# 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>