

Workshop 25
**Automation with Prinect:
Is there still untapped potential
in your print shop?**

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Automation with Prinect:

Is there still untapped potential in your print shop?

1. Automation – What's in for me?
2. Products with automation potential
3. How can I get there?



Automation? What's in for me?

→ Saves operator time

Standard jobs can be fully automated, the operators concentrate on challenging jobs

→ Reduces errors

once set up the processes run automatically with repeatable results

→ Higher throughput



Which products offer automation potential?

100 %

- Individual Stationery, Envelopes, Greeting Cards, Credit Card Application Forms , etc. produced on-demand from web shop orders
- Periodicals – monthly published journals with varying page count
- Product Inserts with different formats and run lengths
(and other standardized orders that can be handled via Template Jobs)

Part Automation

- Business Cards, Labels, Flyers, etc. from a Web Shop that shall be produced on a gang form
- All other jobs can get partly automated

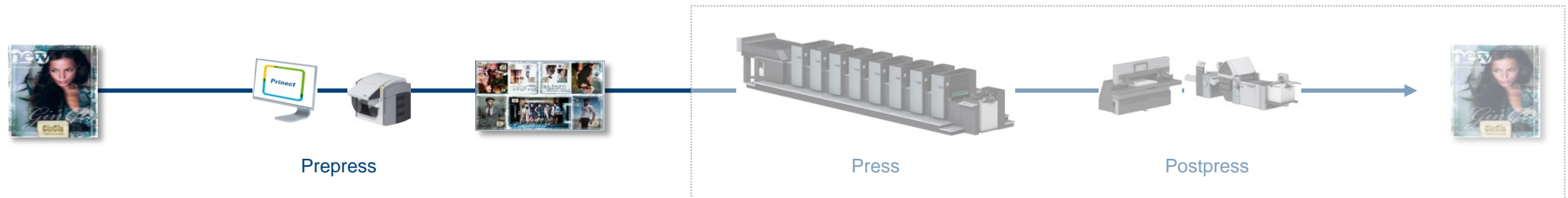


How is the automation achieved with Prinect at ctrl-s GmbH, Stuttgart?

Individual Stationery, Envelopes, Greeting Cards, Credit Card Application , etc. produced on-demand from web shop orders

→ W2P-Connector with Smart Automation and automatic Layout Generation

= automated processing of orders as individual production jobs

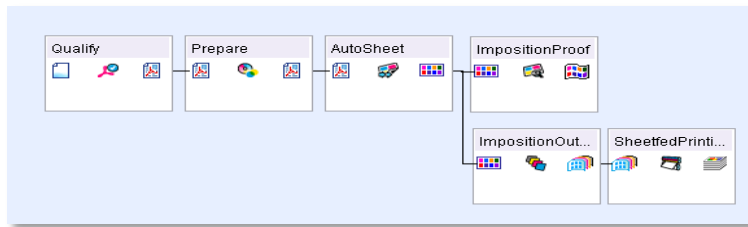




Automatic process net and layout generation with Smart Automation and Prinect Signa Station

- Smart Templates comprise all processing sequences required
- The processing sequences are connected
- Depending on the respective product information,
 - a Smart Template turns into different process nets.
 - a Signa PPT turns into different imposition layouts

Example:



Smart Template

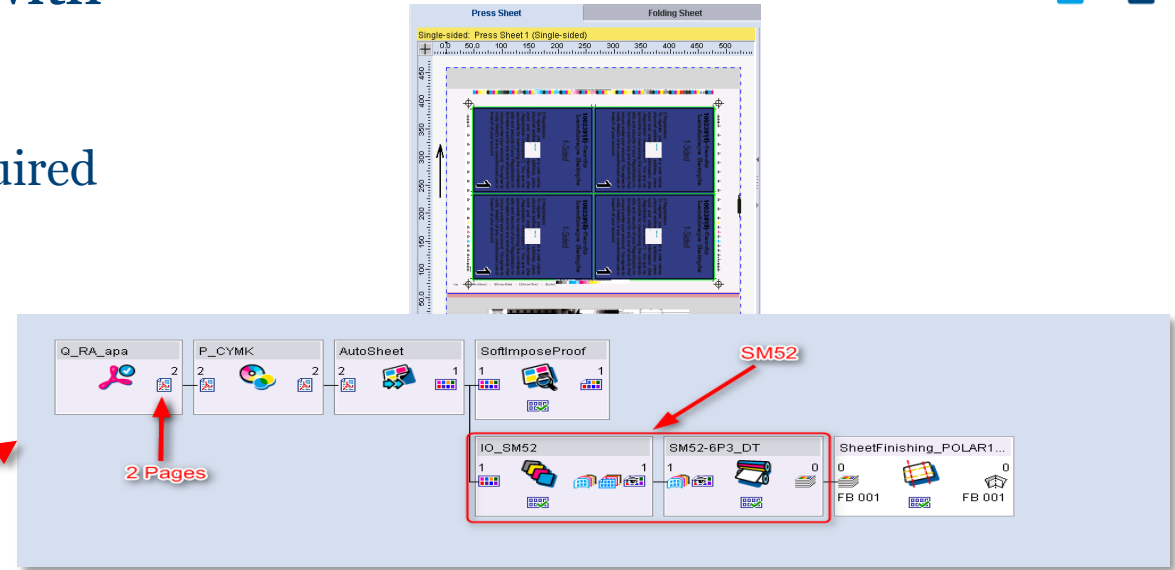
Product 1
(2 pages)



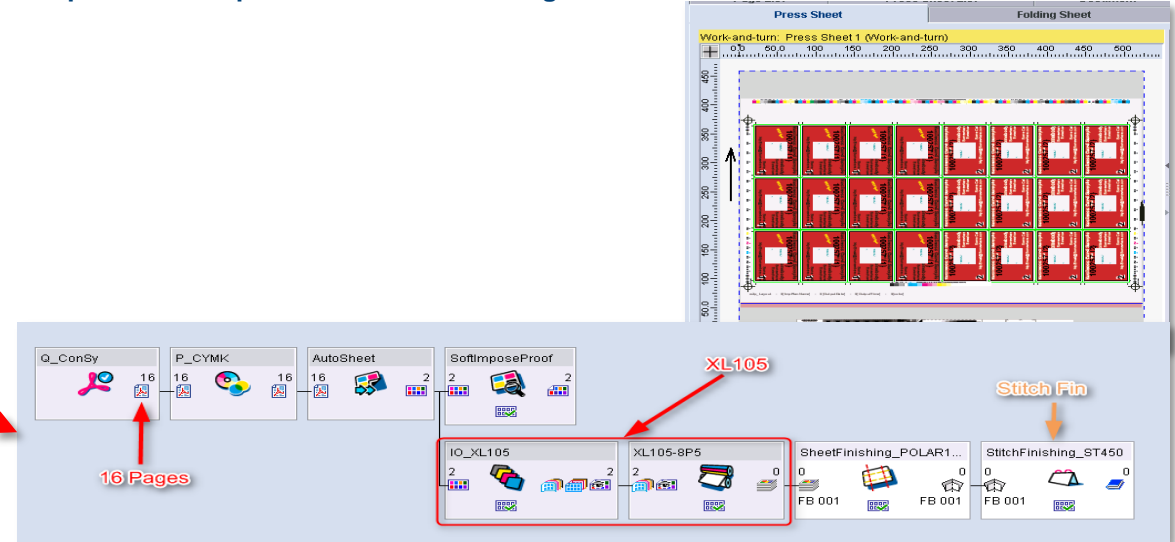
Different
product information



Product 2
(16 pages)



Imposition for / printed on SM 52. Cutting.



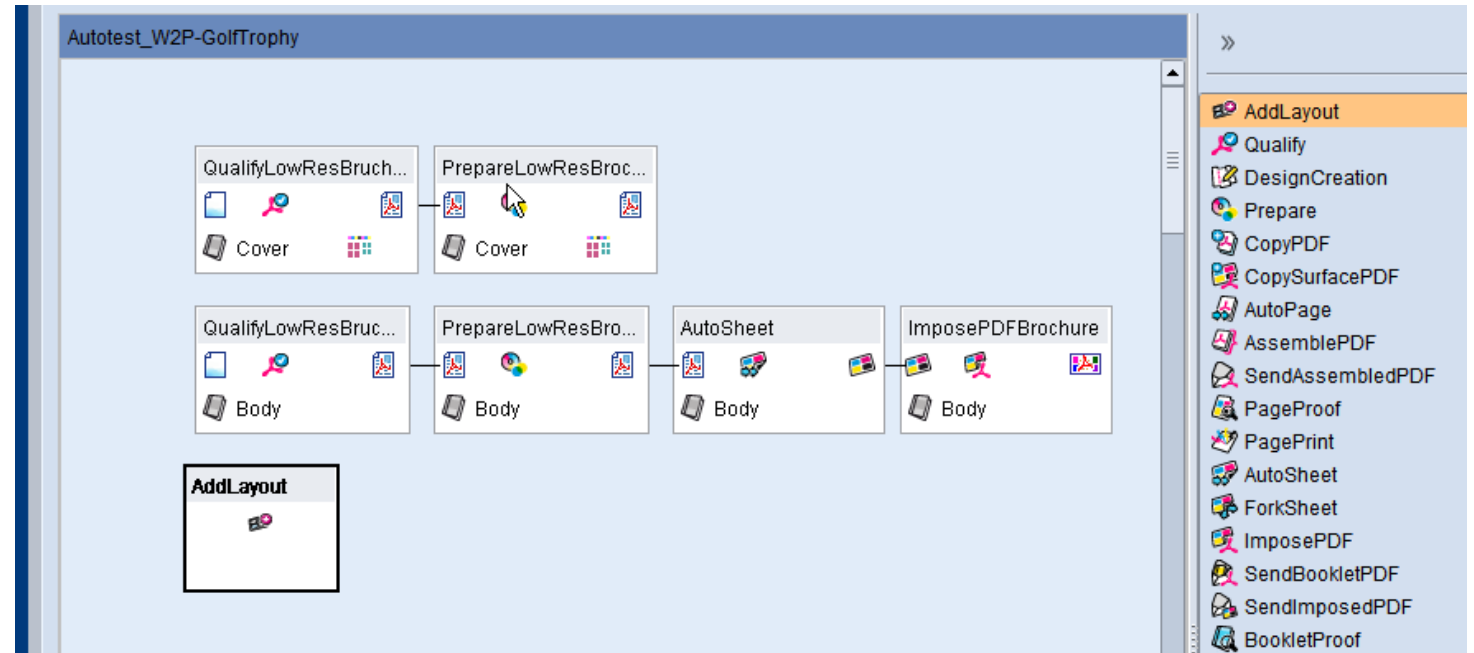
Imposition for / printed on XL 105. Cutting and stitching.

Improvements in Smart Automation in Prinect 2016

Work with predefined Layout

→ Some customers prefer working with dedicated, pre-defined imposition schemes (special finishing equipment)

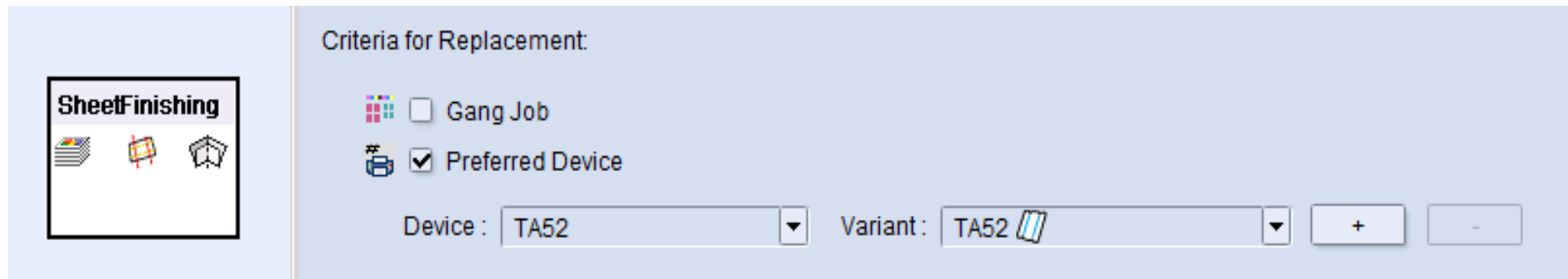
→ An 'AddLayout'-Sequence in the Smart Template pulls the scheme defined in the product code





More improvements in Smart Automation in Prinect 2016

- Canceled orders can be displayed to distinguish finished orders and those canceled by the customer
- Extended device selection in Smart Templates
 - Proof / Finishing use different devices that cannot be selected by print format:
A preferred device can be selected for those work steps (Proof, Cutting, Folding, Stitching)



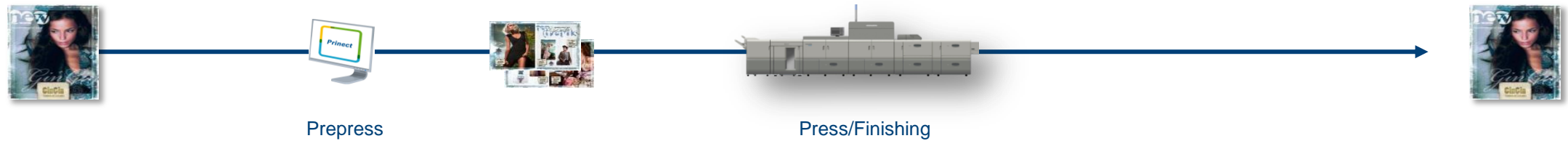


Proven and improved Smart Automation for ... up to 30 % more productivity by ...

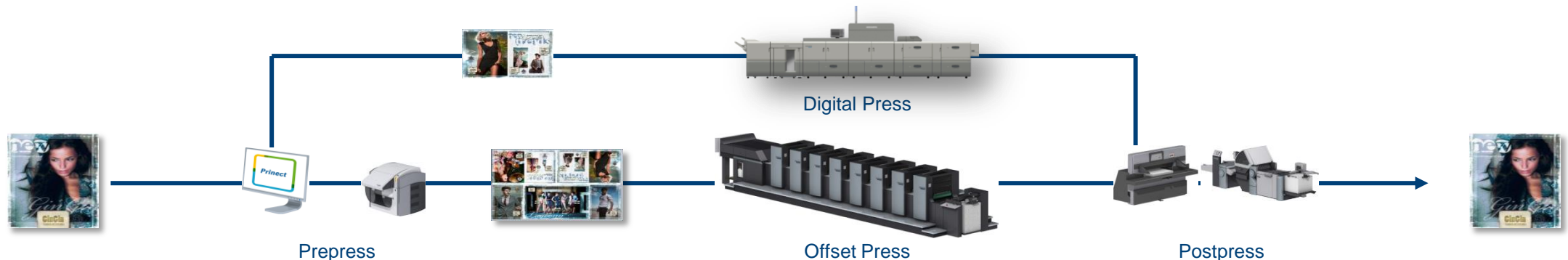
→ ... automated processing of orders as individual sheetfed production jobs



→ ...automated processing of orders printed on digital presses



→ ... automated processing of orders printed on offset & digital presses





How is the automation achieved with Prinect at ctrl-s GmbH, Stuttgart?

Periodicals – monthly published journals with varying page count

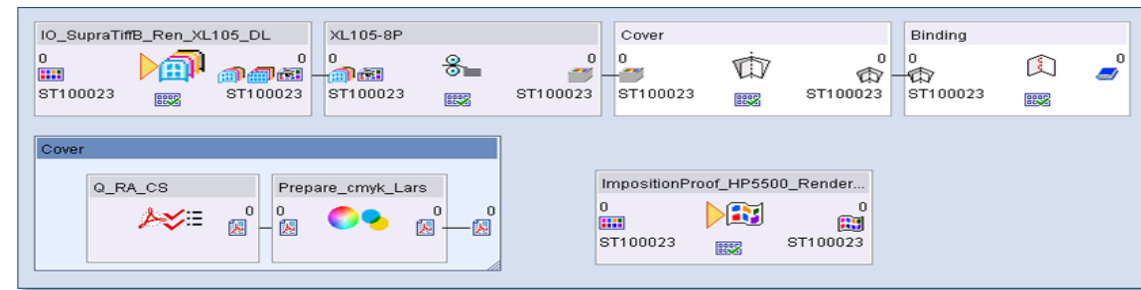
- MIS-JDF creates job and pulls Template incl. Remote Access and Auto Sheet.
- Customer uploads data via Remote Access
- Customer approves data
- Automated plate output (100%)



Improved MIS job automation with Smart Automation

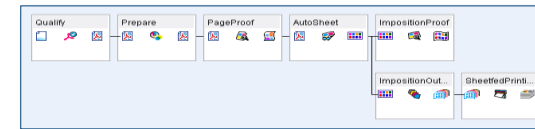
→ Using „product type“ and Smart Templates with (Princt Business Manager) ‘ctrl-s’ MIS

Process net sent by
the Business Manager
Some sequences missing
Sequences partially not connected



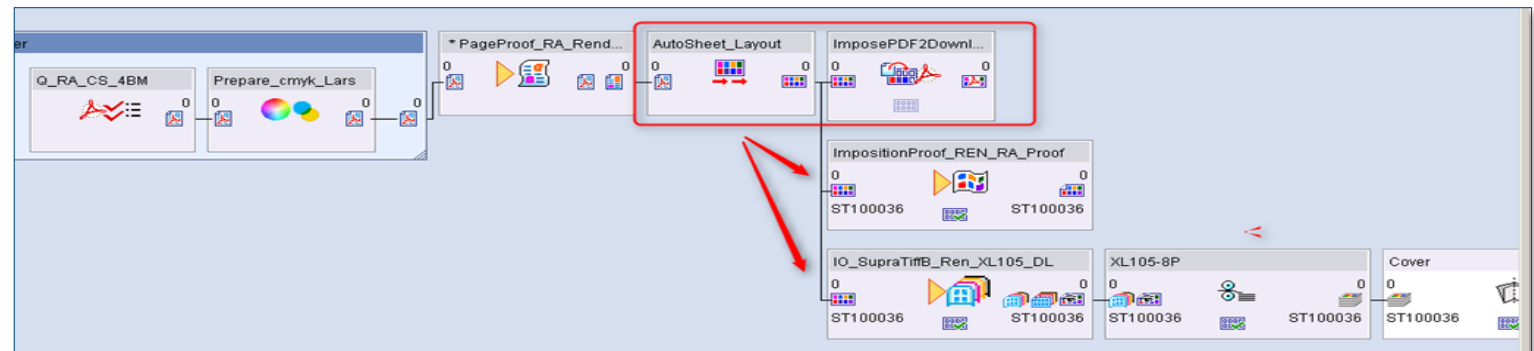
plus

Smart Template



results in

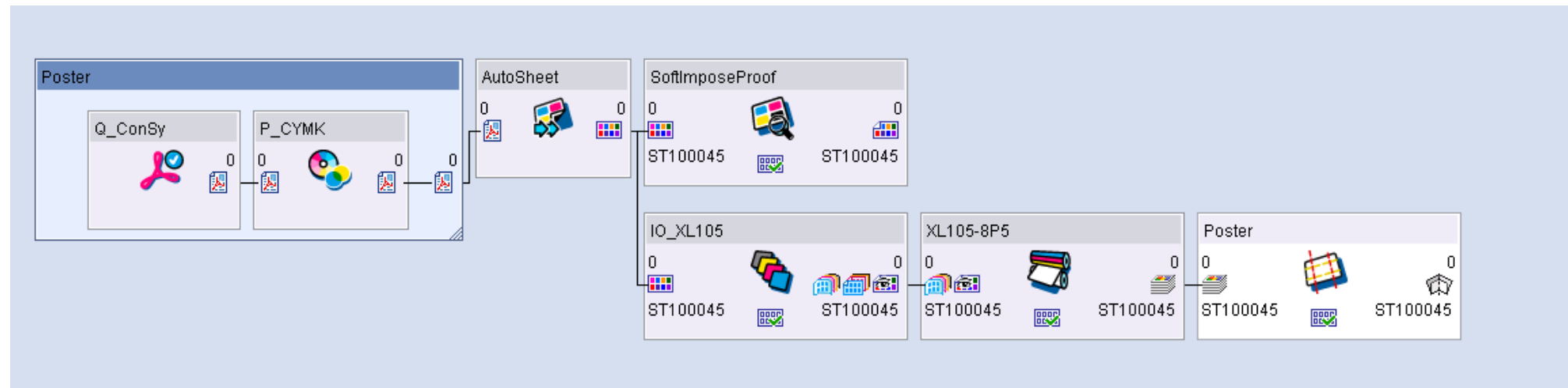
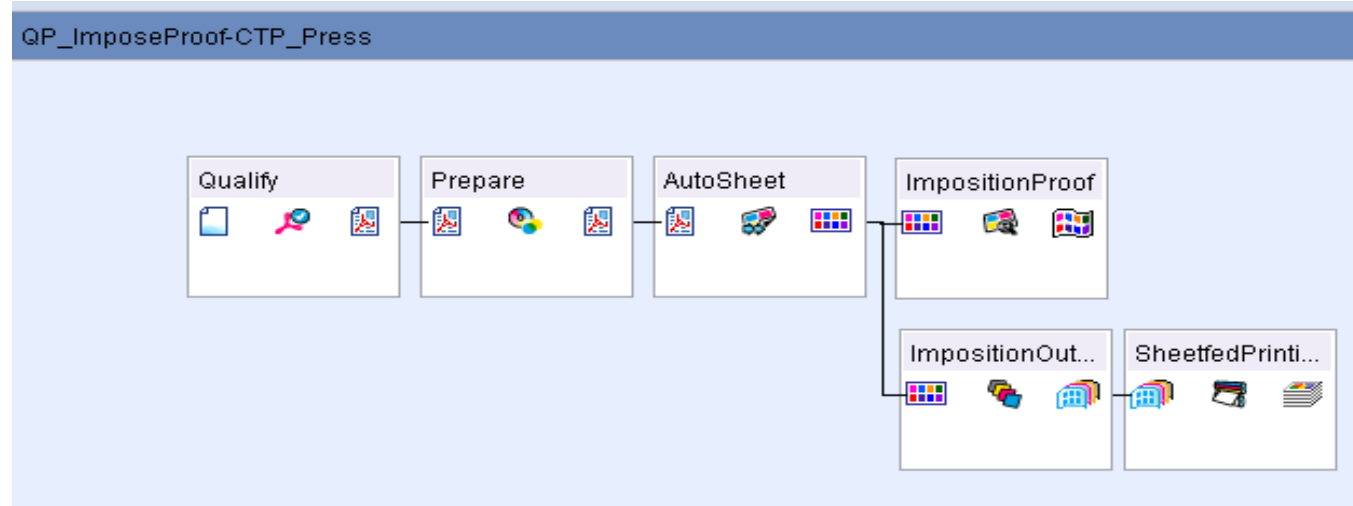
Complete process
plan with all sequences connected





Smart Template and replacement by Business Manager / ctrl-s MIS

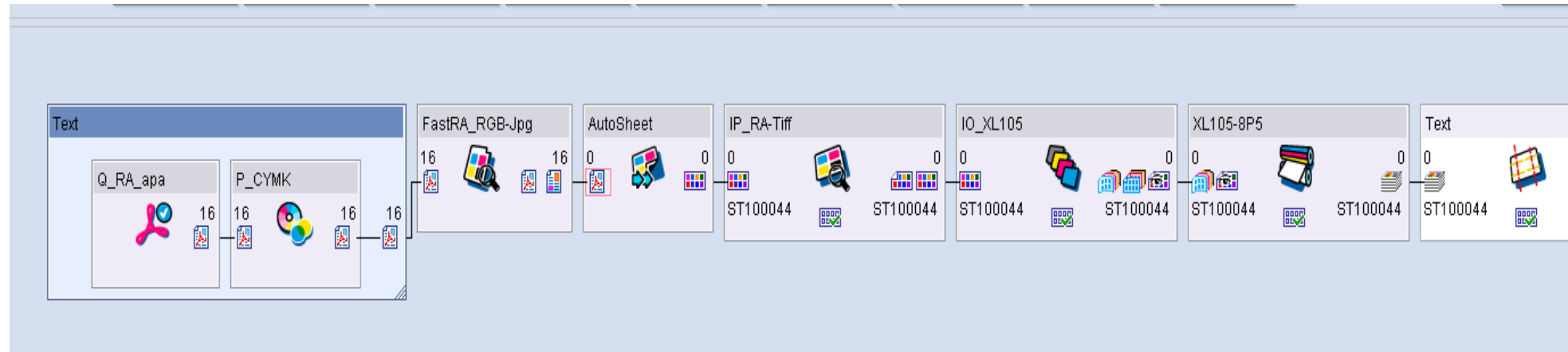
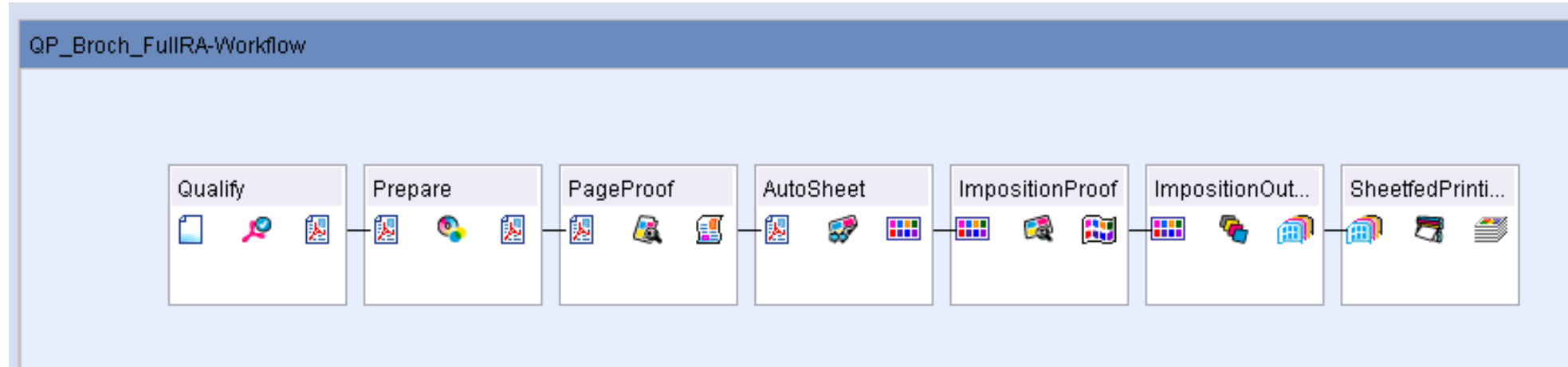
Example 1 – Workflow with automated Proof and Plate making





Smart Template and replacement by Business Manager / ctrl-s MIS

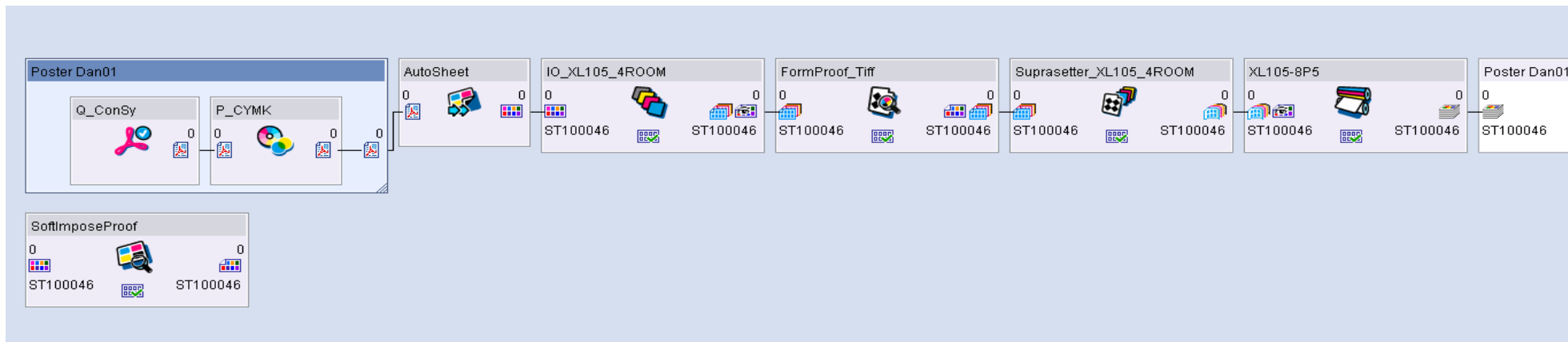
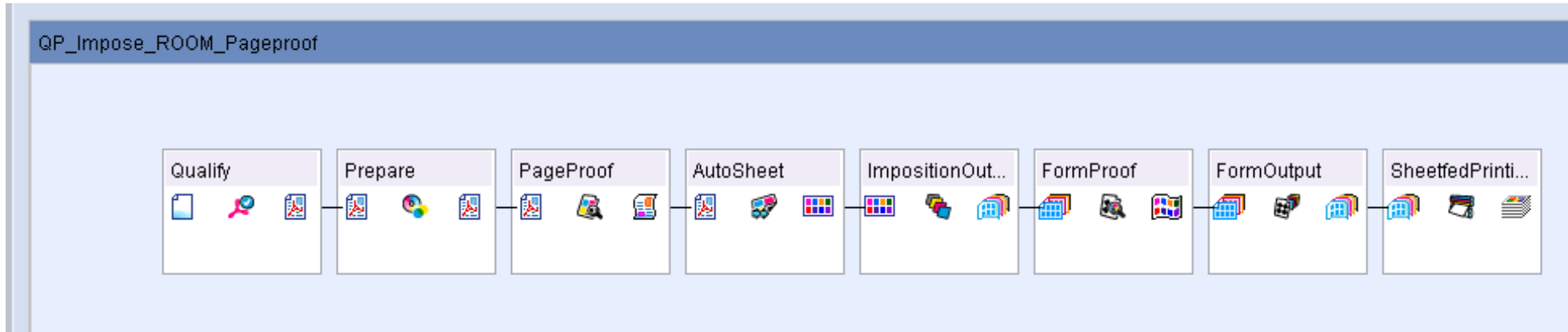
Example 2 - Remote Access Workflow with Imposition Proof





Smart Template and replacement by Business Manager / ctrl-s MIS

Example 3– Automated up to Room Proof





How is the automation achieved with Prinect at ctrl-s GmbH, Stuttgart?

Product Inserts with different formats and run lengths (for all standardized orders that can be handled via Template Jobs)

- Remote Access customers create jobs from Job Templates
- Upload their data
- Approve them
- Plates are made



Automation in Prinect with PDF Automation Pack *plus Remote Access*

CUSTOMER can

- + make approvals – and trigger next steps automatically (without move)
- + create new 'Job(s) from Template' (WebUI)
- + position pages himself (per upload, since 2012 also manual)

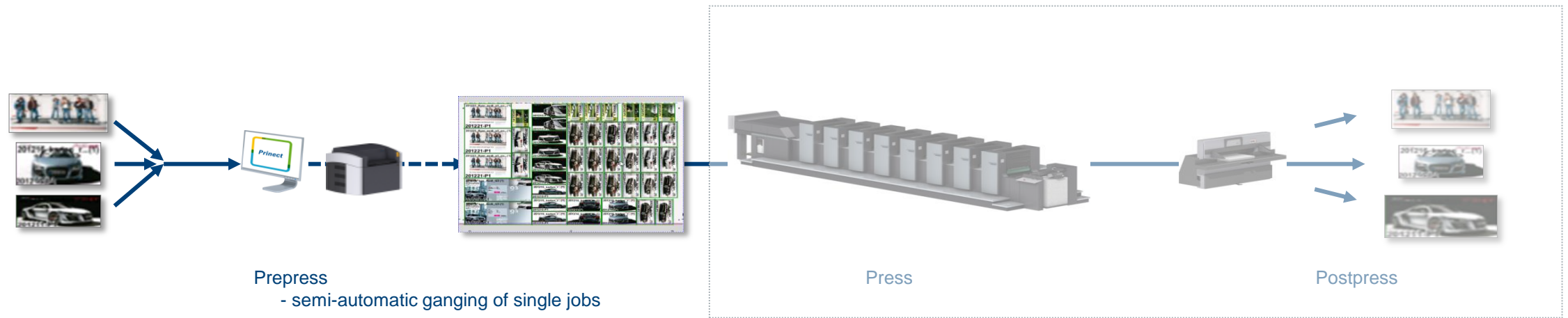
→ all these steps then don't have to be done by the prepress operators
→ less work / more customer responsibility

The screenshot displays the Prinect web interface. On the left is a navigation menu with categories: Start, Job, Data Exchange, Administration, Direct Access, and Help. The 'Job' category is expanded, showing 'New job', 'From Job Template' (highlighted with a red box), and 'Job List'. The main content area is titled 'Job --> New job --> Job Template' and contains a 'Create New Job' form. The form includes a description, a 'Job Template' field with a dropdown menu (highlighted with a red box and a red arrow pointing to the 'From Job Template' menu item), and other fields for 'Job Number (*)', 'Job Name (*)', 'Planned pages (*)', 'Quantity (*)', 'Due Date', 'Format', and 'Colors'. To the right of the main form is a 'Select Job Template' dialog box with a search pattern input and a dropdown menu showing a list of templates: '16Pages 4C A4', '16Pages 4C A4' (highlighted), '32PagesTemplateSentAssPDF-ImpPDF', '6Punkt-Faltschachtel', 'Catalog_2Dateien_Basis-Text', and 'Kat_2D_B-T_oDr'.

How is the automation achieved with Prinect at ctrl-s GmbH, Stuttgart?

Business Cards, Labels, Flyers, etc. from a Web Shop that shall be produced on a gang form

→ w2p-Connector with Smart Automation and Ganging



→ Automated filling of gang pool by Smart Automation - sorting by due date, paper, colors

→ Gang Assistant for semi-automatic creation of optimized gang forms from files in gang pool
 calculation based on run length, geometry, and cost parameters for press, plates, paper

→ process steps of single jobs are considered



How is the automation achieved with Prinect at ctrl-s GmbH, Stuttgart?

All other products (no 100% potential) are partly automated

→ Orders are created via an MIS-JDF

→ Group Template with customer specific set of base sequences is automatically drawn

→ This ensures that the correct customer sequences (e.g. Color Management settings, specific output settings, etc) are taken.

With 'MIS-selection' there is no accidental mis-selection



Automation options for multiple product variations without Smart Automation

→ Multiple pre-jobs with **hotfolders**

- Complete process net including AddLayout + Automatic page assignment - or Imposition Editor Layout
- Manual data submission



→ Multiple **Group Templates**

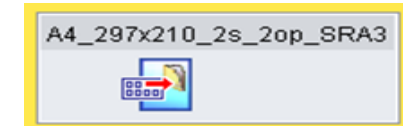
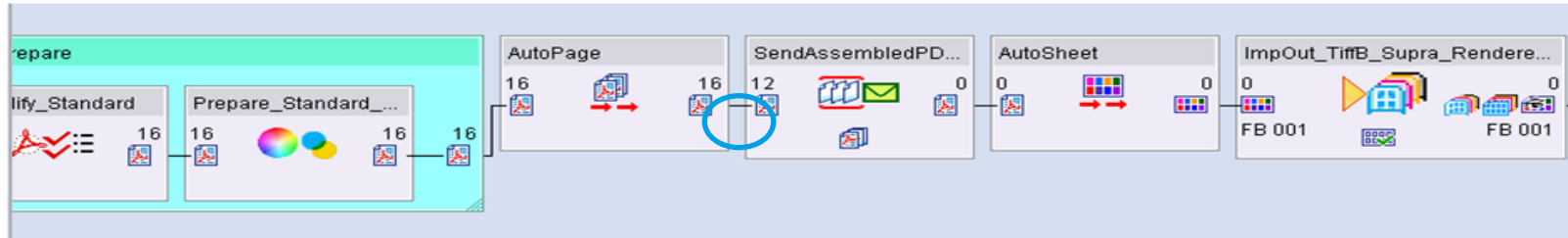
- Group Templates can be chosen individually to automate complicated jobs – data drag & drop or upload starts automated processes





Automation in Prinect – Base principle

→ connection + Pagelist + Add Layout + AutoPage + Auto Sheet



→ Job from Template

→ Group Templates

→ Automatic job creation via hotfolder



Job from Template

- A job has been ,tried & tested‘
- select job, make new ,Job from Template‘
- content taken over can be defined
- customer / due date definition during creation

Create new Job based on selected Job "Master 4 HF"

Basic job data Customer Data Scheduling

You can assign a customer to the job.

Take Customer Data from Job Template

Customer Name: [dropdown]

Customer ID: [dropdown]

Nickname: [dropdown]

Agency... [text field] Agency...

Customer Job ID: [text field]

Customer Job Name: [text field]

<< Back Next >> Finish Cancel



Group Template

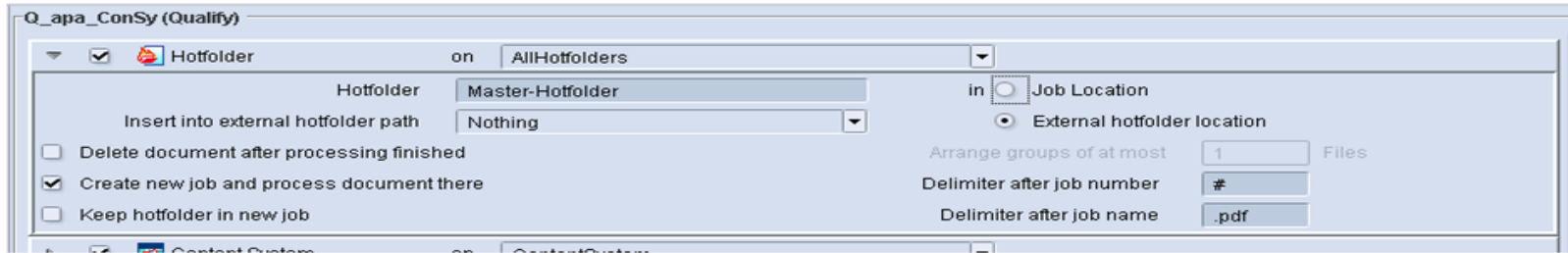
→ Layout addition via 'Add Layout'

→ can contain complete process and added to job manually



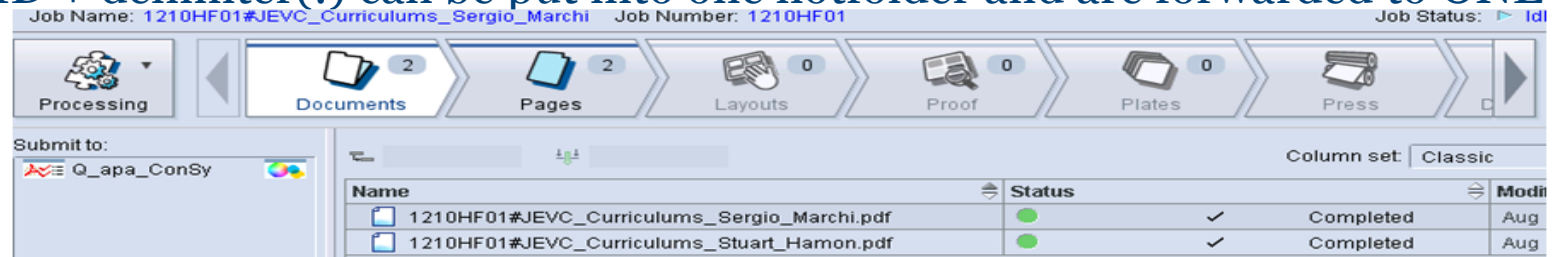
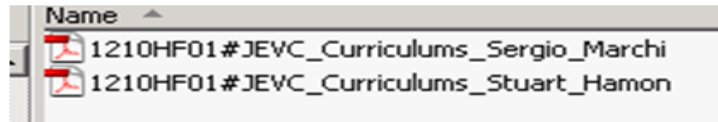


Automatic job creation via hotfolder



→ more than one PDF with same JobID + delimiter(!) can be put into one hotfolder and are forwarded to ONE Job!

→ 2 Files to HF → 1 Job



→ ! Naming of the documents must be done!

→ Drawback:

customer, due date, amount, page count are taken from Master (or stay empty)



Automation in Prinect *with PDF Automation Pack* (1)

+ Automatic Page Assignment (APA)

Automatic Page Assignment on AllPreflightImports

Assignments

Rule: No page number

Pattern: Order4Pages.ps

Delimiters and separators:

- Delimiter before page list or product parts: #
- Delimiter before starting page number or article number: #
- Delimiter after article number: #
- Range separator: -
- Enumeration separator: .

Options:

- Get Page Number from PDF Page Number
- Get Page List or Product Parts from PDF Page Number
- Extend the page list if there are not enough positions.

Page list or product parts: *

Starting page number or article number:

Multiply page numbers by: 1

Shift page numbers by: 0

- (Re-)name documents or
- use ONE PDF as input file or
- utilize PDF-Page-Number

flexible, as pagelists, placeholders can be extended

→ for Business Manager 'wildcard' = * needs to be used for pagelist



Automation in Prinect *with PDF Automation Pack (2)*

+ PDF Approval Workflow

can be used to let customers sign off pages

trigger following processes when XFDF is copied to response handler hotfolder (manual)

The screenshot shows the configuration window for 'SendAssembledPDF_DL (SendAssembledPDF)'. It contains several sections for configuring the workflow:

- Combine Documents:** Checked, on, AllDocumentCombineSenders.
- Remote Approval:** Unchecked, on, AllContentRemoteProofs.
- Messaging:** Checked, on, AllMessengers.
- Message Text:** MessageText_de.bt (with Browse.. button).
- Subject:** Proof:%HdmProofDocName%:%HdmPrJobName%:%HdmPrJobId%:%HdmMailIndex%
- Latest Response:** 0 Days, 0 Hours, Before Due Date.
- Send Reminder Message:** Unchecked, 1 Days, 12 Hours, Before Due Date.
- Reminder Text:** ReminderText_en.bt (with Browse.. button).
- Send Message to:** Job's Customer Approval Contact (with New button).
- Reply to:** (with New button).
- E-Mail Address:** Production@Customer.com.
- Approve Page:** Checked, on, PageApproval.
- Production Approval Follows Customer Approval Automatically:** Checked.
- Layout Approval Follows Page Approval Automatically:** Unchecked.
- Destination:** Checked, Output is intermediate result.