# IDP JDF Finishing Samples

## Saddle stitching (booklet case)

The following JDF fragment specifies saddle stitching with 2 staples for a pre-imposed calendar booklet.

<JDF Type="Combined" Types="LayoutPreparation Imposition Interpreting Rendering DigitalPrinting Stitching" Category="DigitalPrinting" ... >

<ResourcePool>

<Component ID="component\_internal" Class="Quantity"

ComponentType="PartialProduct" PipeProtocol="Internal"

Status="Unavailable" />

<StitchingParams ID="NodeIDStitching" NumberOfStitches="2"

StitchType="Saddle" Class="Parameter" Status="Available" />

<Component ID="component\_final" Class="Quantity"

ComponentType="FinalProduct" Status="Unavailable" /> ...

</ResourcePool>

...

<ResourceLinkPool>

<StitchingParamsLink Usage="Input" rRef="NodeIDStitching" />

<ComponentLink rRef="component\_internal" Usage="Output"

CombinedProcessIndex="4"/>

<ComponentLink rRef="component\_internal" Usage="Input"

CombinedProcessIndex="5" Orientation="Rotate90" />

<ComponentLink rRef="component\_final" Usage="Output"

CombinedProcessIndex="5" Orientation="Rotate270" Amount="100" />

...

</ResourceLinkPool>

</JDF>

## Two left staples

The following JDF fragment specifies document bound with 2 staples on the left side of the document

<JDF Type="Combined" Types="... Stitching ..." ...>

<ResourcePool>

<StitchingParams ID="NodeIDStitching" NumberOfStitches="2"

StitchType="Side" Class="Parameter"

Status="Available" />

...

</ResourcePool>

...

<ResourceLinkPool>

<StitchingParamsLink Usage="Input" rRef="NodeIDStitching" />

...

</ResourceLinkPool>

</JDF>

## Two top staples

The following JDF fragment specifies a stapled document, with 2 staples on the top. There are 100 copies. The Component with ID="component\_internal" is an intermediate internal resource used to describe how the paper is oriented in the stapler.

<JDF Type="Combined"

Types="LayoutPreparation Imposition Interpreting Rendering DigitalPrinting Stitching" Category="DigitalPrinting"

... >

<ResourcePool>

<Component ID="component\_internal" Class="Quantity"

ComponentType="PartialProduct" PipeProtocol="Internal"

Status="Unavailable" />

<StitchingParams ID="NodeIDStitching" NumberOfStitches="2"

StitchType="Side" Class="Parameter"

Status="Available" />

<Component ID="component\_final" Class="Quantity"

ComponentType="FinalProduct" Status="Unavailable" /> ...

</ResourcePool>

...

<ResourceLinkPool>

<StitchingParamsLink Usage="Input" rRef="NodeIDStitching" />

<ComponentLink rRef="component\_internal" Usage="Output"

CombinedProcessIndex="4"/>

<ComponentLink rRef="component\_internal" Usage="Input"

CombinedProcessIndex="5"

Orientation="Flip90" />

<ComponentLink rRef="component\_final" Usage="Output"

Orientation="Flip270"

Amount="100" />

...

</ResourceLinkPool>

</JDF>

## Subset stapling with corner and side stiches

The following JDF fragment specifies a subset-stapled document, where pages 10-19 are corner-stapled with one staple and pages 20-29 are side stapled with 2 staples. The rest of the document is unstapled.

<JDF Type="Combined" Types="... Stitching ..." ...>

<ResourcePool>

<StitchingParams ID="NodeIDStitching" PartIdKeys="RunIndex"

NumberOfStitches="0" Class="Parameter"

Status="Available" >

<StitchingParams RunIndex="9 ~ 18" NumberOfStitches="1"

StitchType="Corner" />

<StitchingParams RunIndex="19 ~ 28" NumberOfStitches="2"

StitchType="Side" />

</StitchingParams>

...

</ResourcePool>

...

<ResourceLinkPool>

<StitchingParamsLink Usage="Input" rRef="NodeIDStitching" />

...

</ResourceLinkPool>

</JDF>

## Subset stapling and finishing orientation

The following JDF fragment specifies that the document has 80 pages. The stitching is explicitly specified by 5 groups of 16 pages.  
<?xml version="1.0" encoding="utf-8"?>

<JDF ...>

<Comment Name="oce:PagesPerRecord">16</Comment>

<ResourcePool>

...

<RunList ID="RunList" NPage="80" ... >

<LayoutElementRef ... />

</RunList>

<StitchingParams Class="Parameter" ID="Stitching" Status="Available"   
 PartIDKeys="RunIndex">

<StitchingParams RunIndex="0 ~ 15 16 ~ 31 32 ~ 47 48 ~ 63 64 ~ 79"   
 StitchType="Corner" NumberOfStitches="1" />

</StitchingParams>

<Component ComponentType="PartialProduct" ID="Component\_1" ... />

<Component ComponentType="PartialProduct" ID="Component\_2" ... />

<Component ComponentType="FinalProduct" ID="Component\_3" ... />

...

</ResourcePool>

<ResourceLinkPool>

...

<RunListLink rRef="RunList" Usage="Input" />

<StitchingParamsLink rRef="Stitching" Usage="Input" />

<ComponentLink rRef="Component\_1" Usage="Input" ... >

<AmountPool>

<PartAmount Orientation="Rotate90">

<Part RunIndex="0 ~ 15 16 ~ 31 32 ~ 47 48 ~ 63 64 ~ 79" />

</PartAmount>

</AmountPool>

</ComponentLink>

<ComponentLink rRef="Component\_2" Usage="Output" ... >

<AmountPool>

<PartAmount Orientation="Rotate270">

<Part RunIndex="0 ~ 15 16 ~ 31 32 ~ 47 48 ~ 63 64 ~ 79" />

</PartAmount>

</AmountPool>

</ComponentLink>

<ComponentLink rRef="Component\_3" Usage="Output" Amount="1.0" ... />

...

</ResourceLinkPool>

</JDF>

## Half fold of individual sheets

The following JDF fragment specifies half folding of individual sheets with first page outside (flipped).

<JDF Type="Combined" Types="LayoutPreparation Imposition Interpreting Rendering DigitalPrinting Folding Gathering" Category="DigitalPrinting" ... >

<ResourcePool>

<Component ID="component\_internal" Class="Quantity"

ComponentType="PartialProduct" PipeProtocol="Internal"

Status="Unavailable" />

<LayoutPreparationParams Status="Available" ID="LPPId"

Class="Parameter" />

<FoldingParams Status="Available" ID="FoldingId"

Class="Parameter" FoldCatalog="F4-1" />

...

</ResourcePool>

...

<ResourceLinkPool>

<ComponentLink rRef="component\_internal" Usage="Output"

CombinedProcessIndex="4"/>

<ComponentLink rRef="component\_internal" Usage="Input"

CombinedProcessIndex="5"

Orientation="Flip0" />

<LayoutPreparationParamsLink rRef="LPPId" Usage="Input" />

<FoldingParamsLink rRef="FoldingId" Usage="Input" />

...

</ResourceLinkPool>

</JDF>

## Half fold of all sheets (booklet case)

The following JDF fragment specifies half folding for a booklet.

<JDF Type="Combined" Types="LayoutPreparation Imposition Interpreting Rendering DigitalPrinting Gathering Folding Stitching" Category="DigitalPrinting" ... >

<ResourcePool>

<LayoutPreparationParams Status="Available" ID="LPPId"

Class="Parameter" PresentationDirection="XyZ" />

<FoldingParams Status="Available" ID="FoldingId"

Class="Parameter" FoldCatalog="F4-1" />

...

</ResourcePool>

...

<ResourceLinkPool>

<LayoutPreparationParamsLink rRef="LPPId" Usage="Input" />

<FoldingParamsLink rRef="FoldingId" Usage="Input" />

...

</ResourceLinkPool>

</JDF>

## Gluing

The following JDF fragment specifies that output must be glued

<JDF Type="Combined" Types="... DigitalPrinting ... Gluing" ...>

<ResourcePool>

<DigitalPrintingParams ID="NodeIDDPP" Class="Parameter"

Status="Available" ... />

<GluingParams Status="Available" ID="GluingId"

Class="Parameter" SettingsPolicy="BestEffort" />

...

</ResourcePool>

...

<ResourceLinkPool>

<DigitalPrintingParamsLink rRef="NodeIDDPP" Usage="Input" />

<GluingParamsLink rRef="GluingId" Usage="Input" />

...

</ResourceLinkPool>

</JDF>

## Perfect Binding (CoverApplication)

This jobs prints a cover duplex cover sheet on large media (> A3) and and the content on A4, and creates a perfect bound document by gluing the cover sheet arround the content

<?xml version="1.0" encoding="utf-8"?>

<JDF Types="… DigitalPrinting CoverApplication" Activation="Active" … >

<ResourcePool>

…

<Media ID="Media\_Cover" Dimension="1198.0 842.0" … />

<Media rRef="Media\_Content" Dimension="595.0 842.0" … />

<DigitalPrintingParams … >

<MediaRef rRef="Media\_Content " />

<DigitalPrintingParams RunIndex="0 ~ 1" … >

<MediaRef rRef="Media\_Cover" />

</DigitalPrintingParams>

<DigitalPrintingParams RunIndex="2 ~ 49" … >

<MediaRef rRef="Media\_Content " />

</DigitalPrintingParams>

</DigitalPrintingParams>

…

<CoverApplicationParams … />

<Component ID="Component\_Intermediate" ComponentType="PartialProduct"   
 PartIDKeys="RunIndex" … >

<Component RunIndex="0 ~ 1" />

<Component RunIndex="2 ~ 49" />

</Component>

<Component ID="Component\_Final" ComponentType="FinalProduct" … />

</ResourcePool>

<ResourceLinkPool>

…

<CoverApplicationParamsLink Usage="Input" … />

<ComponentLink rRef="Component\_Intermediate" Usage="Input" CombinedProcessIndex="9" Orientation="Rotate0" /… >

<ComponentLink rRef="Component\_Final" Usage="Output" Amount="1.0" CombinedProcessIndex="9" … />

</ResourceLinkPool>

</JDF>

## Punching

The following JDF fragment specifies that printed output must be punched with 4 holes.

<JDF Types="… DigitalPrinting … HoleMaking" … >

<ResourcePool>

<HoleMakingParams Status="Available" ID="HoleMakingId"

Class="Parameter" HoleType="R4-generic" />

...

</ResourcePool>

...

<ResourceLinkPool>

<HoleMakingParamsLink rRef="HoleMakingId" Usage="Input" />

...

</ResourceLinkPool>

</JDF>

## Wire Comb (ring binding)

The following JDF fragment specifies that output must be punched and bound with a wire comb binding.

<JDF Types="... DigitalPrinting ... HoleMaking WireCombBinding" … >

<ResourcePool>

<DigitalPrintingParams ID="NodeIDDPP" Class="Parameter"

Status="Available" … />

<HoleMakingParams Status="Available" ID="HoleMakingId"

Class="Parameter" HoleType="S-generic" />

<WireCombBindingParams Status="Available" ID="WireCombBindingId"

Class="Parameter" >

<HoleMakingParamsRef rRef="HoleMakingId" />

</WireCombBindingParams >

…

</ResourcePool>

…

<ResourceLinkPool>

<DigitalPrintingParamsLink rRef="NodeIDDPP" Usage="Input" />

<HoleMakingParamsLink rRef="HoleMakingId" Usage="Input" />

<WireCombBindingParamsLink rRef="WireCombBindingId" Usage="Input" />

…

</ResourceLinkPool>

</JDF>

## Plastic Comb

The following JDF fragment specifies that output must be punched and bound with a plastic binder.

<JDF Types="... DigitalPrinting ... HoleMaking PlasticCombBinding " … >

<ResourcePool>

<DigitalPrintingParams ID="NodeIDDPP" Class="Parameter"

Status="Available" … />

<HoleMakingParams Status="Available" ID="HoleMakingId"

Class="Parameter" HoleType="S-generic" />

<PlasticCombBindingParams Status="Available" ID="PlasticCombBindingId"

Class="Parameter" >

<HoleMakingParamsRef rRef="HoleMakingId" />

</PlasticCombBindingParams >

…

</ResourcePool>

…

<ResourceLinkPool>

<DigitalPrintingParamsLink rRef="NodeIDDPP" Usage="Input" />

<HoleMakingParamsLink rRef="HoleMakingId" Usage="Input" />

<PlasticCombBindingParamsLink rRef="PlasticCombBindingId" Usage="Input" />

…

</ResourceLinkPool>

</JDF>

## Booklet finishings : folding, saddle stitching, trimming

Booklet document with complete finishing: Half-folding, saddle stitching, trimming.

<?xml version="1.0" encoding="utf-8"?>

<JDF Type="Combined" Types="… Folding Stitching Trimming" … >

<ResourcePool>

<!-- Booklet folding: F4-1 -->

<FoldingParams Status="Available" ID="ID\_Folding" Class="Parameter"

FoldCatalog="F4-1" />

<!-- Booklet stitching: 2 saddle stitches -->

<StitchingParams ID="ID\_Stitch" Status="Available" Class="Parameter"

NumberOfStitches="2" StitchType="Saddle" />

<!-- Triming specifies the height and width dimensions and to trim cover also -->

<TrimmingParams ID="ID\_Trim" Status="Available" Class="Parameter"

Height="800.0" Width="500.0" TrimCover="Both" />

<!-- Output resource from Stacking (last process) -->

<Component ID="OutputComponent" Status="Unavailable" Class="Quantity"

ComponentType="FinalProduct" />

</ResourcePool>

…

</JDF>

## Booklet imposition and finishing

The following JDF fragment specifies the parameter resources for a (saddle-stitched) booklet, for which the pages are in the reading order in the original document, and the finishing

<JDF Type="Combined" Types="... DigitalPrinting Stitching ..." ...>

<ResourcePool>

<LayoutPreparationParams ID="NodeIDLPP" Class="Parameter"

Status="Available" BindingEdge="Left"

PresentationDirection="FoldCatalog" FoldCatalog="F4-1"

PageDistributionScheme="Saddle" PageOrder="Reader"

Sides="TwoSidedFlipY" NumberUp="2 1" />

<!-- Booklet folding: F4-1 -->

<FoldingParams Status="Available" ID="ID\_Folding" Class="Parameter"

FoldCatalog="F4-1" />

<!-- Booklet stitching: 2 saddle stitches -->

<StitchingParams ID="ID\_Stitch" Status="Available" Class="Parameter"

NumberOfStitches="2" StitchType="Saddle" />

<!-- Triming specifies the height and width dimensions and to trim cover also -->

<TrimmingParams ID="ID\_Trim" Status="Available" Class="Parameter"

Height="800.0" Width="500.0" TrimCover="Both" />

<!-- Output resource from Stacking (last process) -->

<Component ID="OutputComponent" Status="Unavailable" Class="Quantity"

ComponentType="FinalProduct" />

...

</ResourcePool>

...

<ResourceLinkPool>

<StitchingParamsLink Usage="Input" rRef="NodeIDStitching" />

<LayoutPreparationParamsLink rRef="NodeIDLPP" Usage="Input" />

...

</ResourceLinkPool>

</JDF>