |            |
| annotation | documentation<br>Required when running in memory-only mode (i.e., when the root MetrixXML/@MemoryOnly = True).<br>The amount of space reserved for marks at the tail of the sheet. Metrix will not allow any page trim in this area, but will allow bleeds. |          |            |

#### attribute **PressDefinition/@Perfects**

|            |                                                                                                                                                                                     |
|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| type       | <b>xs:boolean</b>                                                                                                                                                                   |
| properties | use required                                                                                                                                                                        |
| annotation | <p>documentation</p> <p>Required when running in memory-only mode (i.e., when the root MetrixXML/@MemoryOnly = True).</p> <p>Whether or not the press is capable of perfecting.</p> |

attribute **PressDefinition/@PlateBrand**

|            |                                                                                                                                                             |       |            |
|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------------|
| type       | <a href="#">TextType Max</a>                                                                                                                                |       |            |
| facets     | Kind                                                                                                                                                        | Value | Annotation |
|            | minLength                                                                                                                                                   | 0     |            |
|            | maxLength                                                                                                                                                   | 250   |            |
| annotation | documentation<br>Required when running in memory-only mode (i.e., when the root MetrixXML/@MemoryOnly = True).<br>Optional field used in some exported JDF. |       |            |

attribute **PressDefinition/@PlateSizeAcrossCylinder**

|            |                                                                                                                                                                                          |       |            |
|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------------|
| type       | <a href="#">LinearDimension PlateAcrossMinType</a>                                                                                                                                       |       |            |
| properties | default                                                                                                                                                                                  | 0     |            |
| facets     | Kind                                                                                                                                                                                     | Value | Annotation |
|            | minInclusive                                                                                                                                                                             | 0     |            |
| annotation | documentation<br>Required if doesUsePlates=true.<br>Required when running in memory-only mode (i.e., when the root MetrixXML/@MemoryOnly = True).<br>The plate size across the cylinder. |       |            |

attribute **PressDefinition/@PlateSizeAroundCylinder**

|            |                                                                                                                                                                                          |       |            |
|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------------|
| type       | <a href="#">LinearDimension PlateAroundMinType</a>                                                                                                                                       |       |            |
| properties | default                                                                                                                                                                                  | 0     |            |
| facets     | Kind                                                                                                                                                                                     | Value | Annotation |
|            | minInclusive                                                                                                                                                                             | 0     |            |
| annotation | documentation<br>Required if doesUsePlates=true.<br>Required when running in memory-only mode (i.e., when the root MetrixXML/@MemoryOnly = True).<br>The plate size around the cylinder. |       |            |

attribute **PressDefinition/@PlateThickness**

|            |                                                                                                                                                                                                                         |       |            |
|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------------|
| type       | <a href="#">LinearDimension PlateThicknessType</a>                                                                                                                                                                      |       |            |
| facets     | Kind                                                                                                                                                                                                                    | Value | Annotation |
|            | minInclusive                                                                                                                                                                                                            | 0.01  |            |
|            | maxInclusive                                                                                                                                                                                                            | 6.35  |            |
| annotation | documentation<br>Required if doesUsePlates=true.<br>Required when running in memory-only mode (i.e., when the root MetrixXML/@MemoryOnly = True).<br>The plate thickness, in measurement units (inches or millimeters). |       |            |

attribute **PressDefinition/@ServerName**

|        |                              |       |            |
|--------|------------------------------|-------|------------|
| type   | <a href="#">TextType Max</a> |       |            |
| facets | Kind                         | Value | Annotation |
|        | minLength                    | 0     |            |
|        | maxLength                    | 250   |            |

attribute **PressDefinition/@SheetSetBack**

|      |                                                  |  |  |
|------|--------------------------------------------------|--|--|
| type | <a href="#">LinearDimension SheetSetBackType</a> |  |  |
|------|--------------------------------------------------|--|--|

|            |                                                                                                                                                                                                                                                                                                                           |       |            |
|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------------|
| properties | use required                                                                                                                                                                                                                                                                                                              |       |            |
| facets     | Kind                                                                                                                                                                                                                                                                                                                      | Value | Annotation |
|            | minInclusive                                                                                                                                                                                                                                                                                                              | 0     |            |
|            | maxInclusive                                                                                                                                                                                                                                                                                                              | 152.4 |            |
| annotation | documentation<br>Required when running in memory-only mode (i.e., when the root MetrixXML/@MemoryOnly = True).<br>The vertical distance from the bottom of the plate edge to the bottom of the press sheet edge. This property is only used when exporting to Imposed PDF or JDF, when Impose To Press Plate is selected. |       |            |

attribute **PressDefinition/@SubType**

|        |                              |       |            |
|--------|------------------------------|-------|------------|
| type   | <a href="#">TextType Max</a> |       |            |
| facets | Kind                         | Value | Annotation |
|        | minLength                    | 0     |            |
|        | maxLength                    | 250   |            |

complexType **ProductContentType**

|            |                                                                                            |                              |     |         |       |                                                                                                                                                                                                                                 |
|------------|--------------------------------------------------------------------------------------------|------------------------------|-----|---------|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| used by    | elements <a href="#">Content2ndUp</a> <a href="#">Content3rdUp</a> <a href="#">Product</a> |                              |     |         |       |                                                                                                                                                                                                                                 |
| attributes | Name                                                                                       | Type                         | Use | Default | Fixed | Annotation                                                                                                                                                                                                                      |
|            | <a href="#">ContentFile</a>                                                                | <a href="#">TextType Max</a> |     |         |       | documentation<br>Single content file, can't be used with FrontContentFile or BackContentFile. A string that identifies a PDF content file for a flat or folded product as an absolute path and file name. Up to 250 characters. |
|            | <a href="#">FrontContentFile</a>                                                           | <a href="#">TextType Max</a> |     |         |       | documentation<br>Used with BackContentFile, must not be used with ContentFile                                                                                                                                                   |
|            | <a href="#">BackContentFile</a>                                                            | <a href="#">TextType Max</a> |     |         |       | documentation<br>Used with FrontContentFile, must not be used with ContentFile                                                                                                                                                  |
|            | <a href="#">TextContentFile</a>                                                            | <a href="#">TextType Max</a> |     |         |       | documentation<br>May only be used for Bound products. (overrides ContentFile). A string that identifies a PDF content file for a bound product's text as an absolute path and file name. A bound product's                      |

|  |                                         |                                         |                                                                                                                                                                                                                                                                                                                                                 |
|--|-----------------------------------------|-----------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | <a href="#">CoverContentFile</a>        | <a href="#">TextType Max</a>            | text is defined as all components whose Cover = False. Up to 250 characters.<br>documentation<br>May only be used for Bound products.<br>A string that identifies a PDF content file for a bound product's cover as an absolute path and file name. A cover is a component whose Cover = True. Up to 250 characters.<br>documentation           |
|  | <a href="#">ContentPositionRule</a>     | <a href="#">ContentPositionRuleType</a> | Non-Bound products only. Determines how to position PDF content file pages for a flat or folded product. If not supplied, defaults to the user-defined default in Metrix. This rule is not tested when importing MXML into Metrix, but is tested when exporting any prepress data (Imposed PDF or JDF Imposition).<br>documentation             |
|  | <a href="#">TextContentPositionRule</a> | <a href="#">ContentPositionRuleType</a> | Bound Products only. Determines how to position PDF content file pages for a bound product's text. If not supplied, defaults to the user-defined default in Metrix. This rule is not tested when importing MXML into Metrix, but is tested when exporting any prepress data (Imposed PDF or JDF Imposition).<br>documentation<br>Determines how |

|  |                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|--|----------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | <a href="#">CoverContentPositionRule</a> <a href="#">ContentPositionRuleType</a> | <p>to position PDF content file pages for a bound product's text. If not supplied, defaults to the user-defined default in Metrix. This rule is not tested when importing MXML into Metrix, but is tested when exporting any prepress data (Imposed PDF or JDF Imposition). documentation Bound Products only.</p> <p>Determines how to position PDF content file pages for a bound product's cover. If not supplied, defaults to the user-defined default in Metrix. This rule is not tested when importing MXML into Metrix, but is tested when exporting any prepress data (Imposed PDF or JDF Imposition).</p> |
|--|----------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

attribute **ProductContentType/@ContentFile**

|            |                                                                                                                                                                                                                                 |       |            |
|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------------|
| type       | <a href="#">TextType Max</a>                                                                                                                                                                                                    |       |            |
| facets     | Kind                                                                                                                                                                                                                            | Value | Annotation |
|            | minLength                                                                                                                                                                                                                       | 0     |            |
|            | maxLength                                                                                                                                                                                                                       | 250   |            |
| annotation | documentation<br>Single content file, can't be used with FrontContentFile or BackContentFile. A string that identifies a PDF content file for a flat or folded product as an absolute path and file name. Up to 250 characters. |       |            |

attribute **ProductContentType/@FrontContentFile**

|            |                                                                               |       |            |
|------------|-------------------------------------------------------------------------------|-------|------------|
| type       | <a href="#">TextType Max</a>                                                  |       |            |
| facets     | Kind                                                                          | Value | Annotation |
|            | minLength                                                                     | 0     |            |
|            | maxLength                                                                     | 250   |            |
| annotation | documentation<br>Used with BackContentFile, must not be used with ContentFile |       |            |

attribute **ProductContentType/@BackContentFile**

|            |                                                                                |       |            |
|------------|--------------------------------------------------------------------------------|-------|------------|
| type       | <a href="#">TextType Max</a>                                                   |       |            |
| facets     | Kind                                                                           | Value | Annotation |
|            | minLength                                                                      | 0     |            |
|            | maxLength                                                                      | 250   |            |
| annotation | documentation<br>Used with FrontContentFile, must not be used with ContentFile |       |            |

attribute **ProductContentType/@TextContentFile**

|            |                                                                                                                                                                                                                                                                                            |       |            |
|------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------------|
| type       | <a href="#">TextType Max</a>                                                                                                                                                                                                                                                               |       |            |
| facets     | Kind                                                                                                                                                                                                                                                                                       | Value | Annotation |
|            | minLength                                                                                                                                                                                                                                                                                  | 0     |            |
|            | maxLength                                                                                                                                                                                                                                                                                  | 250   |            |
| annotation | documentation<br>May only be used for Bound products. (overrides ContentFile).<br>A string that identifies a PDF content file for a bound product's text as an absolute path and file name. A bound product's text is defined as all components whose Cover = False. Up to 250 characters. |       |            |

attribute **ProductContentType/@CoverContentFile**

|            |                                                                                                                                                                                                                                      |       |            |
|------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------------|
| type       | <a href="#">TextType Max</a>                                                                                                                                                                                                         |       |            |
| facets     | Kind                                                                                                                                                                                                                                 | Value | Annotation |
|            | minLength                                                                                                                                                                                                                            | 0     |            |
|            | maxLength                                                                                                                                                                                                                            | 250   |            |
| annotation | documentation<br>May only be used for Bound products.<br>A string that identifies a PDF content file for a bound product's cover as an absolute path and file name. A cover is a component whose Cover = True. Up to 250 characters. |       |            |

attribute **ProductContentType/@ContentPositionRule**

|            |                                                                                                                                                                                                                                                                                                                                        |                               |            |
|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|------------|
| type       | <a href="#">ContentPositionRuleType</a>                                                                                                                                                                                                                                                                                                |                               |            |
| facets     | Kind                                                                                                                                                                                                                                                                                                                                   | Value                         | Annotation |
|            | enumeration                                                                                                                                                                                                                                                                                                                            | MatchPageTrimboxSizeAndCenter |            |
|            | enumeration                                                                                                                                                                                                                                                                                                                            | CenterEachPage                |            |
|            | enumeration                                                                                                                                                                                                                                                                                                                            | CenterEachPageTrimbox         |            |
| annotation | documentation<br>Non-Bound products only.<br>Determines how to position PDF content file pages for a flat or folded product. If not supplied, defaults to the user-defined default in Metrix. This rule is not tested when importing MXML into Metrix, but is tested when exporting any prepress data (Imposed PDF or JDF Imposition). |                               |            |

attribute **ProductContentType/@TextContentPositionRule**

|            |                                                                                                                                                                                                                                                                                                                                  |                               |            |
|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|------------|
| type       | <a href="#">ContentPositionRuleType</a>                                                                                                                                                                                                                                                                                          |                               |            |
| facets     | Kind                                                                                                                                                                                                                                                                                                                             | Value                         | Annotation |
|            | enumeration                                                                                                                                                                                                                                                                                                                      | MatchPageTrimboxSizeAndCenter |            |
|            | enumeration                                                                                                                                                                                                                                                                                                                      | CenterEachPage                |            |
|            | enumeration                                                                                                                                                                                                                                                                                                                      | CenterEachPageTrimbox         |            |
| annotation | documentation<br>Bound Products only.<br>Determines how to position PDF content file pages for a bound product's text. If not supplied, defaults to the user-defined default in Metrix. This rule is not tested when importing MXML into Metrix, but is tested when exporting any prepress data (Imposed PDF or JDF Imposition). |                               |            |

|  |                                                                                                                                                                                                                                                                                                          |
|--|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | documentation<br>Determines how to position PDF content file pages for a bound product's text. If not supplied, defaults to the user-defined default in Metrix. This rule is not tested when importing MXML into Metrix, but is tested when exporting any prepress data (Imposed PDF or JDF Imposition). |
|--|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

#### attribute **ProductContentType/@CoverContentPositionRule**

|                                                            |                                                                                                                                                                                                                                                                                                                                                              |                               |            |
|------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|------------|
| Attribute: ProductContentRuleType, ContentPositionRuleType |                                                                                                                                                                                                                                                                                                                                                              |                               |            |
| type                                                       | <a href="#">ContentPositionRuleType</a>                                                                                                                                                                                                                                                                                                                      |                               |            |
| facets                                                     | Kind                                                                                                                                                                                                                                                                                                                                                         | Value                         | Annotation |
|                                                            | enumeration                                                                                                                                                                                                                                                                                                                                                  | MatchPageTrimboxSizeAndCenter |            |
|                                                            | enumeration                                                                                                                                                                                                                                                                                                                                                  | CenterEachPage                |            |
|                                                            | enumeration                                                                                                                                                                                                                                                                                                                                                  | CenterEachPageTrimbox         |            |
| annotation                                                 | <div>documentation</div> <div>Bound Products only.</div> <div>Determines how to position PDF content file pages for a bound product's cover. If not supplied, defaults to the user-defined default in Metrix. This rule is not tested when importing MXML into Metrix, but is tested when exporting any prepress data (Imposed PDF or JDF Imposition).</div> |                               |            |

#### complexType **ProofingLine**

|            |                          |                                                                                  |          |         |       |                                                                                  |
|------------|--------------------------|----------------------------------------------------------------------------------|----------|---------|-------|----------------------------------------------------------------------------------|
| children   | <a href="#">InkRef</a>   |                                                                                  |          |         |       |                                                                                  |
| used by    | elements                 | <a href="#">ProofingLines/BleedLines</a> <a href="#">ProofingLines/TrimLines</a> |          |         |       |                                                                                  |
| attributes | Name                     | Type                                                                             | Use      | Default | Fixed | Annotation                                                                       |
|            | <a href="#">LineType</a> | <a href="#">ProofLineTypeType</a>                                                | required |         |       | documentation<br>Draws a line of the selected type around the trim of each page. |

#### attribute **ProofingLine/@LineType**

|            |                                                                                  |             |            |
|------------|----------------------------------------------------------------------------------|-------------|------------|
| type       | <a href="#">ProofLineTypeType</a>                                                |             |            |
| properties | use                                                                              | required    |            |
| facets     | Kind                                                                             | Value       | Annotation |
|            | enumeration                                                                      | Solid       |            |
|            | enumeration                                                                      | LongDashed  |            |
|            | enumeration                                                                      | ShortDashed |            |
| annotation | documentation<br>Draws a line of the selected type around the trim of each page. |             |            |

#### element **ProofingLine/InkRef**

|            |                                                  |                           |     |         |       |            |
|------------|--------------------------------------------------|---------------------------|-----|---------|-------|------------|
| type       | <a href="#">ResourceRefElementType</a>           |                           |     |         |       |            |
| properties | minOcc                                           | 0                         |     |         |       |            |
|            | maxOcc                                           | 1                         |     |         |       |            |
|            | content                                          | complex                   |     |         |       |            |
| attributes | Name                                             | Type                      | Use | Default | Fixed | Annotation |
|            | <a href="#">rRef</a>                             | <a href="#">RefIDType</a> |     |         |       |            |
| annotation | documentation<br>A reference to the Ink element. |                           |     |         |       |            |

## complexType **ResourceRefElementType**

|            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                   |     |         |       |            |
|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|-----|---------|-------|------------|
| used by    | elements <a href="#">LineMark/AllSeparationsMarkColorRef</a> <a href="#">MarkColorType/AllSeparationsMarkColorRef</a> <a href="#">RectangleMark/AllSeparationsMarkColorRef</a> <a href="#">Product/BindingMachineRef</a> <a href="#">ProcessColorMarkColor/CMYKColorRef</a> <a href="#">Ink/CMYKColorRef</a> <a href="#">ParentComponent/ComponentRef</a> <a href="#">Product/CustomerContactRef</a> <a href="#">ApplyCutterAlignmentMarks/CutterAlignmentMarkGroupRef</a> <a href="#">Component/DieCutterToolRef</a> <a href="#">TextFolds/FoldingSchemeRef</a> <a href="#">CoverFoldingScheme/FoldingSchemeRef</a> <a href="#">Component/FoldingSchemeRef</a> <a href="#">SheetSide/InkRef</a> <a href="#">BarcodeProperties/InkRef</a> <a href="#">ExternalFoldMarks/InkRef</a> <a href="#">InternalFoldMarks/InkRef</a> <a href="#">TrimMarks/InkRef</a> <a href="#">TextInkPool/InkRef</a> <a href="#">ProofingLine/InkRef</a> <a href="#">BackInkPool/InkRef</a> <a href="#">Page/InkRef</a> <a href="#">CoverInsideInkPool/InkRef</a> <a href="#">CoverOutsideInkPool/InkRef</a> <a href="#">FrontInkPool/InkRef</a> <a href="#">PageDefaults/InkRef</a> <a href="#">FileMark/MarkFileRef</a> <a href="#">NUPFoldedChildPool/NUPFoldedChildComponentRef</a> <a href="#">ApplyCutterAlignmentMarks/PressRef</a> <a href="#">RectangleMark/ProcessColorMarkColorRef</a> <a href="#">LineMark/ProcessColorMarkColorRef</a> <a href="#">MarkColorType/ProcessColorMarkColorRef</a> <a href="#">Component/ProductGroupRef</a> <a href="#">SheetSide/RampageWorkflowRef</a> <a href="#">Page/RampageWorkflowRef</a> <a href="#">LineMark/SpotColorMarkColorRef</a> <a href="#">RectangleMark/SpotColorMarkColorRef</a> <a href="#">MarkColorType/SpotColorMarkColorRef</a> <a href="#">Component/StockRef</a> <a href="#">TextStock/StockRef</a> <a href="#">CoverStock/StockRef</a> <a href="#">StockSheetRef</a> |                                   |     |         |       |            |
| attributes | Name<br><a href="#">rRef</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Type<br><a href="#">RefIDType</a> | Use | Default | Fixed | Annotation |

## attribute **ResourceRefElementType/@rRef**

|        |                           |       |            |
|--------|---------------------------|-------|------------|
| type   | <a href="#">RefIDType</a> |       |            |
| facets | Kind                      | Value | Annotation |
|        | minLength                 | 0     |            |
|        | maxLength                 | 250   |            |

## simpleType **AddingMarkSetAndTheLayoutAlreadyHasMarks**

|            |                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                       |            |
|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------|------------|
| type       | restriction of <b>xs:string</b>                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                       |            |
| properties | base                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <b>xs:string</b>                                                      |            |
| used by    | attribute                                                                                                                                                                                                                                                                                                                                                                                                                                                  | <a href="#">AutoMarks/@IfAddingMarkSetAndTheLayoutAlreadyHasMarks</a> |            |
| facets     | Kind                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Value                                                                 | Annotation |
|            | enumeration                                                                                                                                                                                                                                                                                                                                                                                                                                                | DeleteAllExistingMarks                                                |            |
|            | enumeration                                                                                                                                                                                                                                                                                                                                                                                                                                                | DoNotApplyAnyMatchingMarkSets                                         |            |
|            | enumeration                                                                                                                                                                                                                                                                                                                                                                                                                                                | StillAddAnyMatchingMarkSets                                           |            |
| annotation | documentation<br>If any matching Mark Set is being added to a layout that already has marks (presumably from a previously successful Apply Standards command) this attribute determines what should happen to the previous marks.<br><br>DeleteAllExistingMarks: All previous marks are deleted.<br>DoNotApplyAnyMatchingMarkSets: No Mark Sets are adding to the layout so the pre-existing marks are left alone.<br>StillAddAnyMatchingMarkSets: Default |                                                                       |            |

## simpleType **AlgorithmType**

|            |                                                                           |                                     |            |
|------------|---------------------------------------------------------------------------|-------------------------------------|------------|
| type       | restriction of <b>xs:string</b>                                           |                                     |            |
| properties | base                                                                      | <b>xs:string</b>                    |            |
| used by    | attribute                                                                 | <a href="#">AutoPlan/@Algorithm</a> |            |
| facets     | Kind                                                                      | Value                               | Annotation |
|            | enumeration                                                               | Classic                             |            |
|            | enumeration                                                               | SameSize                            |            |
|            | enumeration                                                               | Automatic                           |            |
|            | enumeration                                                               | DisplayGraphics                     |            |
|            | enumeration                                                               | MediaOptimization                   |            |
| annotation | documentation<br>Algorithm to use when performing AutoPlan or AutoLayout. |                                     |            |

### simpleType **AnchorImposeType**

|            |                                 |                                              |            |
|------------|---------------------------------|----------------------------------------------|------------|
| type       | restriction of <b>xs:string</b> |                                              |            |
| properties | base                            | xs:string                                    |            |
| used by    | attribute                       | <a href="#">GroupAttrExportJDF/@ImposeTo</a> |            |
| facets     | Kind                            | Value                                        | Annotation |
|            | enumeration                     | PressPlate                                   |            |
|            | enumeration                     | PressSheet                                   |            |

### simpleType **AnchorObjectType**

|            |                                 |                                              |            |
|------------|---------------------------------|----------------------------------------------|------------|
| type       | restriction of <b>xs:string</b> |                                              |            |
| properties | base                            | xs:string                                    |            |
| used by    | attribute                       | <a href="#">GroupAttrExportPDF/@ImposeTo</a> |            |
| facets     | Kind                            | Value                                        | Annotation |
|            | enumeration                     | PressPlate                                   |            |
|            | enumeration                     | PressSheet                                   |            |
|            | enumeration                     | ProductTrim                                  |            |
|            | enumeration                     | Component Trim                               |            |

### simpleType **AnchorPointType**

|            |                                 |                                                 |            |
|------------|---------------------------------|-------------------------------------------------|------------|
| type       | restriction of <b>xs:string</b> |                                                 |            |
| properties | base                            | xs:string                                       |            |
| used by    | attribute                       | <a href="#">DieCutterToolDefinition/@Anchor</a> |            |
| facets     | Kind                            | Value                                           | Annotation |
|            | enumeration                     | Center                                          |            |
|            | enumeration                     | Top                                             |            |
|            | enumeration                     | TopRight                                        |            |
|            | enumeration                     | Right                                           |            |
|            | enumeration                     | BottomRight                                     |            |
|            | enumeration                     | Bottom                                          |            |
|            | enumeration                     | Bottomleft                                      |            |
|            | enumeration                     | Left                                            |            |
|            | enumeration                     | TopLeft                                         |            |

### simpleType **AuditEvent**

|            |                                 |                              |            |
|------------|---------------------------------|------------------------------|------------|
| type       | restriction of <b>xs:string</b> |                              |            |
| properties | base                            | xs:string                    |            |
| used by    | attribute                       | <a href="#">Audit/@Event</a> |            |
| facets     | Kind                            | Value                        | Annotation |
|            | enumeration                     | Created                      |            |
|            | enumeration                     | Edited                       |            |
|            | enumeration                     | Error                        |            |

### simpleType **AutoCenterVerticallyType**

|            |                                                                 |                       |            |
|------------|-----------------------------------------------------------------|-----------------------|------------|
| type       | restriction of <b>xs:string</b>                                 |                       |            |
| properties | base <b>xs:string</b>                                           |                       |            |
| used by    | attribute <a href="#">GroupAttrLayout/@AutoCenterVertically</a> |                       |            |
| facets     | Kind                                                            | Value                 | Annotation |
|            | enumeration                                                     | False                 |            |
|            | enumeration                                                     | CenterOnSheet         |            |
|            | enumeration                                                     | CenterInImageableArea |            |

### simpleType **BarcodeUnitsType**

|            |                                                                                                                                |             |            |
|------------|--------------------------------------------------------------------------------------------------------------------------------|-------------|------------|
| type       | restriction of <b>xs:string</b>                                                                                                |             |            |
| properties | base <b>xs:string</b>                                                                                                          |             |            |
| used by    | attributes <a href="#">BarcodeProperties/@UIDisplayMeasurementUnit</a> <a href="#">BarcodeParams/@UIDisplayMeasurementUnit</a> |             |            |
| facets     | Kind                                                                                                                           | Value       | Annotation |
|            | enumeration                                                                                                                    | Millimeters |            |
|            | enumeration                                                                                                                    | Inches      |            |
|            | enumeration                                                                                                                    | Points      |            |

### simpleType **BinderLapEdgeType**

|            |                                                                                                                     |        |            |
|------------|---------------------------------------------------------------------------------------------------------------------|--------|------------|
| type       | restriction of <b>xs:string</b>                                                                                     |        |            |
| properties | base <b>xs:string</b>                                                                                               |        |            |
| used by    | attributes <a href="#">BindingMachineDefinition/@CoverLapEdge</a> <a href="#">BindingMachineDefinition/@LapEdge</a> |        |            |
| facets     | Kind                                                                                                                | Value  | Annotation |
|            | enumeration                                                                                                         | Either |            |
|            | enumeration                                                                                                         | Front  |            |
|            | enumeration                                                                                                         | Back   |            |
|            | enumeration                                                                                                         | None   |            |

### simpleType **BindingNumberUpType**

|            |                                                    |       |            |
|------------|----------------------------------------------------|-------|------------|
| type       | restriction of <b>xs:integer</b>                   |       |            |
| properties | base <b>xs:integer</b>                             |       |            |
| used by    | attribute <a href="#">Product/@BindingNumberUp</a> |       |            |
| facets     | Kind                                               | Value | Annotation |
|            | minInclusive                                       | 1     |            |
|            | maxInclusive                                       | 3     |            |

### simpleType **CMYKRangeType**

|            |                                                                                                                                                  |       |            |
|------------|--------------------------------------------------------------------------------------------------------------------------------------------------|-------|------------|
| type       | restriction of <b>xs:integer</b>                                                                                                                 |       |            |
| properties | base <b>xs:integer</b>                                                                                                                           |       |            |
| used by    | attributes <a href="#">CMYKColor/@Black</a> <a href="#">CMYKColor/@Cyan</a> <a href="#">CMYKColor/@Magenta</a> <a href="#">CMYKColor/@Yellow</a> |       |            |
| facets     | Kind                                                                                                                                             | Value | Annotation |
|            | minInclusive                                                                                                                                     | 0     |            |
|            | maxInclusive                                                                                                                                     | 100   |            |

### simpleType **ColorToPlatePropertyType**

|            |                                                      |                  |            |
|------------|------------------------------------------------------|------------------|------------|
| type       | restriction of <b>xs:string</b>                      |                  |            |
| properties | base <b>xs:string</b>                                |                  |            |
| used by    | attribute <a href="#">ColorMapRuleItem/@property</a> |                  |            |
| facets     | Kind                                                 | Value            | Annotation |
|            | enumeration                                          | All_Layouts      |            |
|            | enumeration                                          | Selected_Layouts |            |
|            | enumeration                                          | Do_Not_Produce   |            |

### simpleType **ComponentPriorityType**

|            |                                               |       |            |
|------------|-----------------------------------------------|-------|------------|
| type       | restriction of <b>xs:integer</b>              |       |            |
| properties | base <b>xs:integer</b>                        |       |            |
| used by    | attribute <a href="#">Component/@Priority</a> |       |            |
| facets     | Kind                                          | Value | Annotation |
|            | minInclusive                                  | 1     |            |
|            | maxInclusive                                  | 10    |            |

### simpleType **ComponentSelectionType**

|            |                                                        |          |            |
|------------|--------------------------------------------------------|----------|------------|
| type       | restriction of <b>xs:string</b>                        |          |            |
| properties | base <b>xs:string</b>                                  |          |            |
| used by    | attribute <a href="#">AutoPlan/@ComponentSelection</a> |          |            |
| facets     | Kind                                                   | Value    | Annotation |
|            | enumeration                                            | All      |            |
|            | enumeration                                            | Selected |            |
|            | enumeration                                            | Tagged   |            |
|            | enumeration                                            | Filtered |            |

### simpleType **ContentCheckType**

|            |                                                                                                                                                    |                   |            |
|------------|----------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|------------|
| type       | restriction of <b>xs:string</b>                                                                                                                    |                   |            |
| properties | base <b>xs:string</b>                                                                                                                              |                   |            |
| used by    | attributes <a href="#">CheckProductContent/@IfAnyProductContentIsNotAvailable</a><br><a href="#">CheckProductContent/@IfAnyProductHasNoContent</a> |                   |            |
| facets     | Kind                                                                                                                                               | Value             | Annotation |
|            | enumeration                                                                                                                                        | Ignore            |            |
|            | enumeration                                                                                                                                        | DisallowExporting |            |
|            | enumeration                                                                                                                                        | Fail              |            |

### simpleType **ContentPositionRuleType**

|            |                                                                                                                                                                                                                                          |  |  |
|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|
| type       | restriction of <b>xs:string</b>                                                                                                                                                                                                          |  |  |
| properties | base <b>xs:string</b>                                                                                                                                                                                                                    |  |  |
| used by    | attributes <a href="#">Page/@ContentPositionRule</a> <a href="#">ProductContentType/@ContentPositionRule</a><br><a href="#">ProductContentType/@CoverContentPositionRule</a> <a href="#">ProductContentType/@TextContentPositionRule</a> |  |  |

|            |                                                                                                                                                                                                                                                                                  |                               |            |
|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|------------|
| facets     | Kind                                                                                                                                                                                                                                                                             | Value                         | Annotation |
|            | enumeration                                                                                                                                                                                                                                                                      | MatchPageTrimboxSizeAndCenter |            |
|            | enumeration                                                                                                                                                                                                                                                                      | CenterEachPage                |            |
|            | enumeration                                                                                                                                                                                                                                                                      | CenterEachPageTrimbox         |            |
| annotation | documentation                                                                                                                                                                                                                                                                    |                               |            |
|            | MatchPageTrimboxSizeAndCenter: Metrix requires each page in the PDF content file have a trimbox that matches the Metrix page size and positions each content page accordingly.                                                                                                   |                               |            |
|            | CenterEachPageTrimbox: Metrix requires each page in the PDF content file have a trimbox that does not necessarily match the Metrix page size. Metrix centers the PDF page trimbox on the Metrix page, and crops any PDF content falling outside the Metrix page size plus bleed. |                               |            |
|            | CenterEachPage: Metrix does not test each page in the PDF content file for a trimbox and simply centers the PDF page on the Metrix page, and crops any PDF content falling outside the Metrix page size plus bleed.                                                              |                               |            |

### simpleType **ContentTypeType**

|            |                                 |                                   |            |
|------------|---------------------------------|-----------------------------------|------------|
| type       | restriction of <b>xs:string</b> |                                   |            |
| properties | base                            | xs:string                         |            |
| used by    | attribute                       | <a href="#">Page/@ContentType</a> |            |
| facets     | Kind                            | Value                             | Annotation |
|            | enumeration                     | Unassigned                        |            |
|            | enumeration                     | Assigned                          |            |
|            | enumeration                     | Blank                             |            |

### simpleType **CUDType**

|            |                                 |                                                          |            |
|------------|---------------------------------|----------------------------------------------------------|------------|
| type       | restriction of <b>xs:string</b> |                                                          |            |
| properties | base                            | xs:string                                                |            |
| used by    | attributes                      | <a href="#">User/@CUD</a> <a href="#">PlantBase/@CUD</a> |            |
| facets     | Kind                            | Value                                                    | Annotation |
|            | enumeration                     | Create                                                   |            |
|            | enumeration                     | Update                                                   |            |
|            | enumeration                     | Delete                                                   |            |

### simpleType **CutterLiftWeightType**

|            |                                |                                                         |            |
|------------|--------------------------------|---------------------------------------------------------|------------|
| type       | restriction of <b>xs:float</b> |                                                         |            |
| properties | base                           | xs:float                                                |            |
| used by    | attribute                      | <a href="#">CuttingMachineDefinition/@MaxLiftWeight</a> |            |
| facets     | Kind                           | Value                                                   | Annotation |
|            | minInclusive                   | 0.1                                                     |            |
|            | maxInclusive                   | 1000                                                    |            |

### simpleType **CutterOverrideType**

|            |                                 |                                          |            |
|------------|---------------------------------|------------------------------------------|------------|
| type       | restriction of <b>xs:string</b> |                                          |            |
| properties | base                            | xs:string                                |            |
| used by    | attribute                       | <a href="#">LayoutDefinition/@Cutter</a> |            |
| facets     | Kind                            | Value                                    | Annotation |

|  |             |      |
|--|-------------|------|
|  | enumeration | None |
|--|-------------|------|

### simpleType **EdgeType**

|            |                                 |                                  |
|------------|---------------------------------|----------------------------------|
| type       | restriction of <b>xs:string</b> |                                  |
| properties | base                            | xs:string                        |
| used by    | attribute                       | <a href="#">OffcutFlap/@Edge</a> |
| facets     | Kind                            | Value      Annotation            |
|            | enumeration                     | Top                              |
|            | enumeration                     | Bottom                           |
|            | enumeration                     | Left                             |
|            | enumeration                     | Right                            |

### simpleType **EskolCutOutputFormatType**

|            |                                 |                                      |
|------------|---------------------------------|--------------------------------------|
| type       | restriction of <b>xs:string</b> |                                      |
| properties | base                            | xs:string                            |
| used by    | attribute                       | <a href="#">ExportlCut/@ExportAs</a> |
| facets     | Kind                            | Value      Annotation                |
|            | enumeration                     | OneFile                              |
|            | enumeration                     | SeparateFileForEachLayout            |

### simpleType **ExportDataForType**

|            |                                 |                                                |
|------------|---------------------------------|------------------------------------------------|
| type       | restriction of <b>xs:string</b> |                                                |
| properties | base                            | xs:string                                      |
| used by    | attribute                       | <a href="#">ExportMetrixXML/@ExportDataFor</a> |
| facets     | Kind                            | Value      Annotation                          |
|            | enumeration                     | WholeProject                                   |
|            | enumeration                     | AllProducts                                    |
|            | enumeration                     | SelectedProducts                               |
| annotation | documentation                   | What data the MXML file should include.        |

### simpleType **ExportStatusType**

|            |                                 |                                                         |
|------------|---------------------------------|---------------------------------------------------------|
| type       | restriction of <b>xs:string</b> |                                                         |
| properties | base                            | xs:string                                               |
| used by    | attribute                       | <a href="#">CheckProject/@OnlyExportIfStatusAtLeast</a> |
| facets     | Kind                            | Value      Annotation                                   |
|            | enumeration                     | OK                                                      |
|            | enumeration                     | Warning                                                 |
|            | enumeration                     | Error                                                   |

### simpleType **FoldDirType**

|      |                                 |  |
|------|---------------------------------|--|
| type | restriction of <b>xs:string</b> |  |
|------|---------------------------------|--|

|            |             |                                 |
|------------|-------------|---------------------------------|
| properties | base        | xs:string                       |
| used by    | attribute   | <a href="#">Fold/@Direction</a> |
| facets     | Kind        | Value Annotation                |
|            | enumeration | Up                              |
|            | enumeration | Down                            |

#### simpleType **FoldFromType**

|            |                                 |                            |
|------------|---------------------------------|----------------------------|
| type       | restriction of <b>xs:string</b> |                            |
| properties | base                            | xs:string                  |
| used by    | attribute                       | <a href="#">Fold/@From</a> |
| facets     | Kind                            | Value Annotation           |
|            | enumeration                     | Top                        |
|            | enumeration                     | Bottom                     |
|            | enumeration                     | Left                       |
|            | enumeration                     | Right                      |

#### simpleType **ISO8601DateType**

|            |                               |                                                                                         |
|------------|-------------------------------|-----------------------------------------------------------------------------------------|
| type       | restriction of <b>xs:date</b> |                                                                                         |
| properties | base                          | xs:date                                                                                 |
| used by    | attributes                    | <a href="#">Product/@CustomerRequiredDate</a> <a href="#">Component/@ProductionDate</a> |

#### simpleType **JDFCuttingOutputFormatType**

|            |                                 |                                            |
|------------|---------------------------------|--------------------------------------------|
| type       | restriction of <b>xs:string</b> |                                            |
| properties | base                            | xs:string                                  |
| used by    | attribute                       | <a href="#">ExportJDFCutting/@ExportAs</a> |
| facets     | Kind                            | Value Annotation                           |
|            | enumeration                     | OneFile                                    |
|            | enumeration                     | SeparateFileForEachLayout                  |
| annotation | documentation                   | What format to use for JDF Cutting output. |

#### simpleType **JDFDataToIncludeType**

|            |                                 |                                                            |
|------------|---------------------------------|------------------------------------------------------------|
| type       | restriction of <b>xs:string</b> |                                                            |
| properties | base                            | xs:string                                                  |
| used by    | attribute                       | <a href="#">ExportCompleteJDFImposition/@DataToInclude</a> |
| facets     | Kind                            | Value Annotation                                           |
|            | enumeration                     | BothLayoutAndStrippingData                                 |
|            | enumeration                     | LayoutDataOnly                                             |
|            | enumeration                     | StrippingDataOnly                                          |
| annotation | documentation                   | What data the JDF file should include.                     |

### simpleType **JDFImpositionOutputFormatType**

|            |                                                                |                                      |            |
|------------|----------------------------------------------------------------|--------------------------------------|------------|
| type       | restriction of <b>xs:string</b>                                |                                      |            |
| properties | base <b>xs:string</b>                                          |                                      |            |
| used by    | attribute <a href="#">ExportJDFImposition/@ExportAs</a>        |                                      |            |
| facets     | Kind                                                           | Value                                | Annotation |
|            | enumeration                                                    | OneFile                              |            |
|            | enumeration                                                    | SeparateFileForEachLayout            |            |
|            | enumeration                                                    | SeparateFileForEachLayoutSide        |            |
|            | enumeration                                                    | SeparateFileForEachPlateAndSheetSize |            |
| annotation | documentation<br>What format to use for JDF Imposition output. |                                      |            |

### simpleType **JDFUnpopulatedFormatType**

|            |                                                                     |             |            |
|------------|---------------------------------------------------------------------|-------------|------------|
| type       | restriction of <b>xs:string</b>                                     |             |            |
| properties | base <b>xs:string</b>                                               |             |            |
| used by    | attribute <a href="#">ExportJDFImposition/@JDFUnpopulatedFormat</a> |             |            |
| facets     | Kind                                                                | Value       | Annotation |
|            | enumeration                                                         | Blank       |            |
|            | enumeration                                                         | Unspecified |            |
|            | enumeration                                                         | Reservation |            |
| annotation | documentation<br>What format to use for unpopulated JDF output.     |             |            |

### simpleType **LargestTextComponentType**

|            |                                                                |       |            |
|------------|----------------------------------------------------------------|-------|------------|
| type       | restriction of <b>xs:integer</b>                               |       |            |
| properties | base <b>xs:integer</b>                                         |       |            |
| used by    | attribute <a href="#">ComponentHints/@TextLargestComponent</a> |       |            |
| facets     | Kind                                                           | Value | Annotation |
|            | minInclusive                                                   | 2     |            |
|            | maxInclusive                                                   | 128   |            |

### simpleType **LeftRightType**

|            |                                                                                                |       |            |
|------------|------------------------------------------------------------------------------------------------|-------|------------|
| type       | restriction of <b>xs:string</b>                                                                |       |            |
| properties | base <b>xs:string</b>                                                                          |       |            |
| used by    | attributes <a href="#">GroupAttrLayout/@PlacementOrigin</a> <a href="#">Product/@SpineSide</a> |       |            |
| facets     | Kind                                                                                           | Value | Annotation |
|            | enumeration                                                                                    | Left  |            |
|            | enumeration                                                                                    | Right |            |

### simpleType **LinearDimension\_BinderFaceTrimType**

|            |                                                                                                                                                                                                                                                 |  |  |
|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|
| type       | restriction of <a href="#">LinearDimensionType</a>                                                                                                                                                                                              |  |  |
| properties | base <a href="#">LinearDimensionType</a>                                                                                                                                                                                                        |  |  |
| used by    | attributes <a href="#">BindingMachineDefinition/@CoverMaxFaceTrim</a> <a href="#">BindingMachineDefinition/@CoverMinFaceTrim</a><br><a href="#">BindingMachineDefinition/@MaxFaceTrim</a> <a href="#">BindingMachineDefinition/@MinFaceTrim</a> |  |  |

|        |              |       |            |
|--------|--------------|-------|------------|
| facets | Kind         | Value | Annotation |
|        | minInclusive | 0     |            |
|        | maxInclusive | 152.4 |            |

#### simpleType **LinearDimension\_BinderJogTrimType**

|            |                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |            |
|------------|----------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| type       | restriction of <a href="#">LinearDimensionType</a> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |            |
| properties | base                                               | LinearDimensionType                                                                                                                                                                                                                                                                                                                                                                                                                                                           |            |
| used by    | attributes                                         | <a href="#">BindingMachineDefinition/@CoverDefaultJogTrim</a> <a href="#">BindingMachineDefinition/@CoverMaxJogTrim</a><br><a href="#">BindingMachineDefinition/@CoverMinJogTrim</a> <a href="#">BindingMachineDefinition/@DefaultJogTrim</a><br><a href="#">BindingMachineDefinition/@MaxJogTrim</a> <a href="#">BindingMachineDefinition/@MaxNonJogTrim</a><br><a href="#">BindingMachineDefinition/@MinJogTrim</a> <a href="#">BindingMachineDefinition/@MinNonJogTrim</a> |            |
| facets     | Kind                                               | Value                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Annotation |
|            | minInclusive                                       | 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |            |
|            | maxInclusive                                       | 152.4                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |            |

#### simpleType **LinearDimension\_BinderLapType**

|            |                                                    |                                                                                                                                                                                                                  |            |
|------------|----------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| type       | restriction of <a href="#">LinearDimensionType</a> |                                                                                                                                                                                                                  |            |
| properties | base                                               | LinearDimensionType                                                                                                                                                                                              |            |
| used by    | attributes                                         | <a href="#">BindingMachineDefinition/@CoverMaxLap</a> <a href="#">BindingMachineDefinition/@CoverMinLap</a><br><a href="#">BindingMachineDefinition/@MaxLap</a> <a href="#">BindingMachineDefinition/@MinLap</a> |            |
| facets     | Kind                                               | Value                                                                                                                                                                                                            | Annotation |
|            | minInclusive                                       | 0                                                                                                                                                                                                                |            |
|            | maxInclusive                                       | 101.6                                                                                                                                                                                                            |            |

#### simpleType **LinearDimension\_BinderNonJogTrimType**

|            |                                                    |                                                                                                                           |            |
|------------|----------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|------------|
| type       | restriction of <a href="#">LinearDimensionType</a> |                                                                                                                           |            |
| properties | base                                               | LinearDimensionType                                                                                                       |            |
| used by    | attributes                                         | <a href="#">BindingMachineDefinition/@CoverMaxNonJogTrim</a> <a href="#">BindingMachineDefinition/@CoverMinNonJogTrim</a> |            |
| facets     | Kind                                               | Value                                                                                                                     | Annotation |
|            | minInclusive                                       | 0                                                                                                                         |            |
|            | maxInclusive                                       | 152.4                                                                                                                     |            |

#### simpleType **LinearDimension\_BinderNupOffsetType**

|            |                                                    |                                                                                                                                                                             |            |
|------------|----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| type       | restriction of <a href="#">LinearDimensionType</a> |                                                                                                                                                                             |            |
| properties | base                                               | LinearDimensionType                                                                                                                                                         |            |
| used by    | attributes                                         | <a href="#">BindingMachineDefinition/@DefaultNupOffset</a> <a href="#">BindingMachineDefinition/@MaxNupOffset</a><br><a href="#">BindingMachineDefinition/@MinNupOffset</a> |            |
| facets     | Kind                                               | Value                                                                                                                                                                       | Annotation |
|            | minInclusive                                       | 0                                                                                                                                                                           |            |
|            | maxInclusive                                       | 152.4                                                                                                                                                                       |            |

#### simpleType **LinearDimension\_BinderSpineTrimType**

|            |                                                    |                                                                                                                                                                                         |  |
|------------|----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| type       | restriction of <a href="#">LinearDimensionType</a> |                                                                                                                                                                                         |  |
| properties | base                                               | LinearDimensionType                                                                                                                                                                     |  |
| used by    | attributes                                         | <a href="#">BindingMachineDefinition/@DefaultTextSpineTrim</a> <a href="#">BindingMachineDefinition/@MaxTextSpineTrim</a><br><a href="#">BindingMachineDefinition/@MinTextSpineTrim</a> |  |

|        |              |       |            |
|--------|--------------|-------|------------|
| facets | Kind         | Value | Annotation |
|        | minInclusive | 0     |            |
|        | maxInclusive | 152.4 |            |

#### simpleType **LinearDimension\_BinderSpineWidthType**

|            |                                                    |                                                              |            |
|------------|----------------------------------------------------|--------------------------------------------------------------|------------|
| type       | restriction of <a href="#">LinearDimensionType</a> |                                                              |            |
| properties | base                                               | LinearDimensionType                                          |            |
| used by    | attribute                                          | <a href="#">BindingMachineDefinition/@CoverMaxSpineWidth</a> |            |
| facets     | Kind                                               | Value                                                        | Annotation |
|            | minInclusive                                       | 0                                                            |            |
|            | maxInclusive                                       | 152.4                                                        |            |

#### simpleType **LinearDimension\_BinderTrimHeightType**

|            |                                                    |                                                                                                                       |            |
|------------|----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|------------|
| type       | restriction of <a href="#">LinearDimensionType</a> |                                                                                                                       |            |
| properties | base                                               | LinearDimensionType                                                                                                   |            |
| used by    | attributes                                         | <a href="#">BindingMachineDefinition/@MaxTrimmedHeight</a> <a href="#">BindingMachineDefinition/@MinTrimmedHeight</a> |            |
| facets     | Kind                                               | Value                                                                                                                 | Annotation |
|            | minInclusive                                       | 6.35                                                                                                                  |            |
|            | maxInclusive                                       | 762                                                                                                                   |            |

#### simpleType **LinearDimension\_BinderTrimWidthType**

|            |                                                    |                                                                                                                     |            |
|------------|----------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|------------|
| type       | restriction of <a href="#">LinearDimensionType</a> |                                                                                                                     |            |
| properties | base                                               | LinearDimensionType                                                                                                 |            |
| used by    | attributes                                         | <a href="#">BindingMachineDefinition/@MaxTrimmedWidth</a> <a href="#">BindingMachineDefinition/@MinTrimmedWidth</a> |            |
| facets     | Kind                                               | Value                                                                                                               | Annotation |
|            | minInclusive                                       | 6.35                                                                                                                |            |
|            | maxInclusive                                       | 762                                                                                                                 |            |

#### simpleType **LinearDimension\_CAMGroupGap**

|            |                                                    |                                                                                                                       |            |
|------------|----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|------------|
| type       | restriction of <a href="#">LinearDimensionType</a> |                                                                                                                       |            |
| properties | base                                               | LinearDimensionType                                                                                                   |            |
| used by    | attributes                                         | <a href="#">CutterAlignmentMarkGroupDefinition/@GapMax</a> <a href="#">CutterAlignmentMarkGroupDefinition/@GapMin</a> |            |
| facets     | Kind                                               | Value                                                                                                                 | Annotation |
|            | minInclusive                                       | 6                                                                                                                     |            |
|            | maxInclusive                                       | 1500                                                                                                                  |            |

#### simpleType **LinearDimension\_CAMGroupTrimOffset**

|            |                                                    |                                                                |            |
|------------|----------------------------------------------------|----------------------------------------------------------------|------------|
| type       | restriction of <a href="#">LinearDimensionType</a> |                                                                |            |
| properties | base                                               | LinearDimensionType                                            |            |
| used by    | attribute                                          | <a href="#">CutterAlignmentMarkGroupDefinition/@TrimOffset</a> |            |
| facets     | Kind                                               | Value                                                          | Annotation |
|            | minInclusive                                       | 0                                                              |            |

|  |              |      |
|--|--------------|------|
|  | maxInclusive | 1500 |
|--|--------------|------|

#### simpleType **LinearDimension\_CollationMarkTextDistanceType**

|            |                                                    |                                                                            |
|------------|----------------------------------------------------|----------------------------------------------------------------------------|
| type       | restriction of <a href="#">LinearDimensionType</a> |                                                                            |
| properties | base LinearDimensionType                           |                                                                            |
| used by    | attribute                                          | <a href="#">BindingMachineDefinition/@CollationMarksDistanceFromAnchor</a> |
| facets     | Kind                                               | Value Annotation                                                           |
|            | minInclusive                                       | 0.79375                                                                    |
|            | maxInclusive                                       | 152.4                                                                      |

#### simpleType **LinearDimension\_ComponentOffcut**

|            |                                                    |                                                                                                                                                           |
|------------|----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| type       | restriction of <a href="#">LinearDimensionType</a> |                                                                                                                                                           |
| properties | base LinearDimensionType                           |                                                                                                                                                           |
| used by    | attributes                                         | <a href="#">Component/@OffcutBottom</a> <a href="#">Component/@OffcutLeft</a> <a href="#">Component/@OffcutRight</a> <a href="#">Component/@OffcutTop</a> |
| facets     | Kind                                               | Value Annotation                                                                                                                                          |
|            | minInclusive                                       | 0                                                                                                                                                         |
|            | maxInclusive                                       | 304.8                                                                                                                                                     |

#### simpleType **LinearDimension\_CutterLiftHeight**

|            |                                                    |                                                         |
|------------|----------------------------------------------------|---------------------------------------------------------|
| type       | restriction of <a href="#">LinearDimensionType</a> |                                                         |
| properties | base LinearDimensionType                           |                                                         |
| used by    | attribute                                          | <a href="#">CuttingMachineDefinition/@MaxLiftHeight</a> |
| facets     | Kind                                               | Value Annotation                                        |
|            | minInclusive                                       | 10                                                      |
|            | maxInclusive                                       | 1000                                                    |

#### simpleType **LinearDimension\_FlatComponentType**

|            |                                                    |                                                                                    |
|------------|----------------------------------------------------|------------------------------------------------------------------------------------|
| type       | restriction of <a href="#">LinearDimensionType</a> |                                                                                    |
| properties | base LinearDimensionType                           |                                                                                    |
| used by    | attributes                                         | <a href="#">DieCutterToolItem/@Height</a> <a href="#">DieCutterToolItem/@Width</a> |
| facets     | Kind                                               | Value Annotation                                                                   |
|            | minInclusive                                       | 2.54                                                                               |

#### simpleType **LinearDimension\_FlushFoldExcess**

|            |                                                    |                                                            |
|------------|----------------------------------------------------|------------------------------------------------------------|
| type       | restriction of <a href="#">LinearDimensionType</a> |                                                            |
| properties | base LinearDimensionType                           |                                                            |
| used by    | attribute                                          | <a href="#">ProjectDefaults/@DefaultFlushFoldExcessMax</a> |
| facets     | Kind                                               | Value Annotation                                           |
|            | minInclusive                                       | 0                                                          |
|            | maxInclusive                                       | 6.35                                                       |

### simpleType **LinearDimension\_HorzDeviceCompType**

|            |                                                                         |
|------------|-------------------------------------------------------------------------|
| type       | <a href="#">LinearDimensionType</a>                                     |
| properties | base <a href="#">LinearDimensionType</a>                                |
| used by    | attribute <a href="#">PressDefinition/@HorizontalDeviceCompensation</a> |

### simpleType **LinearDimension\_HorzSheetOffsetType**

|            |                                                                  |
|------------|------------------------------------------------------------------|
| type       | <a href="#">LinearDimensionType</a>                              |
| properties | base <a href="#">LinearDimensionType</a>                         |
| used by    | attribute <a href="#">PressDefinition/@HorizontalSheetOffset</a> |

### simpleType **LinearDimension\_ManualShingling**

|            |                                                                                        |       |            |
|------------|----------------------------------------------------------------------------------------|-------|------------|
| type       | restriction of <a href="#">LinearDimensionType</a>                                     |       |            |
| properties | base <a href="#">LinearDimensionType</a>                                               |       |            |
| used by    | attributes <a href="#">Shingling/@InnerValue</a> <a href="#">Shingling/@OuterValue</a> |       |            |
| facets     | Kind                                                                                   | Value | Annotation |
|            | minInclusive                                                                           | 0     |            |
|            | maxInclusive                                                                           | 152.4 |            |

### simpleType **LinearDimension\_NonImageAreaType**

|            |                                                                                                                                                                                                          |       |            |
|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------------|
| type       | restriction of <a href="#">LinearDimensionType</a>                                                                                                                                                       |       |            |
| properties | base <a href="#">LinearDimensionType</a>                                                                                                                                                                 |       |            |
| used by    | attributes <a href="#">PressDefinition/@ColorBarAllowance</a> <a href="#">PressDefinition/@NonImageBottom</a> <a href="#">PressDefinition/@NonImageSide</a> <a href="#">PressDefinition/@NonImageTop</a> |       |            |
| facets     | Kind                                                                                                                                                                                                     | Value | Annotation |
|            | minInclusive                                                                                                                                                                                             | 0     |            |
|            | maxInclusive                                                                                                                                                                                             | 76.2  |            |

### simpleType **LinearDimension\_PageBleed**

|              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |            |       |            |              |        |  |              |      |  |
|--------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|-------|------------|--------------|--------|--|--------------|------|--|
| type         | restriction of <a href="#">LinearDimensionType</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                  |            |       |            |              |        |  |              |      |  |
| properties   | base <a href="#">LinearDimensionType</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                            |            |       |            |              |        |  |              |      |  |
| used by      | simpleType <a href="#">LinearDimension</a> <a href="#">PageToBleedGap</a><br>attributes <a href="#">Page/@BleedBottom</a> <a href="#">PageDefaults/@BleedBottom</a> <a href="#">Page/@BleedLeft</a> <a href="#">PageDefaults/@BleedLeft</a> <a href="#">Page/@BleedRight</a> <a href="#">PageDefaults/@BleedRight</a> <a href="#">Page/@BleedTop</a> <a href="#">PageDefaults/@BleedTop</a> <a href="#">ProjectDefaults/@DefaultBleedValue</a> <a href="#">ProjectDefaults/@DefaultNoBleedValue</a> |            |       |            |              |        |  |              |      |  |
| facets       | <table><tr><td>Kind</td><td>Value</td><td>Annotation</td></tr><tr><td>minInclusive</td><td>-152.4</td><td></td></tr><tr><td>maxInclusive</td><td>50.8</td><td></td></tr></table>                                                                                                                                                                                                                                                                                                                    | Kind       | Value | Annotation | minInclusive | -152.4 |  | maxInclusive | 50.8 |  |
| Kind         | Value                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Annotation |       |            |              |        |  |              |      |  |
| minInclusive | -152.4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |            |       |            |              |        |  |              |      |  |
| maxInclusive | 50.8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |            |       |            |              |        |  |              |      |  |
| annotation   | documentation<br>Note that for Diecut Products, the PageBleed must be >= 0.                                                                                                                                                                                                                                                                                                                                                                                                                         |            |       |            |              |        |  |              |      |  |

### simpleType **LinearDimension\_PageToBleedGap**

|            |                                                          |
|------------|----------------------------------------------------------|
| type       | restriction of <a href="#">LinearDimension_PageBleed</a> |
| properties | base <a href="#">LinearDimension_PageBleed</a>           |

|         |                                                                                                                                                                                                                         |       |            |
|---------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------------|
| used by | attributes <a href="#">ProjectDefaults/@DefaultPageToBleedGap</a> <a href="#">AutoPlan/@PageToBleedGap</a><br><a href="#">AutoPlanProductionMethod/@PageToBleedGap</a> <a href="#">LayoutDefinition/@PageToBleedGap</a> |       |            |
| facets  | Kind                                                                                                                                                                                                                    | Value | Annotation |
|         | minInclusive                                                                                                                                                                                                            | 0     |            |
|         | maxInclusive                                                                                                                                                                                                            | 50.8  |            |

#### simpleType **LinearDimension\_PageTrimType**

|            |                                                    |                                                                                                                                            |            |
|------------|----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|------------|
| type       | restriction of <a href="#">LinearDimensionType</a> |                                                                                                                                            |            |
| properties | base                                               | LinearDimensionType                                                                                                                        |            |
| used by    | attributes                                         | <a href="#">PressDefinition/@PageTrimBottom</a> <a href="#">PressDefinition/@PageTrimSide</a> <a href="#">PressDefinition/@PageTrimTop</a> |            |
| facets     | Kind                                               | Value                                                                                                                                      | Annotation |
|            | minInclusive                                       | 0                                                                                                                                          |            |
|            | maxInclusive                                       | 76.2                                                                                                                                       |            |

#### simpleType **LinearDimension\_PlacementGroupGapType**

|            |                                                    |                                                                                                                |            |
|------------|----------------------------------------------------|----------------------------------------------------------------------------------------------------------------|------------|
| type       | restriction of <a href="#">LinearDimensionType</a> |                                                                                                                |            |
| properties | base                                               | LinearDimensionType                                                                                            |            |
| used by    | attributes                                         | <a href="#">AutoPlan/@GapBetweenPlacementGroups</a> <a href="#">GroupAttrLayout/@GapBetweenPlacementGroups</a> |            |
| facets     | Kind                                               | Value                                                                                                          | Annotation |
|            | minInclusive                                       | 0                                                                                                              |            |
|            | maxInclusive                                       | 457.2                                                                                                          |            |

#### simpleType **LinearDimension\_PlateAcrossMinType**

|            |                                                    |                                                          |            |
|------------|----------------------------------------------------|----------------------------------------------------------|------------|
| type       | restriction of <a href="#">LinearDimensionType</a> |                                                          |            |
| properties | base                                               | LinearDimensionType                                      |            |
| used by    | attribute                                          | <a href="#">PressDefinition/@PlateSizeAcrossCylinder</a> |            |
| facets     | Kind                                               | Value                                                    | Annotation |
|            | minInclusive                                       | 0                                                        |            |

#### simpleType **LinearDimension\_PlateAroundMinType**

|            |                                                    |                                                          |            |
|------------|----------------------------------------------------|----------------------------------------------------------|------------|
| type       | restriction of <a href="#">LinearDimensionType</a> |                                                          |            |
| properties | base                                               | LinearDimensionType                                      |            |
| used by    | attribute                                          | <a href="#">PressDefinition/@PlateSizeAroundCylinder</a> |            |
| facets     | Kind                                               | Value                                                    | Annotation |
|            | minInclusive                                       | 0                                                        |            |

#### simpleType **LinearDimension\_PlateThicknessType**

|            |                                                    |                                                 |            |
|------------|----------------------------------------------------|-------------------------------------------------|------------|
| type       | restriction of <a href="#">LinearDimensionType</a> |                                                 |            |
| properties | base                                               | LinearDimensionType                             |            |
| used by    | attribute                                          | <a href="#">PressDefinition/@PlateThickness</a> |            |
| facets     | Kind                                               | Value                                           | Annotation |
|            | minInclusive                                       | 0.01                                            |            |
|            | maxInclusive                                       | 6.35                                            |            |

### simpleType **LinearDimension\_PressStockThicknessType**

|            |                                                    |                                                                                                                                        |            |
|------------|----------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|------------|
| type       | restriction of <a href="#">LinearDimensionType</a> |                                                                                                                                        |            |
| properties | base                                               | LinearDimensionType                                                                                                                    |            |
| used by    | attributes                                         | <a href="#">PressDefinition/@MaxStockThickness</a> <a href="#">PressDefinition/@MinStockThickness</a> <a href="#">Stock/@Thickness</a> |            |
| facets     | Kind                                               | Value                                                                                                                                  | Annotation |
|            | minInclusive                                       | 0                                                                                                                                      |            |
|            | maxInclusive                                       | 152.4                                                                                                                                  |            |

### simpleType **LinearDimension\_RollFoldClearance**

|            |                                                    |                                                                |            |
|------------|----------------------------------------------------|----------------------------------------------------------------|------------|
| type       | restriction of <a href="#">LinearDimensionType</a> |                                                                |            |
| properties | base                                               | LinearDimensionType                                            |            |
| used by    | attribute                                          | <a href="#">ProjectDefaults/@DefaultRollFoldClearanceValue</a> |            |
| facets     | Kind                                               | Value                                                          | Annotation |
|            | minInclusive                                       | 0                                                              |            |
|            | maxInclusive                                       | 25.4                                                           |            |

### simpleType **LinearDimension\_SheetAcrossMinType**

|            |                                                    |                                                                                                                                                                |            |
|------------|----------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| type       | restriction of <a href="#">LinearDimensionType</a> |                                                                                                                                                                |            |
| properties | base                                               | LinearDimensionType                                                                                                                                            |            |
| used by    | attributes                                         | <a href="#">StockSheetRef/@CutoffLength</a> <a href="#">PressDefinition/@MaxSheetAcrossCylinder</a><br><a href="#">PressDefinition/@MinSheetAcrossCylinder</a> |            |
| facets     | Kind                                               | Value                                                                                                                                                          | Annotation |
|            | minInclusive                                       | 76.2                                                                                                                                                           |            |

### simpleType **LinearDimension\_SheetAroundMinType**

|            |                                                    |                                                                                                                 |            |
|------------|----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|------------|
| type       | restriction of <a href="#">LinearDimensionType</a> |                                                                                                                 |            |
| properties | base                                               | LinearDimensionType                                                                                             |            |
| used by    | attributes                                         | <a href="#">PressDefinition/@MaxSheetAroundCylinder</a> <a href="#">PressDefinition/@MinSheetAroundCylinder</a> |            |
| facets     | Kind                                               | Value                                                                                                           | Annotation |
|            | minInclusive                                       | 76.2                                                                                                            |            |

### simpleType **LinearDimension\_SheetSetBackType**

|            |                                                    |                                               |            |
|------------|----------------------------------------------------|-----------------------------------------------|------------|
| type       | restriction of <a href="#">LinearDimensionType</a> |                                               |            |
| properties | base                                               | LinearDimensionType                           |            |
| used by    | attribute                                          | <a href="#">PressDefinition/@SheetSetBack</a> |            |
| facets     | Kind                                               | Value                                         | Annotation |
|            | minInclusive                                       | 0                                             |            |
|            | maxInclusive                                       | 152.4                                         |            |

### simpleType **LinearDimension\_SheetWidthType**

|            |                                                    |                                   |            |
|------------|----------------------------------------------------|-----------------------------------|------------|
| type       | restriction of <a href="#">LinearDimensionType</a> |                                   |            |
| properties | base                                               | LinearDimensionType               |            |
| used by    | attribute                                          | <a href="#">StockSheet/@Width</a> |            |
| facets     | Kind                                               | Value                             | Annotation |
|            | minInclusive                                       | 76.2                              |            |

### simpleType **LinearDimension\_SideScoreDistanceType**

|            |                                                    |                                                                    |            |
|------------|----------------------------------------------------|--------------------------------------------------------------------|------------|
| type       | restriction of <a href="#">LinearDimensionType</a> |                                                                    |            |
| properties | base                                               | LinearDimensionType                                                |            |
| used by    | attribute                                          | <a href="#">BindingMachineDefinition/@DefaultSideScoreDistance</a> |            |
| facets     | Kind                                               | Value                                                              | Annotation |
|            | minInclusive                                       | 0                                                                  |            |
|            | maxInclusive                                       | 25.4                                                               |            |

### simpleType **LinearDimension\_TrimMarkLengthType**

|            |                                                    |                                                                                                                                                                                                                                                                                                                                                   |            |
|------------|----------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| type       | restriction of <a href="#">LinearDimensionType</a> |                                                                                                                                                                                                                                                                                                                                                   |            |
| properties | base                                               | LinearDimensionType                                                                                                                                                                                                                                                                                                                               |            |
| used by    | attributes                                         | <a href="#">InternalFoldMarks/@CropDistanceFromPageTrim</a> <a href="#">ExternalFoldMarks/@DistanceFromPageTrim</a> <a href="#">TrimMarks/@DistanceFromPageTrim</a> <a href="#">ExternalFoldMarks/@Length</a> <a href="#">TrimMarks/@Length</a> <a href="#">InternalFoldMarks/@MaximumLength</a> <a href="#">InternalFoldMarks/@MinimumLength</a> |            |
| facets     | Kind                                               | Value                                                                                                                                                                                                                                                                                                                                             | Annotation |
|            | minInclusive                                       | 0                                                                                                                                                                                                                                                                                                                                                 |            |
|            | maxInclusive                                       | 2540                                                                                                                                                                                                                                                                                                                                              |            |

### simpleType **LinearDimensionType**

|            |                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |
|------------|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| type       | <b>xs:float</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |
| properties | base            | xs:float                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |
| used by    | simpleTypes     | <a href="#">LinearDimension_BinderFaceTrimType</a> <a href="#">LinearDimension_BinderJogTrimType</a> <a href="#">LinearDimension_BinderLapType</a> <a href="#">LinearDimension_BinderNonJogTrimType</a> <a href="#">LinearDimension_BinderNupOffsetType</a> <a href="#">LinearDimension_BinderSpineTrimType</a> <a href="#">LinearDimension_BinderSpineWidthType</a> <a href="#">LinearDimension_BinderTrimHeightType</a> <a href="#">LinearDimension_BinderTrimWidthType</a> <a href="#">LinearDimension_CAMGroupGap</a> <a href="#">LinearDimension_CAMGroupTrimOffset</a> <a href="#">LinearDimension_CollationMarkTextDistanceType</a> <a href="#">LinearDimension_ComponentOffcut</a> <a href="#">LinearDimension_CutterLiftHeight</a> <a href="#">LinearDimension_FlatComponentType</a> <a href="#">LinearDimension_FlushFoldExcess</a> <a href="#">LinearDimension_HorzDeviceCompType</a> <a href="#">LinearDimension_HorzSheetOffsetType</a> <a href="#">LinearDimension_ManualShingling</a> <a href="#">LinearDimension_NonImageAreaType</a> <a href="#">LinearDimension_PageBleed</a> <a href="#">LinearDimension_PageTrimType</a> <a href="#">LinearDimension_PlacementGroupGapType</a> <a href="#">LinearDimension_PlateAcrossMinType</a> <a href="#">LinearDimension_PlateAroundMinType</a> <a href="#">LinearDimension_PlateThicknessType</a> <a href="#">LinearDimension_PressStockThicknessType</a> <a href="#">LinearDimension_RollFoldClearance</a> <a href="#">LinearDimension_SheetAcrossMinType</a> <a href="#">LinearDimension_SheetAroundMinType</a> <a href="#">LinearDimension_SheetSetBackType</a> <a href="#">LinearDimension_SheetWidthType</a> <a href="#">LinearDimension_SideScoreDistanceType</a> <a href="#">LinearDimension_TrimMarkLengthType</a> |  |
|            | attributes      | <a href="#">DieCutterToolDefinition/@AnchorOffsetX</a> <a href="#">DieCutterToolDefinition/@AnchorOffsetY</a> <a href="#">BarcodeParams/@BarHeight</a> <a href="#">ComponentInstance/@Bottom</a> <a href="#">ExportPrepsTemplate/@CenterMarkLength</a> <a href="#">BindingMachineDefinition/@CollationMarksHeight</a> <a href="#">BindingMachineDefinition/@CollationMarksStartOffset</a> <a href="#">BindingMachineDefinition/@CollationMarksWidth</a> <a href="#">ExportPrepsTemplate/@CropMarkDistance</a> <a href="#">ExportPrepsTemplate/@CropMarkLength</a> <a href="#">CutoffLength/@CutoffLength</a> <a href="#">Configuration/@CutoffLength</a> <a href="#">PressDefinition/@CutoffLength</a> <a href="#">CutterAlignmentMarkAttributes/@CutterAlignmentInnerSize</a> <a href="#">CutterAlignmentMarkAttributes/@CutterAlignmentOuterSize</a> <a href="#">Product/@FinishedTrimHeight</a> <a href="#">Product/@FinishedTrimWidth</a> <a href="#">ExportPrepsTemplate/@FoldMarkDistance</a> <a href="#">ExportPrepsTemplate/@FoldMarkLength</a> <a href="#">MarkSizingPolicyAttributes/@Height</a> <a href="#">StockSheet/@Height</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |

|            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|            | <a href="#">DieCutterToolItemBleedMask/@Height</a> <a href="#">MarkBaseAttributes/@HorizontalOffset</a><br><a href="#">PressDefinition/@InspectionMarksLeadingEdge</a> <a href="#">PressDefinition/@InspectionMarksSides</a> <a href="#">Product/@JogTrim</a><br><a href="#">ComponentInstance/@Left</a> <a href="#">DigitalCuttingMachineDefinition/@MaxHeight</a><br><a href="#">PressDefinition/@MaxImageableHeight</a> <a href="#">PressDefinition/@MaxImageableWidth</a><br><a href="#">DigitalCuttingMachineDefinition/@MaxThickness</a> <a href="#">DigitalCuttingMachineDefinition/@MaxWidth</a><br><a href="#">BarcodeParams/@MinBarWidth</a> <a href="#">DigitalCuttingMachineDefinition/@MinHeight</a><br><a href="#">DieCutterToolDefinition/@MinSheetHeight</a> <a href="#">DieCutterToolDefinition/@MinSheetWidth</a><br><a href="#">DigitalCuttingMachineDefinition/@MinThickness</a> <a href="#">DigitalCuttingMachineDefinition/@MinWidth</a><br><a href="#">GroupAttrExportJDF/@PdfSheetBleed</a> <a href="#">GroupAttrExportPDF/@PdfSheetBleed</a><br><a href="#">ExportPrepsTemplate/@PunchCenter</a> <a href="#">ExportReportOptions/@ReportMarginBottom</a><br><a href="#">ExportReportOptions/@ReportMarginLeft</a> <a href="#">ExportReportOptions/@ReportMarginRight</a><br><a href="#">ExportReportOptions/@ReportMarginTop</a> <a href="#">ExportReportOptions/@ReportPageHeight</a><br><a href="#">ExportReportOptions/@ReportPageWidth</a> <a href="#">ExportPrepsTemplate/@SideGuides</a><br><a href="#">BarcodeParams/@SideQuietZone</a> <a href="#">DigitalCuttingMachineDefinition/@Speed</a> <a href="#">Product/@SpineTrim</a><br><a href="#">Product/@SpineWidth</a> <a href="#">BarcodeParams/@TextPointSize</a> <a href="#">BarcodeParams/@TopBottomQuietZone</a><br><a href="#">MarkBaseAttributes/@VerticalOffset</a> <a href="#">DieCutterToolItemBleedMask/@Width</a> <a href="#">OffcutFlap/@Width</a><br><a href="#">MarkFile/@Width</a> <a href="#">MarkSizingPolicyAttributes/@Width</a> <a href="#">DieCutterToolItemInstance/@X</a><br><a href="#">DieCutterToolItemBleedMask/@X</a> <a href="#">DieCutterToolItemBleedMask/@Y</a> <a href="#">DieCutterToolItemInstance/@Y</a> |
| annotation | documentation<br>All LinearDimensions represent a distance measurement. The units are Millimeters in this file.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

### simpleType **MarkAnchorLocationType**

|            |                                 |                                                                                                                                                                                                                                        |            |
|------------|---------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| type       | restriction of <b>xs:string</b> |                                                                                                                                                                                                                                        |            |
| properties | base <b>xs:string</b>           |                                                                                                                                                                                                                                        |            |
| used by    | attributes                      | <a href="#">MarkBaseAttributes/@LayoutAnchorHorizontal</a> <a href="#">MarkBaseAttributes/@LayoutAnchorVertical</a><br><a href="#">MarkBaseAttributes/@MarkAnchorHorizontal</a> <a href="#">MarkBaseAttributes/@MarkAnchorVertical</a> |            |
| facets     | Kind                            | Value                                                                                                                                                                                                                                  | Annotation |
|            | enumeration                     | Center                                                                                                                                                                                                                                 |            |
|            | enumeration                     | Top                                                                                                                                                                                                                                    |            |
|            | enumeration                     | Right                                                                                                                                                                                                                                  |            |
|            | enumeration                     | Left                                                                                                                                                                                                                                   |            |
|            | enumeration                     | HorizontalCenter                                                                                                                                                                                                                       |            |
|            | enumeration                     | VerticalMiddle                                                                                                                                                                                                                         |            |

### simpleType **MarkAnchorObjectType**

|            |                                 |                                                        |            |
|------------|---------------------------------|--------------------------------------------------------|------------|
| type       | restriction of <b>xs:string</b> |                                                        |            |
| properties | base <b>xs:string</b>           |                                                        |            |
| used by    | attribute                       | <a href="#">MarkBaseAttributes/@LayoutAnchorObject</a> |            |
| facets     | Kind                            | Value                                                  | Annotation |
|            | enumeration                     | PressPlate                                             |            |
|            | enumeration                     | PressSheet                                             |            |
|            | enumeration                     | ProductTrim                                            |            |
|            | enumeration                     | Component Trim                                         |            |

### simpleType **MarkBarcodeType**

|            |                                 |                                     |            |
|------------|---------------------------------|-------------------------------------|------------|
| type       | restriction of <b>xs:string</b> |                                     |            |
| properties | base <b>xs:string</b>           |                                     |            |
| used by    | attribute                       | <a href="#">BarcodeParams/@Type</a> |            |
| facets     | Kind                            | Value                               | Annotation |
|            | enumeration                     | Code 128                            |            |
|            | enumeration                     | Interleaved 2 of 5                  |            |

|  |             |            |
|--|-------------|------------|
|  | enumeration | Code 39    |
|  | enumeration | Code 39_DX |
|  | enumeration | QR         |
|  | enumeration | Datamatrix |

#### simpleType **MarkLineSlopeType**

|            |                                 |                                 |
|------------|---------------------------------|---------------------------------|
| type       | restriction of <b>xs:string</b> |                                 |
| properties | base                            | xs:string                       |
| used by    | attribute                       | <a href="#">LineMark/@Slope</a> |
| facets     | Kind                            | Value Annotation                |
|            | enumeration                     | Up                              |
|            | enumeration                     | Down                            |

#### simpleType **MarkLineType**

|            |                                 |                                                                                                                            |
|------------|---------------------------------|----------------------------------------------------------------------------------------------------------------------------|
| type       | restriction of <b>xs:string</b> |                                                                                                                            |
| properties | base                            | xs:string                                                                                                                  |
| used by    | attributes                      | <a href="#">ExternalFoldMarks/@LineType</a> <a href="#">InternalFoldMarks/@LineType</a> <a href="#">LineMark/@LineType</a> |
| facets     | Kind                            | Value Annotation                                                                                                           |
|            | enumeration                     | Solid                                                                                                                      |
|            | enumeration                     | Dashed                                                                                                                     |
|            | enumeration                     | Dotted                                                                                                                     |

#### simpleType **MarkOutputType**

|            |                                 |                                            |
|------------|---------------------------------|--------------------------------------------|
| type       | restriction of <b>xs:string</b> |                                            |
| properties | base                            | xs:string                                  |
| used by    | attribute                       | <a href="#">MarkBaseAttributes/@Output</a> |
| facets     | Kind                            | Value Annotation                           |
|            | enumeration                     | BothExportAndReport                        |
|            | enumeration                     | ReportOnly                                 |
|            | enumeration                     | ExportOnly                                 |

#### simpleType **MarkPlacementType**

|            |                                 |                                               |
|------------|---------------------------------|-----------------------------------------------|
| type       | restriction of <b>xs:string</b> |                                               |
| properties | base                            | xs:string                                     |
| used by    | attribute                       | <a href="#">MarkBaseAttributes/@Placement</a> |
| facets     | Kind                            | Value Annotation                              |
|            | enumeration                     | FrontOnly                                     |
|            | enumeration                     | BackOnly                                      |
|            | enumeration                     | BothFrontAndBack                              |

#### simpleType **MarkSetColorType**

|      |                                  |  |
|------|----------------------------------|--|
| type | restriction of <b>xs:integer</b> |  |
|------|----------------------------------|--|

|            |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|------------|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| properties | base         | xs:integer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| used by    | attributes   | <a href="#">MarkSet/@Black</a> <a href="#">MarkSet/@Cyan</a> <a href="#">MarkSet/@Magenta</a> <a href="#">MarkSet/@SpotColor 1</a> <a href="#">MarkSet/@SpotColor 10</a> <a href="#">MarkSet/@SpotColor 11</a> <a href="#">MarkSet/@SpotColor 12</a> <a href="#">MarkSet/@SpotColor 13</a> <a href="#">MarkSet/@SpotColor 14</a> <a href="#">MarkSet/@SpotColor 15</a> <a href="#">MarkSet/@SpotColor 16</a> <a href="#">MarkSet/@SpotColor 2</a> <a href="#">MarkSet/@SpotColor 3</a> <a href="#">MarkSet/@SpotColor 4</a> <a href="#">MarkSet/@SpotColor 5</a> <a href="#">MarkSet/@SpotColor 6</a> <a href="#">MarkSet/@SpotColor 7</a> <a href="#">MarkSet/@SpotColor 8</a> <a href="#">MarkSet/@SpotColor 9</a> <a href="#">MarkSet/@Yellow</a> |
| facets     | Kind         | Value Annotation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|            | minInclusive | 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|            | maxInclusive | 100                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |

#### simpleType **MarkSizingPolicyType**

|            |                                 |                                                    |
|------------|---------------------------------|----------------------------------------------------|
| type       | restriction of <b>xs:string</b> |                                                    |
| properties | base                            | xs:string                                          |
| used by    | attribute                       | <a href="#">MarkSizingPolicyAttributes/@Sizing</a> |
| facets     | Kind                            | Value Annotation                                   |
|            | enumeration                     | FixedSize                                          |
|            | enumeration                     | FixedHeightVariableWidth                           |
|            | enumeration                     | FixedWidthVariableHeight                           |
|            | enumeration                     | FileSize                                           |
|            | enumeration                     | FileHeightVariableWidth                            |
|            | enumeration                     | FileWidthVariableHeight                            |

#### simpleType **MXMLUnitsType**

|            |                                 |                                  |
|------------|---------------------------------|----------------------------------|
| type       | restriction of <b>xs:string</b> |                                  |
| properties | base                            | xs:string                        |
| used by    | attribute                       | <a href="#">MetrixXML/@Units</a> |
| facets     | Kind                            | Value Annotation                 |
|            | enumeration                     | Millimeters                      |

#### simpleType **NumberOfTextPagesType**

|            |                                  |                                               |
|------------|----------------------------------|-----------------------------------------------|
| type       | restriction of <b>xs:integer</b> |                                               |
| properties | base                             | xs:integer                                    |
| used by    | attribute                        | <a href="#">ComponentHints/@TextPageCount</a> |
| facets     | Kind                             | Value Annotation                              |
|            | minInclusive                     | 4                                             |
|            | maxInclusive                     | 2000                                          |

#### simpleType **NumberUpType**

|            |                                  |                                                              |
|------------|----------------------------------|--------------------------------------------------------------|
| type       | restriction of <b>xs:integer</b> |                                                              |
| properties | base                             | xs:integer                                                   |
| used by    | attribute                        | <a href="#">BindingMachineDefinition/@MaxBindingNumberUp</a> |
| facets     | Kind                             | Value Annotation                                             |
|            | minInclusive                     | 1                                                            |
|            | maxInclusive                     | 3                                                            |

### simpleType **OnlyDolfExportingType**

|            |                                 |                                                                                                    |            |
|------------|---------------------------------|----------------------------------------------------------------------------------------------------|------------|
| type       | restriction of <b>xs:string</b> |                                                                                                    |            |
| properties | base                            | xs:string                                                                                          |            |
| used by    | attributes                      | <a href="#">SendEmail/@OnlyDolfExporting</a> <a href="#">SetProjectProperty/@OnlyDolfExporting</a> |            |
| facets     | Kind                            | Value                                                                                              | Annotation |
|            | enumeration                     | Allowed                                                                                            |            |
|            | enumeration                     | NotAllowed                                                                                         |            |
|            | enumeration                     | Either                                                                                             |            |

### simpleType **OutputOnlyType**

|            |                  |                                                                                                                                                                                                                                       |  |
|------------|------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| type       | <b>xs:string</b> |                                                                                                                                                                                                                                       |  |
| properties | base             | xs:string                                                                                                                                                                                                                             |  |
| used by    | attributes       | <a href="#">LayoutDefinition/@BoundsAllComponentBleed</a> <a href="#">LayoutDefinition/@BoundsAllComponentOffcut</a><br><a href="#">LayoutDefinition/@BoundsAllComponentTrim</a> <a href="#">LayoutDefinition/@PercentageSheetUse</a> |  |
| annotation | documentation    | Metrix writes this, but never reads it.                                                                                                                                                                                               |  |

### simpleType **PDFImpositionOutputFormatType**

|            |                                 |                                              |            |
|------------|---------------------------------|----------------------------------------------|------------|
| type       | restriction of <b>xs:string</b> |                                              |            |
| properties | base                            | xs:string                                    |            |
| used by    | attribute                       | <a href="#">GroupAttrExportPDF/@ExportAs</a> |            |
| facets     | Kind                            | Value                                        | Annotation |
|            | enumeration                     | OneFile                                      |            |
|            | enumeration                     | SeparateFileForEachLayout                    |            |
|            | enumeration                     | SeparateFileForEachLayoutSide                |            |

### simpleType **PointsType\_BarcodeMarkBarHeight**

|            |                                |                                                    |            |
|------------|--------------------------------|----------------------------------------------------|------------|
| type       | restriction of <b>xs:float</b> |                                                    |            |
| properties | base                           | xs:float                                           |            |
| used by    | attribute                      | <a href="#">BarcodeProperties/@BarHeightPoints</a> |            |
| facets     | Kind                           | Value                                              | Annotation |
|            | minInclusive                   | 0                                                  |            |
|            | maxInclusive                   | 144                                                |            |

### simpleType **PointsType\_BarcodeMarkBarWidthMin**

|            |                                |                                                          |            |
|------------|--------------------------------|----------------------------------------------------------|------------|
| type       | restriction of <b>xs:float</b> |                                                          |            |
| properties | base                           | xs:float                                                 |            |
| used by    | attribute                      | <a href="#">BarcodeProperties/@MinimumBarWidthPoints</a> |            |
| facets     | Kind                           | Value                                                    | Annotation |
|            | minInclusive                   | 0                                                        |            |
|            | maxInclusive                   | 6                                                        |            |

### simpleType **PointsType\_BarcodeMarkFontSize**

|            |                                |                                                        |            |
|------------|--------------------------------|--------------------------------------------------------|------------|
| type       | restriction of <b>xs:float</b> |                                                        |            |
| properties | base                           | xs:float                                               |            |
| used by    | attribute                      | <a href="#">BarcodeProperties/@TextPointSizePoints</a> |            |
| facets     | Kind                           | Value                                                  | Annotation |
|            | minInclusive                   | 0                                                      |            |
|            | maxInclusive                   | 144                                                    |            |

### simpleType **PointsType\_BarcodeSideQuietZone**

|            |                                |                                                        |            |
|------------|--------------------------------|--------------------------------------------------------|------------|
| type       | restriction of <b>xs:float</b> |                                                        |            |
| properties | base                           | xs:float                                               |            |
| used by    | attribute                      | <a href="#">BarcodeProperties/@SizeQuietZonePoints</a> |            |
| facets     | Kind                           | Value                                                  | Annotation |
|            | minInclusive                   | 0                                                      |            |
|            | maxInclusive                   | 72                                                     |            |

### simpleType **PointsType\_BarcodeTopQuietZone**

|            |                                |                                                       |            |
|------------|--------------------------------|-------------------------------------------------------|------------|
| type       | restriction of <b>xs:float</b> |                                                       |            |
| properties | base                           | xs:float                                              |            |
| used by    | attribute                      | <a href="#">BarcodeProperties/@TopQuietZonePoints</a> |            |
| facets     | Kind                           | Value                                                 | Annotation |
|            | minInclusive                   | 0                                                     |            |
|            | maxInclusive                   | 72                                                    |            |

### simpleType **PointsType\_CollationMarkFontSizeType**

|            |                                |                                                                               |            |
|------------|--------------------------------|-------------------------------------------------------------------------------|------------|
| type       | restriction of <b>xs:float</b> |                                                                               |            |
| properties | base                           | xs:float                                                                      |            |
| used by    | attribute                      | <a href="#">BindingMachineDefinition/@CollationMarksTrailingTextPointSize</a> |            |
| facets     | Kind                           | Value                                                                         | Annotation |
|            | minInclusive                   | 0.25                                                                          |            |
|            | maxInclusive                   | 144                                                                           |            |

### simpleType **PointsType\_MaxMarkThickness**

|            |                                |                                                                                                      |            |
|------------|--------------------------------|------------------------------------------------------------------------------------------------------|------------|
| type       | restriction of <b>xs:float</b> |                                                                                                      |            |
| properties | base                           | xs:float                                                                                             |            |
| used by    | attributes                     | <a href="#">ProofingLines/@ThicknessPoints</a> <a href="#">GroupAttrExportMarks/@ThicknessPoints</a> |            |
| facets     | Kind                           | Value                                                                                                | Annotation |
|            | minInclusive                   | 0                                                                                                    |            |
|            | maxInclusive                   | 7200                                                                                                 |            |

### simpleType **PressCostPerPlateType**

|      |                                |  |  |
|------|--------------------------------|--|--|
| type | restriction of <b>xs:float</b> |  |  |
|------|--------------------------------|--|--|

|            |               |                                               |            |
|------------|---------------|-----------------------------------------------|------------|
| properties | base xs:float |                                               |            |
| used by    | attribute     | <a href="#">PressDefinition/@CostPerPlate</a> |            |
| facets     | Kind          | Value                                         | Annotation |
|            | minInclusive  | 0                                             |            |
|            | maxInclusive  | 999999                                        |            |

#### simpleType **PressHorzSheetOffsetAnchorType**

|            |                                 |                                                              |            |
|------------|---------------------------------|--------------------------------------------------------------|------------|
| type       | restriction of <b>xs:string</b> |                                                              |            |
| properties | base xs:string                  |                                                              |            |
| used by    | attribute                       | <a href="#">PressDefinition/@HorizontalSheetOffsetAnchor</a> |            |
| facets     | Kind                            | Value                                                        | Annotation |
|            | enumeration                     | Center                                                       |            |
|            | enumeration                     | Left                                                         |            |
|            | enumeration                     | Right                                                        |            |

#### simpleType **PressHourlyRateOverrideType**

|            |                                |                                                                                                                                                                                             |            |
|------------|--------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| type       | restriction of <b>xs:float</b> |                                                                                                                                                                                             |            |
| properties | base xs:float                  |                                                                                                                                                                                             |            |
| used by    | attributes                     | <a href="#">PressDefinition/@OverrideHourlyRateMakeReady</a> <a href="#">PressDefinition/@OverrideHourlyRateNonPerfecting</a> <a href="#">PressDefinition/@OverrideHourlyRatePerfecting</a> |            |
| facets     | Kind                           | Value                                                                                                                                                                                       | Annotation |
|            | minInclusive                   | 0                                                                                                                                                                                           |            |

#### simpleType **PressHourlyRateType**

|            |                                |                                             |            |
|------------|--------------------------------|---------------------------------------------|------------|
| type       | restriction of <b>xs:float</b> |                                             |            |
| properties | base xs:float                  |                                             |            |
| used by    | attribute                      | <a href="#">PressDefinition/@HourlyRate</a> |            |
| facets     | Kind                           | Value                                       | Annotation |
|            | minInclusive                   | 1                                           |            |

#### simpleType **PressMakeReadyPerColorType**

|            |                                |                                                    |            |
|------------|--------------------------------|----------------------------------------------------|------------|
| type       | restriction of <b>xs:float</b> |                                                    |            |
| properties | base xs:float                  |                                                    |            |
| used by    | attribute                      | <a href="#">PressDefinition/@MakeReadyPerColor</a> |            |
| facets     | Kind                           | Value                                              | Annotation |
|            | minInclusive                   | 0                                                  |            |

#### simpleType **PressMinWorkAndTurnDryingTimeType**

|            |                                |                                                           |            |
|------------|--------------------------------|-----------------------------------------------------------|------------|
| type       | restriction of <b>xs:float</b> |                                                           |            |
| properties | base xs:float                  |                                                           |            |
| used by    | attribute                      | <a href="#">PressDefinition/@MinWorkAndTurnDryingTime</a> |            |
| facets     | Kind                           | Value                                                     | Annotation |

|  |                |
|--|----------------|
|  | minInclusive 0 |
|--|----------------|

#### simpleType **PressWebCutoffType**

|                                             |                                                       |          |            |
|---------------------------------------------|-------------------------------------------------------|----------|------------|
| simple type restriction of <b>xs:string</b> |                                                       |          |            |
| type                                        | restriction of <b>xs:string</b>                       |          |            |
| properties                                  | base <b>xs:string</b>                                 |          |            |
| used by                                     | attribute <a href="#">PressDefinition/@CutoffType</a> |          |            |
| facets                                      | Kind                                                  | Value    | Annotation |
|                                             | enumeration                                           | Fixed    |            |
|                                             | enumeration                                           | List     |            |
|                                             | enumeration                                           | Variable |            |
|                                             | enumeration                                           | Custom   |            |

#### simpleType **PrintingMethodType**

|            |                                                                                                                                                                           |               |            |
|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|------------|
| type       | restriction of <b>xs:string</b>                                                                                                                                           |               |            |
| properties | base    xs:string                                                                                                                                                         |               |            |
| used by    | attributes <a href="#">AutoPlanProductionMethod/@PrintingMethod</a> <a href="#">PreferredSolution/@PrintingMethod</a><br><a href="#">LayoutDefinition/@PrintingMethod</a> |               |            |
| facets     | Kind                                                                                                                                                                      | Value         | Annotation |
|            | enumeration                                                                                                                                                               | OneSided      |            |
|            | enumeration                                                                                                                                                               | Sheetwise     |            |
|            | enumeration                                                                                                                                                               | WorkAndTurn   |            |
|            | enumeration                                                                                                                                                               | WorkAndTumble |            |
|            | enumeration                                                                                                                                                               | Perfected     |            |

#### simpleType **ProductContentOrientationType**

|            |                                                       |           |            |
|------------|-------------------------------------------------------|-----------|------------|
| type       | restriction of <b>xs:string</b>                       |           |            |
| properties | base    xs:string                                     |           |            |
| used by    | attribute <a href="#">Product/@ContentOrientation</a> |           |            |
| facets     | Kind                                                  | Value     | Annotation |
|            | enumeration                                           | HeadToJog |            |
|            | enumeration                                           | FootToJog |            |
| annotation | documentation<br>Default                              |           |            |

#### simpleType **ProductGrainType**

|                                             |                                                                                                                                                                                                            |            |            |
|---------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|------------|
| simple type restriction of <b>xs:string</b> |                                                                                                                                                                                                            |            |            |
| type                                        | restriction of <b>xs:string</b>                                                                                                                                                                            |            |            |
| properties                                  | base <b>xs:string</b>                                                                                                                                                                                      |            |            |
| used by                                     | attributes <a href="#">ComponentHints/@CoverFinishedGrain</a> <a href="#">Component/@FinishedGrain</a> <a href="#">DieCutterToolDefinition/@Grain</a><br><a href="#">ComponentHints/@TextFinishedGrain</a> |            |            |
| facets                                      | Kind                                                                                                                                                                                                       | Value      | Annotation |
|                                             | enumeration                                                                                                                                                                                                | Horizontal |            |
|                                             | enumeration                                                                                                                                                                                                | Vertical   |            |
|                                             | enumeration                                                                                                                                                                                                | Either     |            |
|                                             | enumeration                                                                                                                                                                                                | Same       |            |

### simpleType **ProductNthUpOrientationType**

|            |                                 |                                           |            |
|------------|---------------------------------|-------------------------------------------|------------|
| type       | restriction of <b>xs:string</b> |                                           |            |
| properties | base                            | xs:string                                 |            |
| used by    | attribute                       | <a href="#">Product/@NthUpOrientation</a> |            |
| facets     | Kind                            | Value                                     | Annotation |
|            | enumeration                     | HeadToHead                                |            |
|            | enumeration                     | HeadToFoot                                |            |
|            | enumeration                     | FootToFoot                                |            |
| annotation | documentation<br>Default        |                                           |            |

### simpleType **ProductTypeType**

|            |                                                                                                                                                                    |        |            |
|------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|------------|
| type       | restriction of <b>xs:string</b>                                                                                                                                    |        |            |
| properties | base    xs:string                                                                                                                                                  |        |            |
| used by    | attribute <a href="#">Product/@Type</a>                                                                                                                            |        |            |
| facets     | Kind                                                                                                                                                               | Value  | Annotation |
|            | enumeration                                                                                                                                                        | Flat   |            |
|            | enumeration                                                                                                                                                        | Folded |            |
|            | enumeration                                                                                                                                                        | Bound  |            |
|            | enumeration                                                                                                                                                        | DieCut |            |
| annotation | documentation<br>Flat products have one and only one component.<br>Folded products have one and only one component.<br>Bound products have one or more components. |        |            |

### simpleType **ProofLineTypeType**

|            |                                 |                                        |            |
|------------|---------------------------------|----------------------------------------|------------|
| type       | restriction of <b>xs:string</b> |                                        |            |
| properties | base                            | xs:string                              |            |
| used by    | attribute                       | <a href="#">ProofingLine/@LineType</a> |            |
| facets     | Kind                            | Value                                  | Annotation |
|            | enumeration                     | Solid                                  |            |
|            | enumeration                     | LongDashed                             |            |
|            | enumeration                     | ShortDashed                            |            |

### simpleType **RampageWorkflowType**

|            |                                 |                                       |            |
|------------|---------------------------------|---------------------------------------|------------|
| type       | restriction of <b>xs:string</b> |                                       |            |
| properties | base                            | xs:string                             |            |
| used by    | attribute                       | <a href="#">RampageWorkflow/@Type</a> |            |
| facets     | Kind                            | Value                                 | Annotation |
|            | enumeration                     | Page                                  |            |
|            | enumeration                     | SheetSide                             |            |

### simpleType **RefIDType**

|      |                              |  |  |
|------|------------------------------|--|--|
| type | <a href="#">TextType</a> Max |  |  |
|------|------------------------------|--|--|

|            |               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|------------|---------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| properties | base          | TextType_Max                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| used by    | attributes    | <a href="#">AutoPlanProductionMethod/@Cutter</a> <a href="#">BarcodeProperties/@ID</a> <a href="#">Product/@ID</a> <a href="#">ExternalFoldMarks/@ID</a> <a href="#">PlantReference/@ID</a> <a href="#">InternalFoldMarks/@ID</a> <a href="#">CutterAlignmentMarkGroupDefinition/@ID</a> <a href="#">ProofingLines/@ID</a> <a href="#">LayoutDefinition/@ID</a> <a href="#">PlantBase/@ID</a> <a href="#">TrimMarks/@ID</a> <a href="#">FoldingSchemeRefAttr/@ID</a> <a href="#">CMYKColor/@ID</a> <a href="#">Customer/@ID</a> <a href="#">CustomerContact/@ID</a> <a href="#">CutoffLength/@ID</a> <a href="#">ProcessColorMarkColor/@ID</a> <a href="#">Ink/@ID</a> <a href="#">RGBColor/@ID</a> <a href="#">StockSheet/@ID</a> <a href="#">Component/@ID</a> <a href="#">ContentFile/@ID</a> <a href="#">BarcodePropertiesRef/@rRef</a> <a href="#">ExternalFoldMarksRef/@rRef</a> <a href="#">InternalFoldMarksRef/@rRef</a> <a href="#">ProofingLinesRef/@rRef</a> <a href="#">SelectedLayoutsRef/@rRef</a> <a href="#">TrimMarksRef/@rRef</a> <a href="#">ComponentRef/@rRef</a> <a href="#">RGBColorRef/@rRef</a> <a href="#">ContentFileRef/@rRef</a> <a href="#">CuttingMachineRef/@rRef</a> <a href="#">DigitalCuttingMachineRef/@rRef</a> <a href="#">ResourceRefElementType/@rRef</a> <a href="#">DieCutterToolRef/@rRef</a> <a href="#">PressRef/@rRef</a> |
| facets     | Kind          | Value Annotation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|            | minLength     | 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|            | maxLength     | 250                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| annotation | documentation | MXML Reference ID                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |

### simpleType RequestedNumberOutType

|            |                                                         |
|------------|---------------------------------------------------------|
| type       | restriction of <b>xs:integer</b>                        |
| properties | base <b>xs:integer</b>                                  |
| used by    | attribute <a href="#">Component/@RequestedNumberOut</a> |
| facets     | Kind Value Annotation                                   |
|            | minInclusive 1                                          |
|            | maxInclusive 5000                                       |

### simpleType RGBRangeType

|            |                                                                                                         |
|------------|---------------------------------------------------------------------------------------------------------|
| type       | restriction of <b>xs:integer</b>                                                                        |
| properties | base <b>xs:integer</b>                                                                                  |
| used by    | attributes <a href="#">RGBColor/@Blue</a> <a href="#">RGBColor/@Green</a> <a href="#">RGBColor/@Red</a> |
| facets     | Kind Value Annotation                                                                                   |
|            | minInclusive 0                                                                                          |
|            | maxInclusive 255                                                                                        |

### simpleType RotationType

|            |                                                          |
|------------|----------------------------------------------------------|
| type       | restriction of <b>xs:integer</b>                         |
| properties | base <b>xs:integer</b>                                   |
| used by    | attribute <a href="#">ComponentInstance/@Orientation</a> |
| facets     | Kind Value Annotation                                    |
|            | minInclusive 0                                           |
|            | maxInclusive 359                                         |

### simpleType RotationType90

|            |                                                  |
|------------|--------------------------------------------------|
| type       | restriction of <b>xs:integer</b>                 |
| properties | base <b>xs:integer</b>                           |
| used by    | attribute <a href="#">PageDefaults/@Rotation</a> |
| facets     | Kind Value Annotation                            |
|            | enumeration 0                                    |
|            | enumeration 90                                   |

|  |             |     |
|--|-------------|-----|
|  | enumeration | 180 |
|  | enumeration | 270 |

#### simpleType **SchemaVersionType**

|            |                                |                                                                                       |
|------------|--------------------------------|---------------------------------------------------------------------------------------|
| type       | restriction of <b>xs:float</b> |                                                                                       |
| properties | base                           | xs:float                                                                              |
| used by    | attributes                     | <a href="#">ExportMetrixXML/@MXMLVersion</a> <a href="#">MetrixXML/@SchemaVersion</a> |
| facets     | Kind                           | Value Annotation                                                                      |
|            | enumeration                    | 1.0                                                                                   |
|            | enumeration                    | 1.5                                                                                   |
|            | enumeration                    | 1.6                                                                                   |
|            | enumeration                    | 2.0                                                                                   |
|            | enumeration                    | 2.1                                                                                   |

#### simpleType **ShinglingMethodType**

|            |                                 |                                   |
|------------|---------------------------------|-----------------------------------|
| type       | restriction of <b>xs:string</b> |                                   |
| properties | base                            | xs:string                         |
| used by    | attribute                       | <a href="#">Shingling/@Method</a> |
| facets     | Kind                            | Value Annotation                  |
|            | enumeration                     | Move                              |
|            | enumeration                     | Scale                             |

#### simpleType **ShinglingType**

|            |                                 |                                 |
|------------|---------------------------------|---------------------------------|
| type       | restriction of <b>xs:string</b> |                                 |
| properties | base                            | xs:string                       |
| used by    | attribute                       | <a href="#">Shingling/@Type</a> |
| facets     | Kind                            | Value Annotation                |
|            | enumeration                     | Auto                            |
|            | enumeration                     | Manual                          |

#### simpleType **StockGrainType**

|            |                                 |                                   |
|------------|---------------------------------|-----------------------------------|
| type       | restriction of <b>xs:string</b> |                                   |
| properties | base                            | xs:string                         |
| used by    | attribute                       | <a href="#">StockSheet/@Grain</a> |
| facets     | Kind                            | Value Annotation                  |
|            | enumeration                     | Horizontal                        |
|            | enumeration                     | Vertical                          |
|            | enumeration                     | None                              |

#### simpleType **StockPieceTypeType**

|            |                                 |           |
|------------|---------------------------------|-----------|
| type       | restriction of <b>xs:string</b> |           |
| properties | base                            | xs:string |

|         |             |                                       |            |  |
|---------|-------------|---------------------------------------|------------|--|
| used by | attribute   | <a href="#">StockSheet/@PieceType</a> |            |  |
| facets  | Kind        | Value                                 | Annotation |  |
|         | enumeration | Sheet                                 |            |  |
|         | enumeration | Roll                                  |            |  |

### simpleType **TextType\_2010**

|            |                                 |                                                                                                                                                                                                     |            |  |
|------------|---------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|--|
| type       | restriction of <b>xs:string</b> |                                                                                                                                                                                                     |            |  |
| properties | base                            | xs:string                                                                                                                                                                                           |            |  |
| used by    | attributes                      | <a href="#">Product/@Description</a> <a href="#">Project/@Description</a> <a href="#">Product/@Name</a> <a href="#">Project/@Name</a> <a href="#">Product/@Notes</a> <a href="#">Project/@Notes</a> |            |  |
| facets     | Kind                            | Value                                                                                                                                                                                               | Annotation |  |
|            | minLength                       | 0                                                                                                                                                                                                   |            |  |
|            | maxLength                       | 2010                                                                                                                                                                                                |            |  |

### simpleType **TextType\_Barcode**

|            |                                 |                                                      |            |  |
|------------|---------------------------------|------------------------------------------------------|------------|--|
| type       | restriction of <b>xs:string</b> |                                                      |            |  |
| properties | base                            | xs:string                                            |            |  |
| used by    | attribute                       | <a href="#">BarcodeProperties/@HumanReadableText</a> |            |  |
| facets     | Kind                            | Value                                                | Annotation |  |
|            | minLength                       | 0                                                    |            |  |
|            | maxLength                       | 255                                                  |            |  |

### simpleType **TextType\_Max**

|            |                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |  |
|------------|---------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|
| type       | restriction of <b>xs:string</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |  |
| properties | base                            | xs:string                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |  |
| used by    | simpleType<br>attributes        | <a href="#">RefIDType</a><br><a href="#">ProductContentType/@BackContentFile</a> <a href="#">BarcodeProperties/@BarcodeText</a> <a href="#">Stock/@BasisWeightName</a><br><a href="#">SendEmail/@BodyFileName</a> <a href="#">StockSheet/@BuySize</a> <a href="#">MIS ID</a> <a href="#">Customer/@City</a><br><a href="#">BindingMachineDefinition/@CollationMarksTrailingText</a> <a href="#">Customer/@CompanyID</a> <a href="#">Customer/@CompanyName</a><br><a href="#">HotFolder/@CompletedFolder</a> <a href="#">GroupAttrExportJDF/@ContentDestinationFolder</a><br><a href="#">ProductContentType/@ContentFile</a> <a href="#">GroupAttrExportJDF/@ContentSourcePath</a> <a href="#">Customer/@Country</a><br><a href="#">Customer/@CountryCode</a> <a href="#">ProductContentType/@CoverContentFile</a> <a href="#">PressDefinition/@CutterDeviceID</a><br><a href="#">DigitalCuttingTool/@CutterOperation</a> <a href="#">DigitalCuttingTool/@Description</a> <a href="#">HotFolder/@Description</a><br><a href="#">DigitalCuttingMachineDefinition/@Description</a> <a href="#">GroupAttrExport/@DestinationFolder</a><br><a href="#">Logging/@DestinationFolder</a> <a href="#">ExportZipFile/@DestinationFolder</a> <a href="#">PressDefinition/@DeviceID</a><br><a href="#">DieCutterToolDefinition/@DeviceID</a> <a href="#">CuttingMachineDefinition/@DeviceID</a><br><a href="#">DigitalCuttingMachineDefinition/@DeviceID</a> <a href="#">BindingMachineDefinition/@DeviceID</a> <a href="#">PlantReference/@DeviceID</a><br><a href="#">Page/@DisplayImageFile</a> <a href="#">Product/@DueDate</a> <a href="#">CustomerContact/@Email</a> <a href="#">HotFolder/@FailedFolder</a><br><a href="#">CustomerContact/@Fax</a> <a href="#">MarkFile/@FileName</a> <a href="#">SelectedLayouts/@filename</a> <a href="#">ExportZipFile/@FilenameFormat</a><br><a href="#">GroupAttrExport/@FilenameFormat</a> <a href="#">Component/@FinishingGroup</a> <a href="#">Page/@Folio</a><br><a href="#">ProductContentType/@FrontContentFile</a> <a href="#">HotFolder/@InputFolder</a> <a href="#">PressDefinition/@IPAddress</a><br><a href="#">CustomerContact/@JobTitle</a> <a href="#">SelectedLayouts/@key</a> <a href="#">HotFolder/@LogFolder</a><br><a href="#">HotFolder/@MacNetworkPathToInput</a> <a href="#">DigitalCuttingMachineDefinition/@Manufacturer</a><br><a href="#">ModelInformation/@Manufacturer</a> <a href="#">Product/@MIS GROUP ID</a> <a href="#">StockSheet/@MIS ID</a> <a href="#">Component/@MIS ID</a><br><a href="#">Product/@MIS ID</a> <a href="#">Project/@MIS ID</a> <a href="#">PlantBase/@MIS ID</a> <a href="#">LayoutDefinition/@MIS ID</a> <a href="#">Ink/@MIS ID</a><br><a href="#">ModelInformation/@ModelName</a> <a href="#">ModelInformation/@ModelNumber</a><br><a href="#">DieCutterToolDefinition/@MultiUpDieFileName</a> <a href="#">AddCutterAlignmentMarks/@Name</a> <a href="#">AddDefaultBleed/@Name</a><br><a href="#">AddDefaultJogAndSpineTrim/@Name</a> <a href="#">ApplyCutterAlignmentMarks/@Name</a> <a href="#">ApplyShingling/@Name</a><br><a href="#">ApplyStandards/@Name</a> <a href="#">AssignLayoutRampageWorkflows/@Name</a> <a href="#">AssignPageRampageWorkflows/@Name</a><br><a href="#">AutoLayout/@Name</a> <a href="#">AutoMarks/@Name</a> <a href="#">AutoPlan/@Name</a> <a href="#">AutoProduction/@Name</a> <a href="#">CheckProject/@Name</a><br><a href="#">Logging/@Name</a> <a href="#">SetProjectProperty/@Name</a> <a href="#">ExportJDFBinding/@Name</a> <a href="#">DigitalCuttingTool/@Name</a><br><a href="#">ExportImposedPDF/@Name</a> <a href="#">SendEmail/@Name</a> <a href="#">ExportICut/@Name</a> <a href="#">SaveToMetrixDatabase/@Name</a><br><a href="#">ExportCompleteJDFImposition/@Name</a> <a href="#">ExportCIP3Folding/@Name</a> <a href="#">ExportBarcodedImposedPDF/@Name</a> |  |  |

|        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |       |            |
|--------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------------|
|        | <a href="#">CheckProductContent/@Name</a> <a href="#">User/@Name</a> <a href="#">ExportLayoutImages/@Name</a> <a href="#">PlantBase/@Name</a> <a href="#">CheckLayoutSheetAreaUse/@Name</a> <a href="#">HotFolder/@Name</a> <a href="#">ExportZipFile/@Name</a> <a href="#">ExportCIP3Cutting/@Name</a> <a href="#">ExportReportToPrinter/@Name</a> <a href="#">ExportReportToPDF/@Name</a> <a href="#">ExportPrepsTemplate/@Name</a> <a href="#">ExportMetrixXML/@Name</a> <a href="#">ExportJDFStripping/@Name</a> <a href="#">CutterAlignmentMarkGroupDefinition/@Name</a> <a href="#">ExportJDFImposition/@Name</a> <a href="#">ExportJDFFolding/@Name</a> <a href="#">ExportJDFCutting/@Name</a> <a href="#">PreviousInventoryItemStock/@OLD</a> <a href="#">MIS ID</a> <a href="#">DieCutterToolItem/@OneUpDieFileName</a> <a href="#">HotFolder/@OutputFolder</a> <a href="#">CustomerContact/@Phone</a> <a href="#">PressDefinition/@PlateBrand</a> <a href="#">Customer/@PostalCode</a> <a href="#">Customer/@PostBox</a> <a href="#">ExportPrepsTemplate/@PrepsMarksMasterFile</a> <a href="#">TaskInfo/@PreviousProjectID</a> <a href="#">ExportReportToPrinter/@PrinterName</a> <a href="#">HotFolder/@ProcessingFolder</a> <a href="#">Project/@ProjectID</a> <a href="#">Customer/@Region</a> <a href="#">CustomerContact/@SalesRep</a> <a href="#">ModelInformation/@SerialNumber</a> <a href="#">PressDefinition/@ServerName</a> <a href="#">Customer/@Street</a> <a href="#">SendEmail/@SubjectFileName</a> <a href="#">PressDefinition/@SubType</a> <a href="#">ProductContentType/@TextContentFile</a> <a href="#">SaveToMetrixDatabase/@TriggerDestinationFolder</a> <a href="#">Customer/@WebAddress</a> <a href="#">HotFolder/@WindowsNetworkPathToInput</a> <a href="#">ExportJDFImposition/@XMFTemplateName</a> |       |            |
| facets | Kind                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Value | Annotation |
|        | minLength                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 0     |            |
|        | maxLength                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 250   |            |

### simpleType **TextType\_Medium**

|            |                                 |                                                                                                                                                                                                                             |            |
|------------|---------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| type       | restriction of <b>xs:string</b> |                                                                                                                                                                                                                             |            |
| properties | base                            | xs:string                                                                                                                                                                                                                   |            |
| used by    | attributes                      | <a href="#">CustomerContact/@FamilyName</a> <a href="#">CustomerContact/@FirstName</a> <a href="#">Project/@RampageJobTemplateDescription</a> <a href="#">Project/@RampageJobTemplateName</a> <a href="#">Stock/@Vendor</a> |            |
| facets     | Kind                            | Value                                                                                                                                                                                                                       | Annotation |
|            | minLength                       | 0                                                                                                                                                                                                                           |            |
|            | maxLength                       | 90                                                                                                                                                                                                                          |            |

### simpleType **TextType\_Short**

|            |                                 |                                                                                                                                                                                                                            |            |
|------------|---------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| type       | restriction of <b>xs:string</b> |                                                                                                                                                                                                                            |            |
| properties | base                            | xs:string                                                                                                                                                                                                                  |            |
| used by    | attributes                      | <a href="#">Product/@DielineColor</a> <a href="#">Component/@LocalDielineColor</a> <a href="#">Ink/@Name</a> <a href="#">AssignPageRampageWorkflows/@RampageWorkflowName</a> <a href="#">RampageWorkflow/@WorkflowName</a> |            |
| facets     | Kind                            | Value                                                                                                                                                                                                                      | Annotation |
|            | minLength                       | 0                                                                                                                                                                                                                          |            |
|            | maxLength                       | 30                                                                                                                                                                                                                         |            |

### simpleType **TransparencyToleranceType**

|            |                                  |                                                                                                                                                               |            |
|------------|----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| type       | restriction of <b>xs:integer</b> |                                                                                                                                                               |            |
| properties | base                             | xs:integer                                                                                                                                                    |            |
| used by    | attributes                       | <a href="#">ProjectDefaults/@DefaultTransparencyTolerance</a> <a href="#">Page/@TransparencyTolerance</a> <a href="#">PageDefaults/@TransparencyTolerance</a> |            |
| facets     | Kind                             | Value                                                                                                                                                         | Annotation |
|            | minInclusive                     | 0                                                                                                                                                             |            |
|            | maxInclusive                     | 255                                                                                                                                                           |            |

### simpleType **WeightUnitType**

|            |                                 |                                   |  |
|------------|---------------------------------|-----------------------------------|--|
| type       | restriction of <b>xs:string</b> |                                   |  |
| properties | base                            | xs:string                         |  |
| used by    | attribute                       | <a href="#">Stock/@WeightUnit</a> |  |

|        |             |       |            |
|--------|-------------|-------|------------|
| facets | Kind        | Value | Annotation |
|        | enumeration | gsm   |            |
|        | enumeration | lb    |            |
|        | enumeration | oz    |            |

simpleType **WhiteKnockoutThicknessFactorType**

|            |                                 |                                                               |            |
|------------|---------------------------------|---------------------------------------------------------------|------------|
| type       | restriction of <b>xs:string</b> |                                                               |            |
| properties | base                            | xs:string                                                     |            |
| used by    | attribute                       | <a href="#">GroupAttrExportMarks/@KnockoutThicknessFactor</a> |            |
| facets     | Kind                            | Value                                                         | Annotation |
|            | enumeration                     | None                                                          |            |
|            | enumeration                     | X2                                                            |            |
|            | enumeration                     | X3                                                            |            |
|            | enumeration                     | X5                                                            |            |

simpleType **WorkAndTurnOriginType**

|            |                                 |                                                             |            |
|------------|---------------------------------|-------------------------------------------------------------|------------|
| type       | restriction of <b>xs:string</b> |                                                             |            |
| properties | base                            | xs:string                                                   |            |
| used by    | attribute                       | <a href="#">GroupAttrLayout/@WorkAndTurnPlacementOrigin</a> |            |
| facets     | Kind                            | Value                                                       | Annotation |
|            | enumeration                     | OutsideEdge                                                 |            |
|            | enumeration                     | Center                                                      |            |

attributeGroup **CutterAlignmentMarkAttributes**

|            |                                          |                                                    |          |         |       |                                                                                              |
|------------|------------------------------------------|----------------------------------------------------|----------|---------|-------|----------------------------------------------------------------------------------------------|
| used by    | element                                  | <a href="#">CutterAlignmentMark</a>                |          |         |       |                                                                                              |
|            | complexType                              | <a href="#">CutterAlignmentMarkGroupDefinition</a> |          |         |       |                                                                                              |
| attributes | Name                                     | Type                                               | Use      | Default | Fixed | Annotation                                                                                   |
|            | <a href="#">CutterAlignmentType</a>      | <b>derived by: xs:string</b>                       | required |         |       | documentation<br>The type of Cutter Alignment Mark.                                          |
|            | <a href="#">CutterAlignmentSpotBlack</a> | <b>xs:boolean</b>                                  | required |         |       | documentation<br>Uses a spot black ink for Cutter Alignment Marks rather than process black. |
|            | <a href="#">CutterAlignmentSpotWhite</a> | <b>xs:boolean</b>                                  | required |         |       | documentation<br>Uses a spot white ink for Cutter Alignment Marks rather than no ink.        |
|            | <a href="#">CutterAlignmentSpotUV</a>    | <b>xs:boolean</b>                                  |          | false   |       | documentation<br>Indicates that Inks used for Cutter Alignment Marks UV Inks.                |

|  |                                                                                       |                                              |
|--|---------------------------------------------------------------------------------------|----------------------------------------------|
|  | <a href="#">CutterAlignmentInnerSize</a> <a href="#">LinearDimensionType</a> required | documentation<br>Diameter of the inner mark. |
|  | <a href="#">CutterAlignmentOuterSize</a> <a href="#">LinearDimensionType</a> required | documentation<br>Diameter of the outer mark. |

#### attribute **CutterAlignmentMarkAttributes/@CutterAlignmentType**

|            |                                                     |                          |            |
|------------|-----------------------------------------------------|--------------------------|------------|
| type       | restriction of <b>xs:string</b>                     |                          |            |
| properties | use                                                 | required                 |            |
| facets     | Kind                                                | Value                    | Annotation |
|            | enumeration                                         | WhiteCircleOnBlackSquare |            |
|            | enumeration                                         | WhiteCircleOnBlackCircle |            |
|            | enumeration                                         | BlackCircleOnWhiteCircle |            |
|            | enumeration                                         | BlackCircleOnWhiteSquare |            |
|            | enumeration                                         | CrossHair                |            |
| annotation | documentation<br>The type of Cutter Alignment Mark. |                          |            |

#### attribute **CutterAlignmentMarkAttributes/@CutterAlignmentSpotBlack**

|            |                                                                                              |          |  |
|------------|----------------------------------------------------------------------------------------------|----------|--|
| type       | <b>xs:boolean</b>                                                                            |          |  |
| properties | use                                                                                          | required |  |
| annotation | documentation<br>Uses a spot black ink for Cutter Alignment Marks rather than process black. |          |  |

#### attribute **CutterAlignmentMarkAttributes/@CutterAlignmentSpotWhite**

|            |                                                                                       |          |  |
|------------|---------------------------------------------------------------------------------------|----------|--|
| type       | <b>xs:boolean</b>                                                                     |          |  |
| properties | use                                                                                   | required |  |
| annotation | documentation<br>Uses a spot white ink for Cutter Alignment Marks rather than no ink. |          |  |

#### attribute **CutterAlignmentMarkAttributes/@CutterAlignmentSpotUV**

|            |                                                                               |       |  |
|------------|-------------------------------------------------------------------------------|-------|--|
| type       | xs:boolean                                                                    |       |  |
| properties | default                                                                       | false |  |
| annotation | documentation<br>Indicates that Inks used for Cutter Alignment Marks UV Inks. |       |  |

#### attribute **CutterAlignmentMarkAttributes/@CutterAlignmentInnerSize**

|            |                                              |          |  |
|------------|----------------------------------------------|----------|--|
| type       | <a href="#">LinearDimensionType</a>          |          |  |
| properties | use                                          | required |  |
| annotation | documentation<br>Diameter of the inner mark. |          |  |

attribute **CutterAlignmentMarkAttributes/@CutterAlignmentOuterSize**

|            |                                              |
|------------|----------------------------------------------|
| type       | <a href="#">LinearDimensionType</a>          |
| properties | use required                                 |
| annotation | documentation<br>Diameter of the outer mark. |

attributeGroup **FoldingSchemeRefAttr**

|            |                                                                                             |                           |          |         |       |                                                                                                                                                                                                                                                                                                                                |
|------------|---------------------------------------------------------------------------------------------|---------------------------|----------|---------|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| used by    | complexTypes <a href="#">FoldingSchemeDefinition</a> <a href="#">FoldingSchemeReference</a> |                           |          |         |       |                                                                                                                                                                                                                                                                                                                                |
| attributes | Name                                                                                        | Type                      | Use      | Default | Fixed | Annotation                                                                                                                                                                                                                                                                                                                     |
|            | <a href="#">ID</a>                                                                          | <a href="#">RefIDType</a> | required |         |       | documentation<br>An identifier for the element, unique within the scope of the MXML document. The ID attribute can be used as a reference to the element from elsewhere in the MXML document. Up to 250 characters.                                                                                                            |
|            | <a href="#">Name</a>                                                                        | <b>xs:string</b>          |          |         |       | documentation<br>The name of the Fold in the Metrix database to be used for the fold. One of either the JDFFoldCatalog attribute or the Name attribute is required. If both are supplied, the Name is used.                                                                                                                    |
|            | <a href="#">JDFFoldCatalog</a>                                                              | <b>xs:string</b>          |          |         |       | documentation<br>The JDF fold catalog identifier describing the type of fold. One of either the JDFFoldCatalog attribute or the Name attribute is required. If both are supplied, the Name is used. However, if a Fold is not found in the Metrix database with a name matching the Name attribute, Metrix attempts to use the |

|  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|--|--|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  |  | <p>JDFFoldCatalog attribute in the way it has for versions prior to 1.0.4. When Metrix 2011.0 and later exports a custom fold, it writes the Name attribute as well as the JDFFoldCatalog attribute as "F" followed by the relevant page count (e.g., "F16" for a 16-page fold). When importing MXML and finding a FoldingScheme element without a Name attribute (or not being able to find a Fold by that name), Metrix reads the JDFFoldCatalog attribute. If the JDFFoldCatalog attribute is an "F" followed by a page count, but not a full JDF fold catalog, Metrix uses the default database Fold item for the relevant page count (the top one in the database Folds list) and displays a message to the user to notify them that a default fold was used.</p> |
|--|--|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

attribute **FoldingSchemeRefAttr/@ID**

|            |                                                                                                                                                                                                                     |          |            |
|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|------------|
| type       | <a href="#">RefIDType</a>                                                                                                                                                                                           |          |            |
| properties | use                                                                                                                                                                                                                 | required |            |
| facets     | Kind                                                                                                                                                                                                                | Value    | Annotation |
|            | minLength                                                                                                                                                                                                           | 0        |            |
|            | maxLength                                                                                                                                                                                                           | 250      |            |
| annotation | documentation<br>An identifier for the element, unique within the scope of the MXML document. The ID attribute can be used as a reference to the element from elsewhere in the MXML document. Up to 250 characters. |          |            |

### attribute **FoldingSchemeRefAttr/@Name**

|            |                                                                                                                                                                                                             |
|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| type       | <b>xs:string</b>                                                                                                                                                                                            |
| annotation | documentation<br>The name of the Fold in the Metrix database to be used for the fold. One of either the JDFFoldCatalog attribute or the Name attribute is required. If both are supplied, the Name is used. |

### attribute **FoldingSchemeRefAttr/@JDFFoldCatalog**

|            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| type       | <b>xs:string</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| annotation | documentation<br>The JDF fold catalog identifier describing the type of fold. One of either the JDFFoldCatalog attribute or the Name attribute is required. If both are supplied, the Name is used. However, if a Fold is not found in the Metrix database with a name matching the Name attribute, Metrix attempts to use the JDFFoldCatalog attribute in the way it has for versions prior to 1.0.4.<br>When Metrix 2011.0 and later exports a custom fold, it writes the Name attribute as well as the JDFFoldCatalog attribute as "F" followed by the relevant page count (e.g., "F16" for a 16-page fold). When importing MXML and finding a FoldingScheme element without a Name attribute (or not being able to find a Fold by that name), Metrix reads the JDFFoldCatalog attribute. If the JDFFoldCatalog attribute is an "F" followed by a page count, but not a full JDF fold catalog, Metrix uses the default database Fold item for the relevant page count (the top one in the database Folds list) and displays a message to the user to notify them that a default fold was used. |

### attributeGroup **GroupAttrExport**

|            |                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                         |                                                                                                                     |                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|------------|---------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| used by    | elements                                                                                                                                          | <a href="#">ExportBarcodedImposedPDF</a> <a href="#">ExportCIP3Cutting</a> <a href="#">ExportCIP3Folding</a> <a href="#">ExportICut</a> <a href="#">ExportImposedPDF</a> <a href="#">ExportJDFBinding</a> <a href="#">ExportJDFCutting</a> <a href="#">ExportJDFFolding</a> <a href="#">ExportJDFStripping</a> <a href="#">ExportLayoutImages</a> <a href="#">ExportMetrixXML</a> <a href="#">ExportPrepsTemplate</a> <a href="#">ExportReportToPDF</a> |                                                         |                                                                                                                     |                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|            | attributeGroup                                                                                                                                    | <a href="#">GroupAttrExportJDF</a>                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                         |                                                                                                                     |                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| attributes | <div> Name<br/> <a href="#">ExportToZipFile</a> </div> <div> DestinationFolder<br/> <a href="#">FilenameFormat</a> </div> <div> isSelected </div> | <div> Type<br/> <b>xs:boolean</b> </div> <div> TextType Max </div> <div> TextType Max </div> <div> xs:boolean </div>                                                                                                                                                                                                                                                                                                                                    | <div> Use </div> <div> </div> <div> </div> <div> </div> | <div> Default<br/> false </div> <div> </div> <div> </div> <div> &amp;lt;PROJECT.ID&amp;gt; </div> <div> true </div> | <div> Fixed </div> <div> </div> <div> </div> <div> </div> | <div> Annotation<br/> documentation<br/> If supplied and True, the DestinationFolder is ignored and the exported file(s) are included in the zip file exported by the next ExportZipFile command encountered. </div> <div> documentation<br/> The destination for the exported file. Required unless ExportToZipFile = True. </div> <div> documentation<br/> Default may be set by preference exportAny.ExportFilenameFormat </div> |

### attribute **GroupAttrExport/@ExportToZipFile**

|            |                                                                                                                                                                                       |
|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| type       | <b>xs:boolean</b>                                                                                                                                                                     |
| properties | default false                                                                                                                                                                         |
| annotation | documentation<br>If supplied and True, the DestinationFolder is ignored and the exported file(s) are included in the zip file exported by the next ExportZipFile command encountered. |

### attribute **GroupAttrExport/@DestinationFolder**

|        |                     |       |            |
|--------|---------------------|-------|------------|
| type   | <b>TextType Max</b> |       |            |
| facets | Kind                | Value | Annotation |
|        | minLength           | 0     |            |
|        | maxLength           | 250   |            |

|            |                                                                                                 |
|------------|-------------------------------------------------------------------------------------------------|
| annotation | documentation<br>The destination for the exported file. Required unless ExportToZipFile = True. |
|------------|-------------------------------------------------------------------------------------------------|

#### attribute **GroupAttrExport/@FilenameFormat**

|            |                                                                                  |                    |            |
|------------|----------------------------------------------------------------------------------|--------------------|------------|
| type       | <a href="#">TextType Max</a>                                                     |                    |            |
| properties | default                                                                          | &lt;PROJECT.ID&gt; |            |
| facets     | Kind                                                                             | Value              | Annotation |
|            | minLength                                                                        | 0                  |            |
|            | maxLength                                                                        | 250                |            |
| annotation | documentation<br>Default may be set by preference exportAny.ExportFilenameFormat |                    |            |

#### attribute **GroupAttrExport/@isSelected**

|            |                   |
|------------|-------------------|
| type       | <b>xs:boolean</b> |
| properties | default true      |

#### attributeGroup **GroupAttrExportJDF**

|            |                                                                                          |                                  |          |                    |       |                                                                                                                                                                                                                                                                        |
|------------|------------------------------------------------------------------------------------------|----------------------------------|----------|--------------------|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| used by    | elements <a href="#">ExportCompleteJDFImposition</a> <a href="#">ExportJDFImposition</a> |                                  |          |                    |       |                                                                                                                                                                                                                                                                        |
| attributes | Name                                                                                     | Type                             | Use      | Default            | Fixed | Annotation                                                                                                                                                                                                                                                             |
|            | <a href="#">ExportToZipFile</a>                                                          | <b>xs:boolean</b>                |          | false              |       | documentation<br>If supplied and True, the DestinationFolder is ignored and the exported file(s) are included in the zip file exported by the next ExportZipFile command encountered.                                                                                  |
|            | <a href="#">DestinationFolder</a>                                                        | <a href="#">TextType Max</a>     |          |                    |       | documentation<br>The destination for the exported file. Required unless ExportToZipFile = True.                                                                                                                                                                        |
|            | <a href="#">FilenameFormat</a>                                                           | <a href="#">TextType Max</a>     |          | &lt;PROJECT.ID&gt; |       | documentation<br>Default may be set by preference exportAny.ExportFilenameFormat                                                                                                                                                                                       |
|            | <a href="#">isSelected</a>                                                               | <b>xs:boolean</b>                |          | true               |       |                                                                                                                                                                                                                                                                        |
|            | <a href="#">ContentDestinationFolder</a>                                                 | <a href="#">TextType Max</a>     | required |                    |       | documentation<br>Often a sub-folder of the JDF Destination Folder, this is the destination for the PDF marks flat. This is also the destination for PDF content files when CopyContentFiles=True and when the content has been assigned within Metrix (populated JDF). |
|            | <a href="#">ContentSourcePath</a>                                                        | <a href="#">TextType Max</a>     | required |                    |       | documentation<br>The destination for the PDF marks flat, and content files if CopyContentFiles=True, relative to the JDF Destination Folder.                                                                                                                           |
|            | <a href="#">ImposeTo</a>                                                                 | <a href="#">AnchorImposeType</a> | required |                    |       | documentation<br>The area to impose to.                                                                                                                                                                                                                                |
|            | <a href="#">CopyContentFiles</a>                                                         | <b>xs:boolean</b>                |          | true               |       | documentation<br>When True, Metrix will copy any assigned content files to the ContentDestinationFolder.                                                                                                                                                               |

|  |                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|--|-------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | <a href="#">EmbedFileMarks</a> <b>xs:boolean</b> true                                     | <p>When False, no assigned content will be copied.</p> <p>documentation</p> <p>When True, Metrix will embed file marks in the PDF marks flat.</p> <p>documentation</p> <p>When True, any Negative Bleed area specified in Metrix will be cropped.</p> <p>documentation</p> <p>Specify a PDF Sheet Bleed margin when exporting Imposed PDF, Barcoded Imposed PDF, and JDF. This setting adds the specified margin to the mediabox all around the sheet and sets the trimbox to the exact sheet size and ensures marks can bleed off the edge of the sheet.</p> |
|  | <a href="#">ExportNegativeBleeds</a> <b>xs:boolean</b> false                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|  | <a href="#">PdfSheetBleed</a> <b>derived by:</b><br><a href="#">LinearDimensionType</a> 0 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |

#### attribute **GroupAttrExportJDF/@ContentDestinationFolder**

|            |                                                                                                                                                                                                                                                                                   |       |            |
|------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------------|
| type       | <a href="#">TextType Max</a>                                                                                                                                                                                                                                                      |       |            |
| properties | use required                                                                                                                                                                                                                                                                      |       |            |
| facets     | Kind                                                                                                                                                                                                                                                                              | Value | Annotation |
|            | minLength                                                                                                                                                                                                                                                                         | 0     |            |
|            | maxLength                                                                                                                                                                                                                                                                         | 250   |            |
| annotation | <p>documentation</p> <p>Often a sub-folder of the JDF Destination Folder, this is the destination for the PDF marks flat. This is also the destination for PDF content files when CopyContentFiles=True and when the content has been assigned within Metrix (populated JDF).</p> |       |            |

#### attribute **GroupAttrExportJDF/@ContentSourcePath**

|            |                                                                                                                                                         |       |            |
|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------------|
| type       | <a href="#">TextType Max</a>                                                                                                                            |       |            |
| properties | use required                                                                                                                                            |       |            |
| facets     | Kind                                                                                                                                                    | Value | Annotation |
|            | minLength                                                                                                                                               | 0     |            |
|            | maxLength                                                                                                                                               | 250   |            |
| annotation | <p>documentation</p> <p>The destination for the PDF marks flat, and content files if CopyContentFiles=True, relative to the JDF Destination Folder.</p> |       |            |

#### attribute **GroupAttrExportJDF/@ImposeTo**

|            |                                                    |            |            |
|------------|----------------------------------------------------|------------|------------|
| type       | <a href="#">AnchorImposeType</a>                   |            |            |
| properties | use required                                       |            |            |
| facets     | Kind                                               | Value      | Annotation |
|            | enumeration                                        | PressPlate |            |
|            | enumeration                                        | PressSheet |            |
| annotation | <p>documentation</p> <p>The area to impose to.</p> |            |            |

#### attribute **GroupAttrExportJDF/@CopyContentFiles**

|      |                   |
|------|-------------------|
| type | <b>xs:boolean</b> |
|------|-------------------|

|            |                                                                                                                                                          |
|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| properties | default true                                                                                                                                             |
| annotation | documentation<br>When True, Metrix will copy any assigned content files to the ContentDestinationFolder. When False, no assigned content will be copied. |

attribute **GroupAttrExportJDF/@EmbedFileMarks**

|            |                                                                                 |
|------------|---------------------------------------------------------------------------------|
| type       | <b>xs:boolean</b>                                                               |
| properties | default true                                                                    |
| annotation | documentation<br>When True, Metrix will embed file marks in the PDF marks flat. |

attribute **GroupAttrExportJDF/@ExportNegativeBleeds**

|            |                                                                                          |
|------------|------------------------------------------------------------------------------------------|
| type       | <b>xs:boolean</b>                                                                        |
| properties | default false                                                                            |
| annotation | documentation<br>When True, any Negative Bleed area specified in Metrix will be cropped. |

attribute **GroupAttrExportJDF/@PdfSheetBleed**

|            |                                                                                                                                                                                                                                                                                              |
|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| type       | restriction of <a href="#">LinearDimensionType</a>                                                                                                                                                                                                                                           |
| properties | default 0                                                                                                                                                                                                                                                                                    |
| facets     | <div>KindValueAnnotation</div> <div>minInclusive0</div> <div>maxInclusive2</div>                                                                                                                                                                                                             |
| annotation | documentation<br>Specify a PDF Sheet Bleed margin when exporting Imposed PDF, Barcoded Imposed PDF, and JDF. This setting adds the specified margin to the mediabox all around the sheet and sets the trimbox to the exact sheet size and ensures marks can bleed off the edge of the sheet. |

attributeGroup **GroupAttrExportMarks**

|            |                                                                                                        |                                                    |          |         |       |                                                                                                                                            |
|------------|--------------------------------------------------------------------------------------------------------|----------------------------------------------------|----------|---------|-------|--------------------------------------------------------------------------------------------------------------------------------------------|
| used by    | elements <a href="#">ExternalFoldMarks</a> <a href="#">InternalFoldMarks</a> <a href="#">TrimMarks</a> |                                                    |          |         |       |                                                                                                                                            |
| attributes | Name                                                                                                   | Type                                               | Use      | Default | Fixed | Annotation                                                                                                                                 |
|            | <a href="#">ThicknessPoints</a>                                                                        | <a href="#">PointsType</a> <b>MaxMarkThickness</b> | required |         |       | documentation<br>The mark thickness or weight in points.                                                                                   |
|            | <a href="#">OverPageContent</a>                                                                        | <b>xs:boolean</b>                                  | required |         |       | documentation<br>When True, fold marks will overprint page content.                                                                        |
|            | <a href="#">AllSeparations</a>                                                                         | <b>xs:boolean</b>                                  | required |         |       | documentation<br>When True, the marks print in All Separations. If False, the InkRef will refer to the Ink element the marks should print. |

|  |                                                                                          |      |                                                                                                                                              |
|--|------------------------------------------------------------------------------------------|------|----------------------------------------------------------------------------------------------------------------------------------------------|
|  | <a href="#">KnockoutThicknessFactor</a> <a href="#">WhiteKnockoutThicknessFactorType</a> | None | documentation<br>Used when exporting. Defines the thickness of the knockout area for line marks relative to the thickness of the line marks. |
|--|------------------------------------------------------------------------------------------|------|----------------------------------------------------------------------------------------------------------------------------------------------|

#### attribute **GroupAttrExportMarks/@ThicknessPoints**

|            |                                                             |       |            |
|------------|-------------------------------------------------------------|-------|------------|
| type       | <a href="#">PointsType</a> <a href="#">MaxMarkThickness</a> |       |            |
| properties | use required                                                |       |            |
| facets     | Kind                                                        | Value | Annotation |
|            | minInclusive                                                | 0     |            |
|            | maxInclusive                                                | 7200  |            |
| annotation | documentation<br>The mark thickness or weight in points.    |       |            |

#### attribute **GroupAttrExportMarks/@OverPageContent**

|            |                                                                     |  |  |
|------------|---------------------------------------------------------------------|--|--|
| type       | <b>xs:boolean</b>                                                   |  |  |
| properties | use required                                                        |  |  |
| annotation | documentation<br>When True, fold marks will overprint page content. |  |  |

#### attribute **GroupAttrExportMarks/@AllSeparations**

|            |                                                                                                                                            |  |  |
|------------|--------------------------------------------------------------------------------------------------------------------------------------------|--|--|
| type       | <b>xs:boolean</b>                                                                                                                          |  |  |
| properties | use required                                                                                                                               |  |  |
| annotation | documentation<br>When True, the marks print in All Separations. If False, the InkRef will refer to the Ink element the marks should print. |  |  |

#### attribute **GroupAttrExportMarks/@KnockoutThicknessFactor**

|            |                                                                                                                                              |       |            |
|------------|----------------------------------------------------------------------------------------------------------------------------------------------|-------|------------|
| type       | <a href="#">WhiteKnockoutThicknessFactorType</a>                                                                                             |       |            |
| properties | default None                                                                                                                                 |       |            |
| facets     | Kind                                                                                                                                         | Value | Annotation |
|            | enumeration                                                                                                                                  | None  |            |
|            | enumeration                                                                                                                                  | X2    |            |
|            | enumeration                                                                                                                                  | X3    |            |
|            | enumeration                                                                                                                                  | X5    |            |
| annotation | documentation<br>Used when exporting. Defines the thickness of the knockout area for line marks relative to the thickness of the line marks. |       |            |

#### attributeGroup **GroupAttrExportPDF**

|            |                          |                                                                           |     |         |       |               |
|------------|--------------------------|---------------------------------------------------------------------------|-----|---------|-------|---------------|
| used by    | elements                 | <a href="#">ExportBarcodedImposedPDF</a> <a href="#">ExportImposedPDF</a> |     |         |       |               |
| attributes | Name                     | Type                                                                      | Use | Default | Fixed | Annotation    |
|            | <a href="#">ExportAs</a> | <a href="#">PDFImpositionOutputFormatType</a>                             |     | OneFile |       | documentation |

|  |                                      |                                                 |          |       |                                                                                                                                                                                                                                                                                              |
|--|--------------------------------------|-------------------------------------------------|----------|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  |                                      |                                                 |          |       | The PDF file(s) to create.                                                                                                                                                                                                                                                                   |
|  | <a href="#">ImposeTo</a>             | <a href="#">AnchorObjectType</a>                | required |       | documentation<br>The object to impose to.                                                                                                                                                                                                                                                    |
|  | <a href="#">ExportNegativeBleeds</a> | xs:boolean                                      |          | false | documentation<br>Whether any negative bleed area specified in Metrix should be cropped to zero or honored when exported.                                                                                                                                                                     |
|  | <a href="#">ForceQuantityOne</a>     | xs:boolean                                      |          | false | documentation<br>Fiery only.                                                                                                                                                                                                                                                                 |
|  | <a href="#">IncludeContent</a>       | xs:boolean                                      |          | true  | documentation<br>Whether to image any content files when exporting.                                                                                                                                                                                                                          |
|  | <a href="#">PdfSheetBleed</a>        | derived by: <a href="#">LinearDimensionType</a> |          | 0     | documentation<br>Specify a PDF Sheet Bleed margin when exporting Imposed PDF, Barcoded Imposed PDF, and JDF. This setting adds the specified margin to the mediabox all around the sheet and sets the trimbox to the exact sheet size and ensures marks can bleed off the edge of the sheet. |

attribute **GroupAttrExportPDF/@ExportAs**

|            |                                               |                               |            |
|------------|-----------------------------------------------|-------------------------------|------------|
| type       | <a href="#">PDFImpositionOutputFormatType</a> |                               |            |
| properties | default                                       | OneFile                       |            |
| facets     | Kind                                          | Value                         | Annotation |
|            | enumeration                                   | OneFile                       |            |
|            | enumeration                                   | SeparateFileForEachLayout     |            |
|            | enumeration                                   | SeparateFileForEachLayoutSide |            |
| annotation | documentation<br>The PDF file(s) to create.   |                               |            |

attribute **GroupAttrExportPDF/@ImposeTo**

|            |                                           |                |            |
|------------|-------------------------------------------|----------------|------------|
| type       | <a href="#">AnchorObjectType</a>          |                |            |
| properties | use required                              |                |            |
| facets     | Kind                                      | Value          | Annotation |
|            | enumeration                               | PressPlate     |            |
|            | enumeration                               | PressSheet     |            |
|            | enumeration                               | ProductTrim    |            |
|            | enumeration                               | Component Trim |            |
| annotation | documentation<br>The object to impose to. |                |            |

attribute **GroupAttrExportPDF/@ExportNegativeBleeds**

|            |                                                                                                                          |  |  |
|------------|--------------------------------------------------------------------------------------------------------------------------|--|--|
| type       | <b>xs:boolean</b>                                                                                                        |  |  |
| properties | default false                                                                                                            |  |  |
| annotation | documentation<br>Whether any negative bleed area specified in Metrix should be cropped to zero or honored when exported. |  |  |

attribute **GroupAttrExportPDF/@ForceQuantityOne**

|            |                              |  |  |
|------------|------------------------------|--|--|
| type       | <b>xs:boolean</b>            |  |  |
| properties | default false                |  |  |
| annotation | documentation<br>Fiery only. |  |  |

attribute **GroupAttrExportPDF/@IncludeContent**

|            |                                                                     |  |  |
|------------|---------------------------------------------------------------------|--|--|
| type       | <b>xs:boolean</b>                                                   |  |  |
| properties | default true                                                        |  |  |
| annotation | documentation<br>Whether to image any content files when exporting. |  |  |

attribute **GroupAttrExportPDF/@PdfSheetBleed**

|            |                                                                                                                                                                                                                                                                                              |       |            |
|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------------|
| type       | restriction of <a href="#">LinearDimensionType</a>                                                                                                                                                                                                                                           |       |            |
| properties | default 0                                                                                                                                                                                                                                                                                    |       |            |
| facets     | Kind                                                                                                                                                                                                                                                                                         | Value | Annotation |
|            | minInclusive                                                                                                                                                                                                                                                                                 | 0     |            |
|            | maxInclusive                                                                                                                                                                                                                                                                                 | 2     |            |
| annotation | documentation<br>Specify a PDF Sheet Bleed margin when exporting Imposed PDF, Barcoded Imposed PDF, and JDF. This setting adds the specified margin to the mediabox all around the sheet and sets the trimbox to the exact sheet size and ensures marks can bleed off the edge of the sheet. |       |            |

attributeGroup **GroupAttrLayout**

|             |                                                                    |                        |     |         |       |                                                                 |
|-------------|--------------------------------------------------------------------|------------------------|-----|---------|-------|-----------------------------------------------------------------|
| used by     | elements <a href="#">AutoLayout</a> <a href="#">AutoProduction</a> |                        |     |         |       |                                                                 |
| attribute s | Name                                                               | Type                   | Use | Default | Fixed | Annotation                                                      |
|             | <a href="#">TimeOutSeconds</a>                                     | derived by: xs:integer |     | 45      |       | documentation<br>The longest amount of time Metrix will work on |

|                                            |                                                       |        |  |                                                                                                                                                                                                                                   |
|--------------------------------------------|-------------------------------------------------------|--------|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                            |                                                       |        |  | calculating each test layout before timing out. Increase this number if you want to give the Metrix engine more calculation time. Defaults to "45".<br>documentation<br>Metrix begins placing products on this edge of the sheet. |
| <a href="#">PlacementOrigin</a>            | <a href="#">LeftRightType</a>                         | Left   |  |                                                                                                                                                                                                                                   |
| <a href="#">WorkAndTurnPlacementOrigin</a> | <a href="#">WorkAndTurnOriginType</a>                 | Center |  | documentation<br>Metrix begins placing products at this point on a work and turn layout.                                                                                                                                          |
| <a href="#">AutoCenterHorizontally</a>     | <b>xs:boolean</b>                                     | true   |  | documentation<br>Default may be set by the "engine.autoCenterHorizontally" preference. Setting this to True automatically centers all layouts horizontally.                                                                       |
| <a href="#">AutoCenterVertically</a>       | <a href="#">AutoCenterVerticallyType</a>              | False  |  | documentation<br>Default may be set by the "engine.autoCenterVertical" preference. Setting this to True automatically centers all layouts vertically.                                                                             |
| <a href="#">IgnoreIfHasInstances</a>       | <b>xs:boolean</b>                                     | false  |  | documentation<br>Allows AutoLayout to skip running against any layout that already has component instances. It will run against the layout only if it has components, but nothing has been placed on the layout.                  |
| <a href="#">AutoAlignOutsideCuts</a>       | <b>xs:boolean</b>                                     | false  |  | documentation<br>Setting this to True automatically aligns the outside (horizontal and vertical) cuts of products on layouts, leaving any extra space in the interior of the layout.                                              |
| <a href="#">AutoAlignOutsideEdges</a>      | <b>xs:boolean</b>                                     | false  |  | Renamed in MXML 1.5.2 (both still honored)<br>[Old name: AutoAlignOutsideEdges]<br>documentation<br>Old name for AutoAlignOutsideCuts. Renamed in MXML 1.5.2 (both are still honored).                                            |
| <a href="#">GapBetweenPlacementGroups</a>  | <a href="#">LinearDimension PlacementGroupGapType</a> | 0      |  | documentation<br>The amount of space to insert between Placement Groups originating from one or more Product Groups. Defaults to "0".                                                                                             |

#### attribute **GroupAttrLayout/@TimeoutSeconds**

|            |                                  |
|------------|----------------------------------|
| type       | restriction of <b>xs:integer</b> |
| properties | default 45                       |

|            |                                                                                                                                                                                                                     |                    |            |
|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|------------|
| facets     | Kind<br>minInclusive<br>maxInclusive                                                                                                                                                                                | Value<br>5<br>3600 | Annotation |
| annotation | documentation<br>The longest amount of time Metrix will work on calculating each test layout before timing out. Increase this number if you want to give the Metrix engine more calculation time. Defaults to "45". |                    |            |

#### attribute **GroupAttrLayout/@PlacementOrigin**

|            |                                                                            |                        |            |
|------------|----------------------------------------------------------------------------|------------------------|------------|
| type       | <a href="#">LeftRightType</a>                                              |                        |            |
| properties | default                                                                    | Left                   |            |
| facets     | Kind<br>enumeration<br>enumeration                                         | Value<br>Left<br>Right | Annotation |
| annotation | documentation<br>Metrix begins placing products on this edge of the sheet. |                        |            |

#### attribute **GroupAttrLayout/@WorkAndTurnPlacementOrigin**

|            |                                                                                          |                                |            |
|------------|------------------------------------------------------------------------------------------|--------------------------------|------------|
| type       | <a href="#">WorkAndTurnOriginType</a>                                                    |                                |            |
| properties | default                                                                                  | Center                         |            |
| facets     | Kind<br>enumeration<br>enumeration                                                       | Value<br>OutsideEdge<br>Center | Annotation |
| annotation | documentation<br>Metrix begins placing products at this point on a work and turn layout. |                                |            |

#### attribute **GroupAttrLayout/@AutoCenterHorizontally**

|            |                                                                                                                                                              |      |  |
|------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|------|--|
| type       | xs:boolean                                                                                                                                                   |      |  |
| properties | default                                                                                                                                                      | true |  |
| annotation | documentation<br>Default may be set by the "engine.autoCenterHorizontal" preference.<br>Setting this to True automatically centers all layouts horizontally. |      |  |

#### attribute **GroupAttrLayout/@AutoCenterVertically**

|            |                                                                                                                                                          |                                                          |            |
|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|------------|
| type       | <a href="#">AutoCenterVerticallyType</a>                                                                                                                 |                                                          |            |
| properties | default                                                                                                                                                  | False                                                    |            |
| facets     | Kind<br>enumeration<br>enumeration<br>enumeration                                                                                                        | Value<br>False<br>CenterOnSheet<br>CenterInImageableArea | Annotation |
| annotation | documentation<br>Default may be set by the "engine.autoCenterVertical" preference.<br>Setting this to True automatically centers all layouts vertically. |                                                          |            |

#### attribute **GroupAttrLayout/@IgnoreIfHasInstances**

|            |                   |       |  |
|------------|-------------------|-------|--|
| type       | <b>xs:boolean</b> |       |  |
| properties | default           | false |  |

|            |                                                                                                                                                                                                                 |
|------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| annotation | documentation<br>Allows AutoLayout to skip running against any layout that already has component instances. It will run against the layout only if it has compnents, but nothing has been placed on the layout. |
|------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

attribute
**GroupAttrLayout/@AutoAlignOutsideCuts**

|            |                                                                                                                                                                                                                                                                             |
|------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| type       | xs:boolean                                                                                                                                                                                                                                                                  |
| properties | default false                                                                                                                                                                                                                                                               |
| annotation | documentation<br>Setting this to True automatically aligns the outside (horizontal and vertical) cuts of products on layouts, leaving any extra space in the interior of the layout.<br><br>Renamed in MXML 1.5.2 (both still honored)<br>[Old name: AutoAlignOutsideEdges] |

attribute
**GroupAttrLayout/@AutoAlignOutsideEdges**

|            |                                                                                                     |
|------------|-----------------------------------------------------------------------------------------------------|
| type       | xs:boolean                                                                                          |
| properties | default false                                                                                       |
| annotation | documentation<br>Old name for AutoAlignOutsideCuts. Renamed in MXML 1.5.2 (both are still honored). |

attribute
**GroupAttrLayout/@GapBetweenPlacementGroups**

|            |                                                                                                                                       |       |            |
|------------|---------------------------------------------------------------------------------------------------------------------------------------|-------|------------|
| type       | <a href="#">LinearDimension</a> <a href="#">PlacementGroupGapType</a>                                                                 |       |            |
| properties | default 0                                                                                                                             |       |            |
| facets     | Kind                                                                                                                                  | Value | Annotation |
|            | minInclusive                                                                                                                          | 0     |            |
|            | maxInclusive                                                                                                                          | 457.2 |            |
| annotation | documentation<br>The amount of space to insert between Placement Groups originating from one or more Product Groups. Defaults to "0". |       |            |

attributeGroup
**MarkBaseAttributes**

|            |                                                                                                                                                          |                                        |          |         |       |                                                                                                    |
|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|----------|---------|-------|----------------------------------------------------------------------------------------------------|
| used by    | elements <a href="#">BarcodeMark</a> <a href="#">CutterAlignmentMark</a> <a href="#">LineMark</a> <a href="#">RectangleMark</a> <a href="#">TextMark</a> |                                        |          |         |       |                                                                                                    |
| attributes | Name                                                                                                                                                     | Type                                   | Use      | Default | Fixed | Annotation                                                                                         |
|            | <a href="#">HorizontalOffset</a>                                                                                                                         | <a href="#">LinearDimensionType</a>    | required |         |       | documentation<br>The horizontal offset amount of the mark from the lower-left corner of the sheet. |
|            | <a href="#">LayoutAnchorHorizontal</a>                                                                                                                   | <a href="#">MarkAnchorLocationType</a> | required |         |       | documentation<br>Horizontal anchor point on the layout.                                            |
|            | <a href="#">LayoutAnchorObject</a>                                                                                                                       | <a href="#">MarkAnchorObjectType</a>   | required |         |       | documentation<br>Mark is anchored relative to the selected object.                                 |
|            | <a href="#">LayoutAnchorVertical</a>                                                                                                                     | <a href="#">MarkAnchorLocationType</a> | required |         |       | documentation<br>Vertical anchor                                                                   |

|  |                                      |                                        |          |                                                                                                                                         |
|--|--------------------------------------|----------------------------------------|----------|-----------------------------------------------------------------------------------------------------------------------------------------|
|  | <a href="#">MarkAnchorHorizontal</a> | <a href="#">MarkAnchorLocationType</a> | required | point on the layout.<br>documentation<br>Mark horizontal anchor point.<br>documentation<br>Mark vertical anchor point.<br>documentation |
|  | <a href="#">MarkAnchorVertical</a>   | <a href="#">MarkAnchorLocationType</a> | required |                                                                                                                                         |
|  | <a href="#">MirrorBackup</a>         | xs:boolean                             | required | When True, the position of the mark on the back mirrors the front.<br>documentation                                                     |
|  | <a href="#">OverPageContent</a>      | xs:boolean                             | required | When True, marks will overprint page content.<br>documentation                                                                          |
|  | <a href="#">Output</a>               | <a href="#">MarkOutputType</a>         | required | Mark output type.<br>documentation                                                                                                      |
|  | <a href="#">Placement</a>            | <a href="#">MarkPlacementType</a>      | required | Side(s) of the layout on which to place the mark.<br>documentation                                                                      |
|  | <a href="#">VerticalOffset</a>       | <a href="#">LinearDimensionType</a>    | required | The vertical offset amount of the mark from the lower-left corner of the sheet.<br>documentation                                        |

attribute **MarkBaseAttributes/@HorizontalOffset**

|            |                                                                                                    |
|------------|----------------------------------------------------------------------------------------------------|
| type       | <a href="#">LinearDimensionType</a>                                                                |
| properties | use required                                                                                       |
| annotation | documentation<br>The horizontal offset amount of the mark from the lower-left corner of the sheet. |

attribute **MarkBaseAttributes/@LayoutAnchorHorizontal**

|            |                                                                                                                                                                                                                                                                                                                          |
|------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| type       | <a href="#">MarkAnchorLocationType</a>                                                                                                                                                                                                                                                                                   |
| properties | use required                                                                                                                                                                                                                                                                                                             |
| facets     | <div>Kind</div> <div>enumeration</div> <div>Value</div> <div>Center</div> <div>enumeration</div> <div>Top</div> <div>enumeration</div> <div>Right</div> <div>enumeration</div> <div>Left</div> <div>enumeration</div> <div>HorizontalCenter</div> <div>enumeration</div> <div>VerticalMiddle</div> <div>Annotation</div> |
| annotation | documentation<br>Horizontal anchor point on the layout.                                                                                                                                                                                                                                                                  |

attribute **MarkBaseAttributes/@LayoutAnchorObject**

|            |                                                                    |                                                                    |            |
|------------|--------------------------------------------------------------------|--------------------------------------------------------------------|------------|
| type       | <a href="#">MarkAnchorObjectType</a>                               |                                                                    |            |
| properties | use                                                                | required                                                           |            |
| facets     | Kind<br>enumeration                                                | Value<br>PressPlate<br>PressSheet<br>ProductTrim<br>Component Trim | Annotation |
| annotation | documentation<br>Mark is anchored relative to the selected object. |                                                                    |            |

attribute **MarkBaseAttributes/@LayoutAnchorVertical**

|            |                                                       |                                                                               |            |
|------------|-------------------------------------------------------|-------------------------------------------------------------------------------|------------|
| type       | <a href="#">MarkAnchorLocationType</a>                |                                                                               |            |
| properties | use                                                   | required                                                                      |            |
| facets     | Kind<br>enumeration                                   | Value<br>Center<br>Top<br>Right<br>Left<br>HorizontalCenter<br>VerticalMiddle | Annotation |
| annotation | documentation<br>Vertical anchor point on the layout. |                                                                               |            |

attribute **MarkBaseAttributes/@MarkAnchorHorizontal**

|            |                                                |                                                                               |            |
|------------|------------------------------------------------|-------------------------------------------------------------------------------|------------|
| type       | <a href="#">MarkAnchorLocationType</a>         |                                                                               |            |
| properties | use                                            | required                                                                      |            |
| facets     | Kind<br>enumeration                            | Value<br>Center<br>Top<br>Right<br>Left<br>HorizontalCenter<br>VerticalMiddle | Annotation |
| annotation | documentation<br>Mark horizontal anchor point. |                                                                               |            |

attribute **MarkBaseAttributes/@MarkAnchorVertical**

|            |                                        |                                         |            |
|------------|----------------------------------------|-----------------------------------------|------------|
| type       | <a href="#">MarkAnchorLocationType</a> |                                         |            |
| properties | use                                    | required                                |            |
| facets     | Kind<br>enumeration                    | Value<br>Center<br>Top<br>Right<br>Left | Annotation |

|            |                                                                |
|------------|----------------------------------------------------------------|
|            | enumeration   HorizontalCenter<br>enumeration   VerticalMiddle |
| annotation | documentation<br>Mark vertical anchor point.                   |

attribute **MarkBaseAttributes/@MirrorBackup**

|            |                                                                                     |
|------------|-------------------------------------------------------------------------------------|
| type       | <b>xs:boolean</b>                                                                   |
| properties | use   required                                                                      |
| annotation | documentation<br>When True, the position of the mark on the back mirrors the front. |

attribute **MarkBaseAttributes/@OverPageContent**

|            |                                                                |
|------------|----------------------------------------------------------------|
| type       | <b>xs:boolean</b>                                              |
| properties | use   required                                                 |
| annotation | documentation<br>When True, marks will overprint page content. |

attribute **MarkBaseAttributes/@Output**

|            |                                                                                                                        |
|------------|------------------------------------------------------------------------------------------------------------------------|
| type       | <a href="#">MarkOutputType</a>                                                                                         |
| properties | use   required                                                                                                         |
| facets     | Kind   Value   Annotation<br>enumeration   BothExportAndReport<br>enumeration   ReportOnly<br>enumeration   ExportOnly |
| annotation | documentation<br>Mark output type.                                                                                     |

attribute **MarkBaseAttributes/@Placement**

|            |                                                                                                                  |
|------------|------------------------------------------------------------------------------------------------------------------|
| type       | <a href="#">MarkPlacementType</a>                                                                                |
| properties | use   required                                                                                                   |
| facets     | Kind   Value   Annotation<br>enumeration   FrontOnly<br>enumeration   BackOnly<br>enumeration   BothFrontAndBack |
| annotation | documentation<br>Side(s) of the layout on which to place the mark.                                               |

attribute **MarkBaseAttributes/@VerticalOffset**

|            |                                                                                                  |
|------------|--------------------------------------------------------------------------------------------------|
| type       | <a href="#">LinearDimensionType</a>                                                              |
| properties | use   required                                                                                   |
| annotation | documentation<br>The vertical offset amount of the mark from the lower-left corner of the sheet. |

## attributeGroup **MarkSizingPolicyAttributes**

|            |                                                                                          |                                                                             |          |         |       |                                                                                                     |
|------------|------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------|----------|---------|-------|-----------------------------------------------------------------------------------------------------|
| used by    | elements <a href="#">FileMark</a> <a href="#">LineMark</a> <a href="#">RectangleMark</a> |                                                                             |          |         |       |                                                                                                     |
| attributes | Name<br><a href="#">Height</a>                                                           | Type<br><a href="#">LinearDimensionType</a>                                 | Use      | Default | Fixed | Annotation<br>documentation<br>Not used for<br>FileWidthVariableHeight,<br>FixedWidthVariableHeight |
|            | <a href="#">Sizing</a><br><a href="#">Width</a>                                          | <a href="#">MarkSizingPolicyType</a><br><a href="#">LinearDimensionType</a> | required |         |       | documentation<br>Not used for<br>FixedHeightVariableWidth,<br>FileHeightVariableWidth               |

## attribute **MarkSizingPolicyAttributes/@Height**

|            |                                                                                 |
|------------|---------------------------------------------------------------------------------|
| type       | <a href="#">LinearDimensionType</a>                                             |
| annotation | documentation<br>Not used for FileWidthVariableHeight, FixedWidthVariableHeight |

## attribute **MarkSizingPolicyAttributes/@Sizing**

|            |                                      |                          |            |  |  |  |
|------------|--------------------------------------|--------------------------|------------|--|--|--|
| type       | <a href="#">MarkSizingPolicyType</a> |                          |            |  |  |  |
| properties | use required                         |                          |            |  |  |  |
| facets     | Kind                                 | Value                    | Annotation |  |  |  |
|            | enumeration                          | FixedSize                |            |  |  |  |
|            | enumeration                          | FixedHeightVariableWidth |            |  |  |  |
|            | enumeration                          | FixedWidthVariableHeight |            |  |  |  |
|            | enumeration                          | FileSize                 |            |  |  |  |
|            | enumeration                          | FileHeightVariableWidth  |            |  |  |  |
|            | enumeration                          | FileWidthVariableHeight  |            |  |  |  |

## attribute **MarkSizingPolicyAttributes/@Width**

|            |                                                                                 |
|------------|---------------------------------------------------------------------------------|
| type       | <a href="#">LinearDimensionType</a>                                             |
| annotation | documentation<br>Not used for FixedHeightVariableWidth, FileHeightVariableWidth |

## attributeGroup **ModelInformation**

|            |                                                                                                                                                                        |                                             |     |         |       |                                                                                                                                                                                                             |
|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------|-----|---------|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| used by    | complexTypes <a href="#">BindingMachineDefinition</a> <a href="#">CuttingMachineDefinition</a> <a href="#">DieCutterToolDefinition</a> <a href="#">PressDefinition</a> |                                             |     |         |       |                                                                                                                                                                                                             |
| attributes | Name<br><a href="#">Manufacturer</a>                                                                                                                                   | Type<br><a href="#">TextType</a> <b>Max</b> | Use | Default | Fixed | Annotation<br>documentation<br>Optional, and only read<br>when running in memory-<br>only mode (i.e., when the<br>root<br>MetrixXML/@MemoryOnly<br>= True).<br>Optional field used in<br>some exported JDF. |
|            | <a href="#">ModelName</a>                                                                                                                                              | <a href="#">TextType</a> <b>Max</b>         |     |         |       | documentation<br>Optional, and only read<br>when running in memory-<br>only mode (i.e., when the<br>root<br>MetrixXML/@MemoryOnly                                                                           |

|  |                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                   |
|--|---------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | <a href="#">ModelNumber</a> <a href="#">TextType Max</a><br><br><a href="#">SerialNumber</a> <a href="#">TextType Max</a> | = True).<br>Optional field used in some exported JDF.<br>documentation<br>Optional, and only read when running in memory-only mode (i.e., when the root MetrixXML/@MemoryOnly = True).<br>Optional field used in some exported JDF.<br>documentation<br>Optional, and only read when running in memory-only mode (i.e., when the root MetrixXML/@MemoryOnly = True).<br>Optional field used in some exported JDF. |
|--|---------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

#### attribute **ModelInformation/@Manufacturer**

|            |                                                                                                                                                                            |       |            |
|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------------|
| type       | <a href="#">TextType Max</a>                                                                                                                                               |       |            |
| facets     | Kind                                                                                                                                                                       | Value | Annotation |
|            | minLength                                                                                                                                                                  | 0     |            |
|            | maxLength                                                                                                                                                                  | 250   |            |
| annotation | documentation<br>Optional, and only read when running in memory-only mode (i.e., when the root MetrixXML/@MemoryOnly = True).<br>Optional field used in some exported JDF. |       |            |

#### attribute **ModelInformation/@ModelName**

|            |                                                                                                                                                                            |       |            |
|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------------|
| type       | <a href="#">TextType Max</a>                                                                                                                                               |       |            |
| facets     | Kind                                                                                                                                                                       | Value | Annotation |
|            | minLength                                                                                                                                                                  | 0     |            |
|            | maxLength                                                                                                                                                                  | 250   |            |
| annotation | documentation<br>Optional, and only read when running in memory-only mode (i.e., when the root MetrixXML/@MemoryOnly = True).<br>Optional field used in some exported JDF. |       |            |

#### attribute **ModelInformation/@ModelNumber**

|            |                                                                                                                                                                            |       |            |
|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------------|
| type       | <a href="#">TextType Max</a>                                                                                                                                               |       |            |
| facets     | Kind                                                                                                                                                                       | Value | Annotation |
|            | minLength                                                                                                                                                                  | 0     |            |
|            | maxLength                                                                                                                                                                  | 250   |            |
| annotation | documentation<br>Optional, and only read when running in memory-only mode (i.e., when the root MetrixXML/@MemoryOnly = True).<br>Optional field used in some exported JDF. |       |            |

#### attribute **ModelInformation/@SerialNumber**

|        |                              |       |            |
|--------|------------------------------|-------|------------|
| type   | <a href="#">TextType Max</a> |       |            |
| facets | Kind                         | Value | Annotation |
|        | minLength                    | 0     |            |



|            |                                                                                                                                                                                                                     |                   |            |
|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|------------|
| facets     | Kind<br>minLength<br>maxLength                                                                                                                                                                                      | Value<br>0<br>250 | Annotation |
| annotation | documentation<br>An identifier for the element, unique within the scope of the MXML document. The ID attribute can be used as a reference to the element from elsewhere in the MXML document. Up to 250 characters. |                   |            |

#### attribute **PlantBase/@MIS\_ID**

|            |                                                                                                                                                                                                                                                                                                |                   |            |
|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|------------|
| type       | <a href="#">TextType Max</a>                                                                                                                                                                                                                                                                   |                   |            |
| facets     | Kind<br>minLength<br>maxLength                                                                                                                                                                                                                                                                 | Value<br>0<br>250 | Annotation |
| annotation | documentation<br>One of DeviceID or MIS_ID is required.<br>A globally unique identifier (GUID) for the product that identifies the product to the originating MIS system. If not supplied, defaults to an empty string. If supplied, will not be editable within Metrix. Up to 250 characters. |                   |            |

#### attribute **PlantBase/@Name**

|            |                                                                                                                                                                                                                          |                   |            |
|------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|------------|
| type       | <a href="#">TextType Max</a>                                                                                                                                                                                             |                   |            |
| properties | use required                                                                                                                                                                                                             |                   |            |
| facets     | Kind<br>minLength<br>maxLength                                                                                                                                                                                           | Value<br>0<br>250 | Annotation |
| annotation | documentation<br>Required when running in memory-only mode (i.e., when the root MetrixXML/@MemoryOnly = True).<br>The name displayed in the Metrix user interface to identify this plant resource. Up to 250 characters. |                   |            |