

Automation with Signa Server / Gang Server / Packaging and Signa

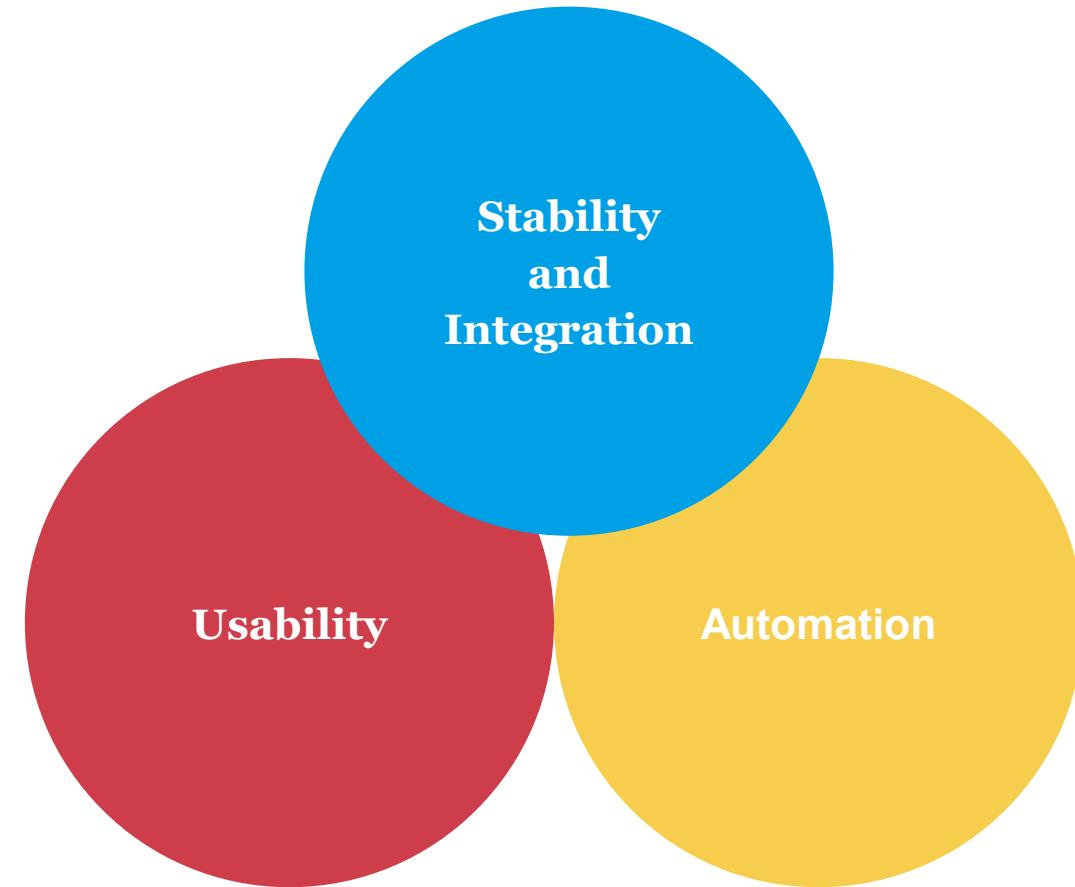
Prinect User Days

Winfried Werner | Donnerstag 15th 16.30 – 17:00

Agenda

1. Updates on Prinect Signa Station
2. Questions & Answers together with Marco Rassfeld from Meinders & Elstermann

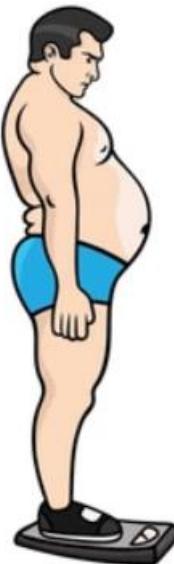
Our Fokus



Our Progress

Before

Mediaset 55.00.7 (Signa CR 24485)



After

Mediaset 55.00.12 (Signa CR 25392)



Goal



Stability and Integration

- Support for new operating systems
 - MAC OS – Notarization of Installer and Software
 - MAC OS – Close to full Apple Silicon CPU support
- *Internal automatic quality assurance (Shift-Left)*
- *Modernization of the technical platform*
 - *No Postscript Output anymore*
 - *No marks import with PS / EPS / DCS2*



Internal automatic quality assurance (*Shift-Left*)

Before

- 4000 Autotests ran for 10 hours
- No standardized automatic testing of 3rd software libraries

After

- 4000 Autotests ran for 5 hours
- Automatic, daily check of 3rd party software libraries by SBOM (Software Bill of Materials)



Modernization: No Postscript Output / no Marks Import PS, EPS, DCS2

Before

General Options Proof Finishing Report

Name: Suprasetter 106 (PDF)

Group: Standard

Output Device: Imagesetter (radio button selected)

Imagesetter data set: Suprasetter_106 - Standard

Material: Choose: CD74@-1

Imaging window: Width: 745.0 mm Height: 660.0 mm

Workflow: Device: Other device

Variant: PostScript (Level 3) (radio button selected)

Output folder for Print: PostScript (Level 3) (radio button selected)

Path: PDF JDF

Placeholder: Job Number - \$[jobid] Insert placeholder

Import Processes Output Licensing Ganging Optimization

General Paths Names Defaults Resources

Default Folder

Workspace: Signa -- /Volumes/PTTransfer

Jobs: Jobs -- /Volumes/HD_Service/Signa

Contents: PDF -- /Volumes/HD_Service/Signa

Output: Ausgabe -- /Volumes/HD_Service/Signa

Select External Executables

Acrobat Distiller: (highlighted with red box)

Acrobat Reader: Adobe Acrobat.app -- /Applications/Adobe Acrobat DC

After

General Options Proof Finishing Report

Name: Suprasetter 106 (PDF)

Group: Standard

Output Device: Imagesetter (radio button selected)

Imagesetter data set: Suprasetter_106 - Standard

Material: Choose: CD74@-1

Imaging window: Width: 745.0 mm Height: 660.0 mm

Workflow: Device: Other device

Variant: PDF (radio button selected)

Output folder for Print: PDF (radio button selected)

Path: JDF

Placeholder: Job Number - \$[jobid] Insert placeholder

Preferences

Import Processes Output Licensing Ganging Optimization

General Paths Names Defaults

Default Folder

Workspace: Signa -- C:\PTTransfer

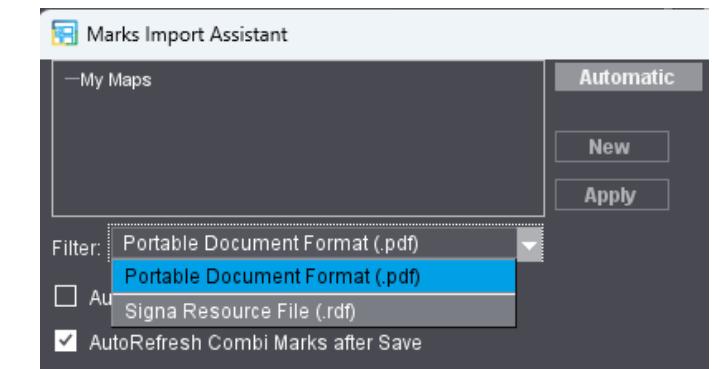
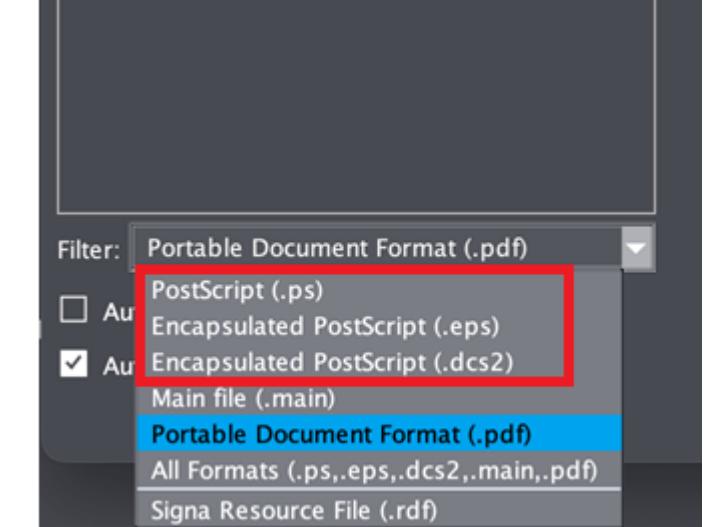
Jobs: Jobs -- \KIEPC60133\HD_Service\Signa

Contents: PDF -- \KIEPC60133\HD_Service\Signa

Output: Ausgabe -- \KIEPC60133\HD_Service\Signa

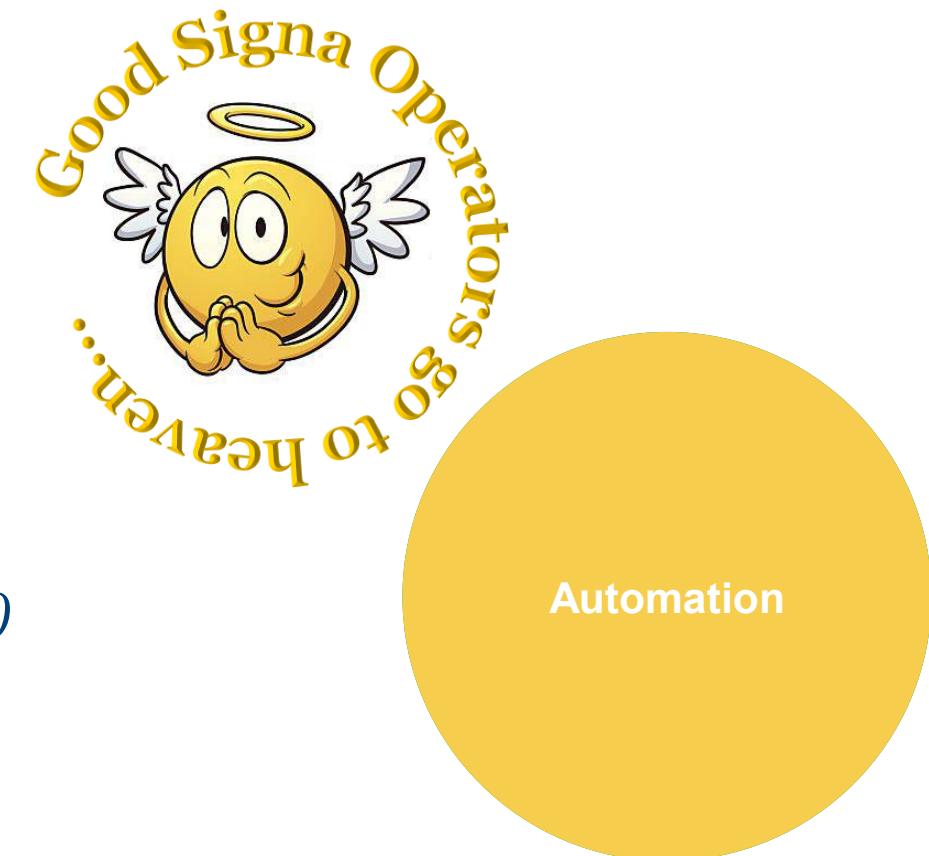
Select External Executables

Acrobat Reader: Acrobat.exe -- C:\Program Files\Adobe\Acrobat DC\Acrobat



Automation

- Performance
 - Size reduction of sdf- and rdf-Files
 - Cache for Product Part Templates Search
- *Min Values for Automatic Gap Computation*
- *Automarks Set Groups in Product Part Templates*
- *New Automarks Rules for Press Sheet Automarks*
- *Bleeds for Front and Back can differ (folding Boxes)*
- *New Automark ,Cover Mark Line type - Glueing‘*



Min Values for Automatic Gap Computation

Before

Import	Processes	Output	Licensing	Ganging Optimization	User Interface	Packaging
General	Paths	Names	Defaults	Resources	Reports	JDF Import
Bleed Default				in routing margin: 0.0 mm		
Bleed:	3.0 mm					
Defaults for folding sheet generation						
Routing Margin Min.:	2.0 mm			Max.: 3.0 mm		
Max. Head Trim:	5.0 mm			Max. Gap: 10.0 mm		
Max. Foot Trim:	5.0 mm			Gap Top Border: 0.0 mm		
Min. Gripper Fold Values:	0.0 mm			Max. Gripper Fold Values:	100.0 mm	
Paper Thickness Factor:	1.0					

Parameters for Automatic Gap Computation	
<input type="checkbox"/> Automatic Gap Computation	<input type="checkbox"/> Use for JDF Import
<input type="checkbox"/> Routing margin:	3.0 mm
<input type="checkbox"/> Max. Head Trim:	12.0 mm
<input type="checkbox"/> Max. Foot Trim:	3.5 mm
<input type="checkbox"/> Max. Gap:	10.0 mm
Gap Top Border:	0.0 mm

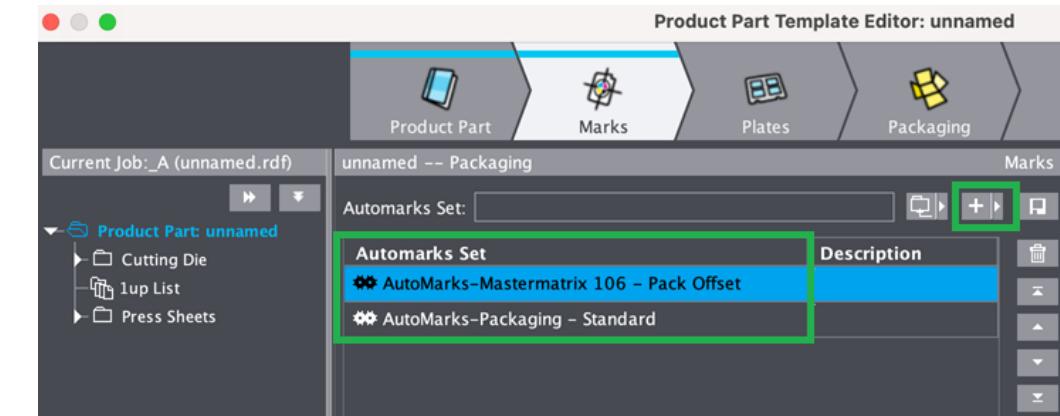
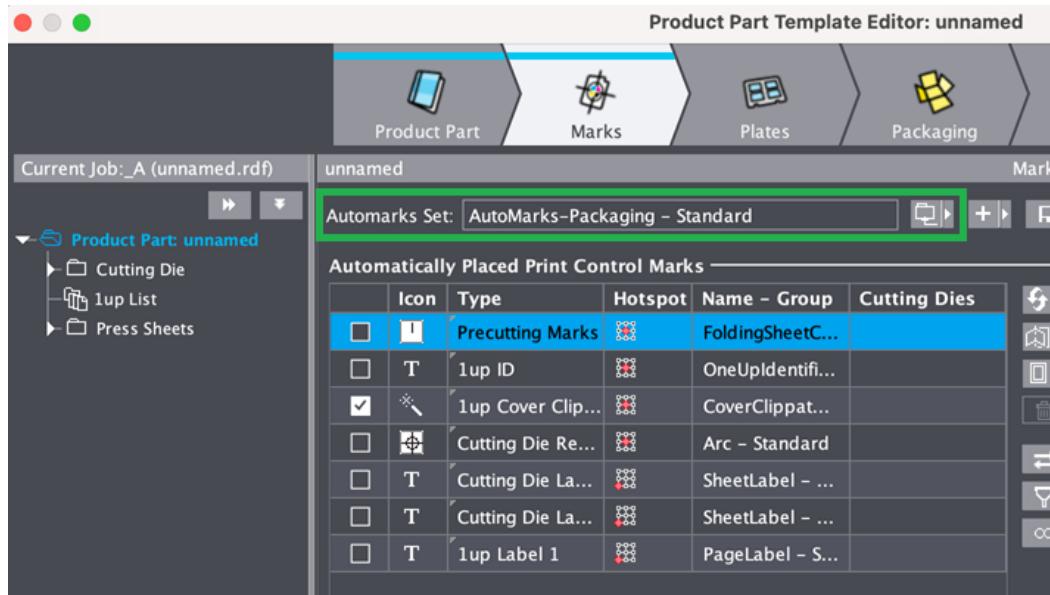
After

Bleed Default		in routing margin: 0.0 mm	
Bleed:	3.0 mm		
Defaults for folding sheet generation			
Routing Margin Min.:	2.0 mm	Max.: 3.0 mm	
Min. Head Trim:	1.0 mm	Max. Head Trim: 5.0 mm	
Min. Foot Trim:	1.0 mm	Max. Foot Trim: 5.0 mm	
Min. Gap:	2.0 mm	Max. Gap: 10.0 mm	
Gap Top Border:	0.0 mm		
Min. Gripper Fold Values:	0.0 mm	Max. Gripper Fold Values:	100.0 mm

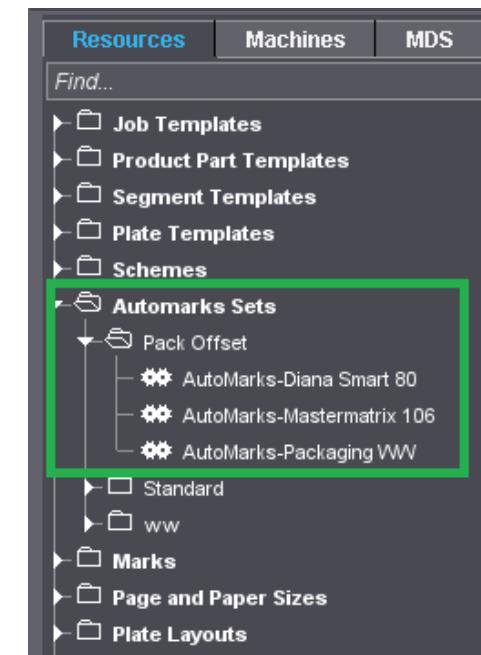
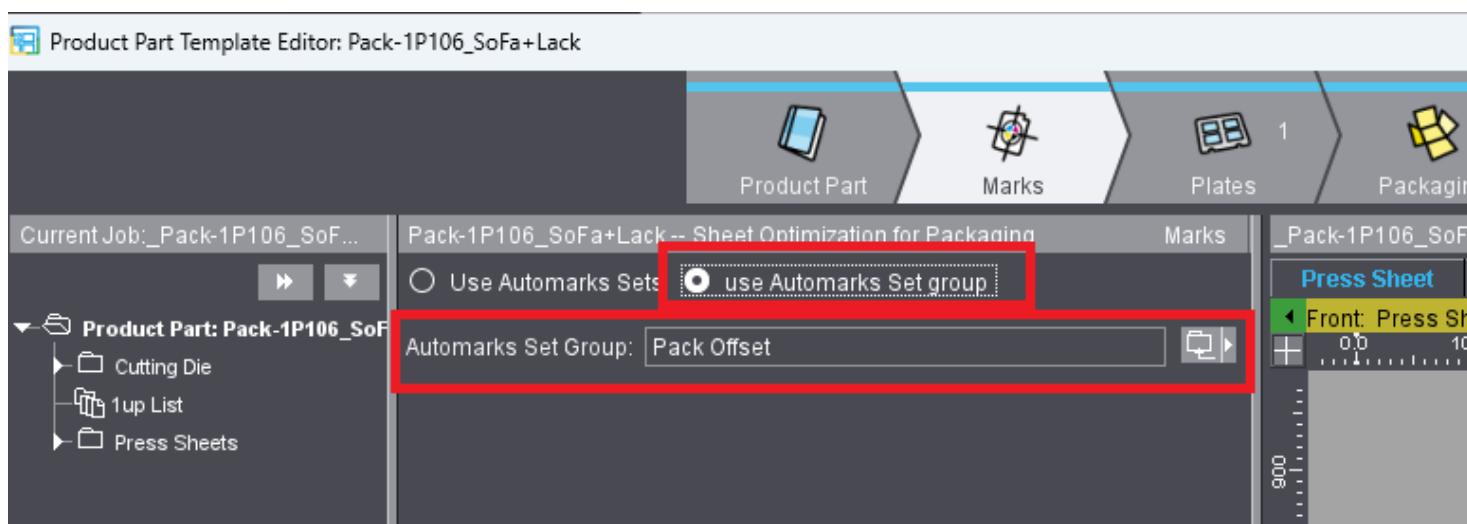
Parameters for Automatic Gap Computation	
<input checked="" type="checkbox"/> Automatic Gap Computation	<input type="checkbox"/> Use for JDF Import
<input type="checkbox"/> Routing margin:	3.0 mm
<input type="checkbox"/> Min. Head Trim:	2.0 mm
<input type="checkbox"/> Min. Foot Trim:	2.0 mm
<input checked="" type="checkbox"/> Min. Gap:	2.0 mm
Max. Head Trim:	10.0 mm
Max. Foot Trim:	10.0 mm
Max. Gap:	10.0 mm
Gap Top Border:	0.0 mm

Automarks Set Groups in Product Part Templates

Before



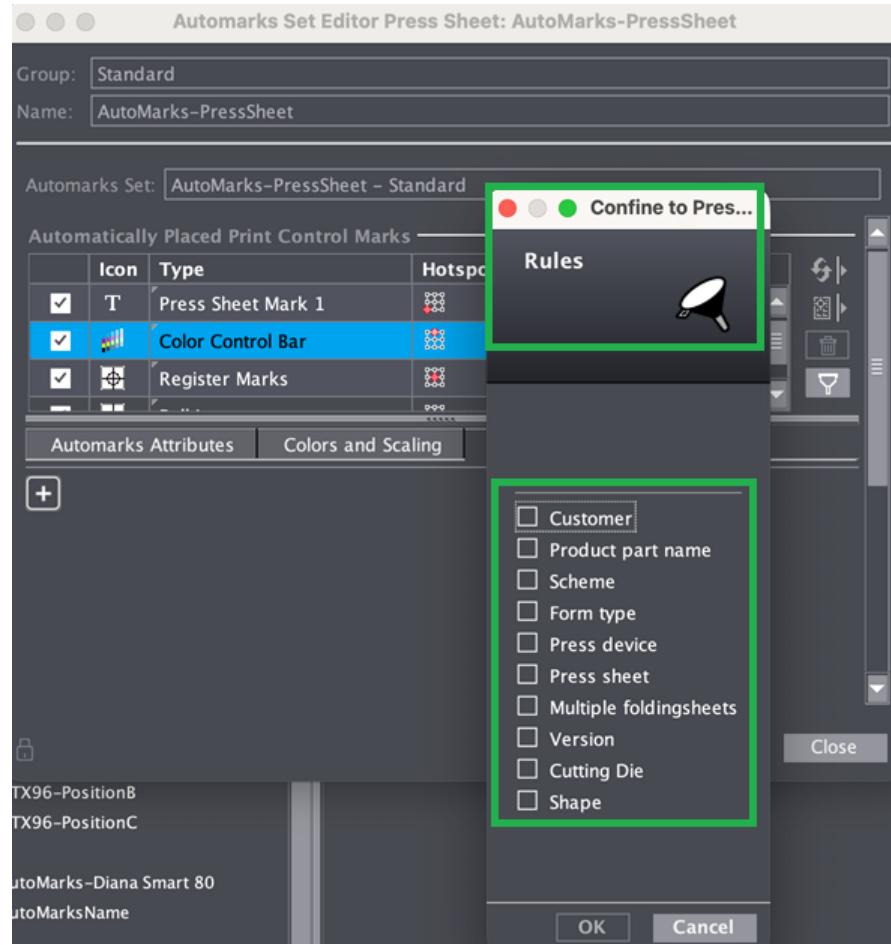
After



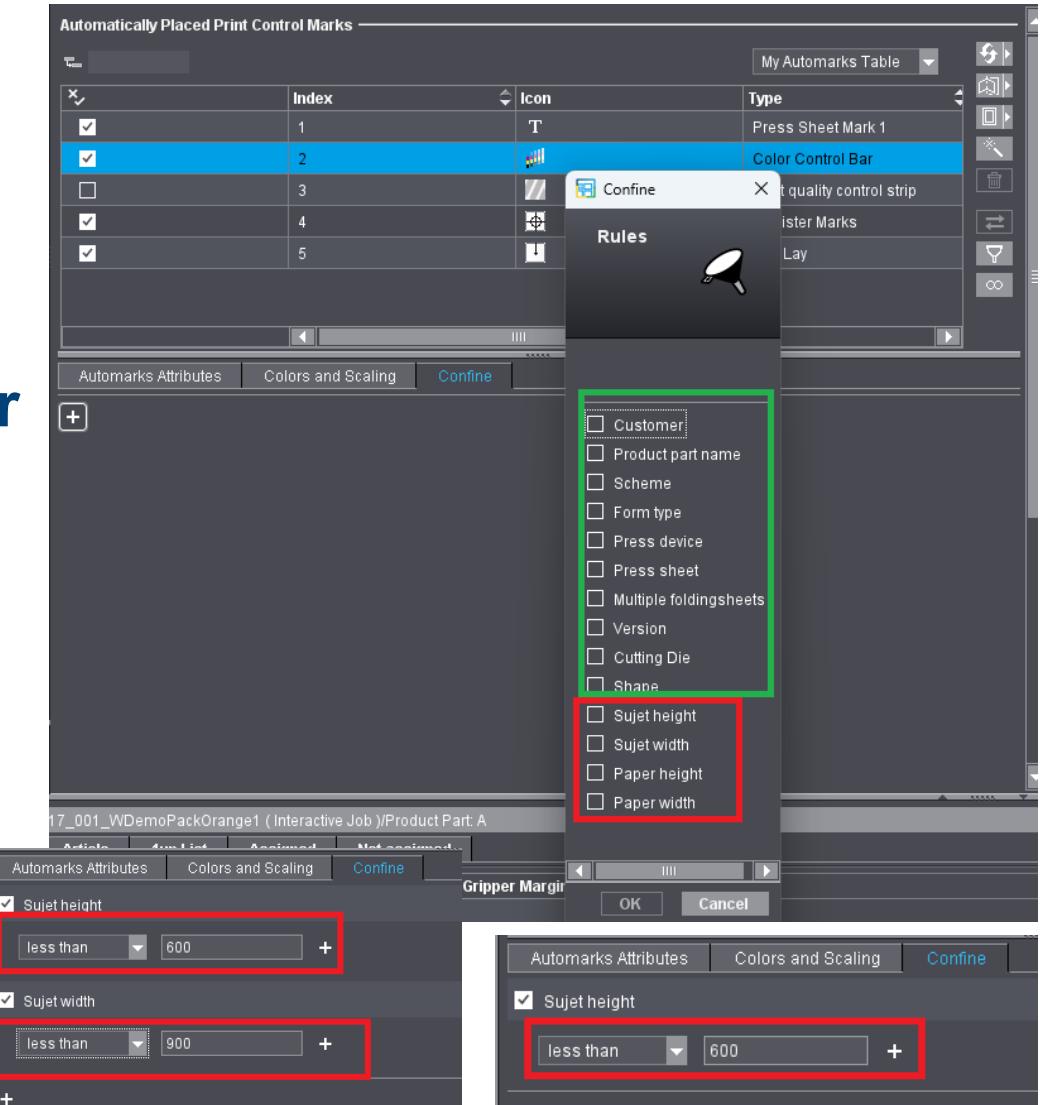
New Automarks Rules for Press Sheet Automarks

Different marks such as the MicroDCB color bar must be placed depending on the sujet or paper dimensions.

Before



After



Bleeds for Front and Back can differ (folding Boxes)

Only for front and back printing.

Here Front=Back

Cutting Die File and Main Settings

Cutting Die	Tool	Format	Press Sheet
DieVeniceOrange1.1.cf2 (0)	DieVeniceOrange1.1	934.5 mm x 704.0 mm	Press Sheet 1 1: SM 102 - Standard (Sheetwise)

Bleed

Line Type for Bleed: 92

Assembly Block Parameters

Same content for all 1ups of a shape

Orientation: 0° 90° 180° 270°

Position X: -7.25 mm Y: 10.0 mm automatic

Margin left: 0.0 mm right: 0.0 mm

Margin bottom: 0.0 mm top: 0.0 mm

Shape List

Shape	Format	1up	Folding type	Bleed
V04	311.5 mm x 282.0 mm	9 (1 - 2)	No	<input type="checkbox"/> <input type="checkbox"/>

Bleeds are identical for front and back

Press Sheet

Front: FB001 (Sheetwise (front and back))

Back: FB001 (Sheetwise (front and back))

Graphics

Bleeds for Front and Back can differ (folding Boxes)

Only for front and back printing with f.i. glue flaps

Here Front != Back

Packaging WDemoPackOrange2_FrontBack / WDemoPackOrange2_FrontBack_WDemoPackOrange2_FrontBack (Interactive Job) / Product Part: A Graphics

Cutting Die File and Main Settings

Cutting Die	Tool	Format	Press Sheet
DieVeniceOrange1.1.cf2 (0)	DieVeniceOrange1.1	934.5 mm x 704.0 mm	Press Sheet 1 1: SM 102 - Standard (Perfecting)

Bleed
Line Type for Bleed: 92

Assembly Block Parameters

- Same content for all 1ups of a shape
- Orientation: 0° 90° 180° 270°

Position X: 32.75 mm Y: 10.0 mm automatic

Margin left: 0.0 mm right: 0.0 mm

Margin bottom: 0.0 mm top: 0.0 mm

Shape List

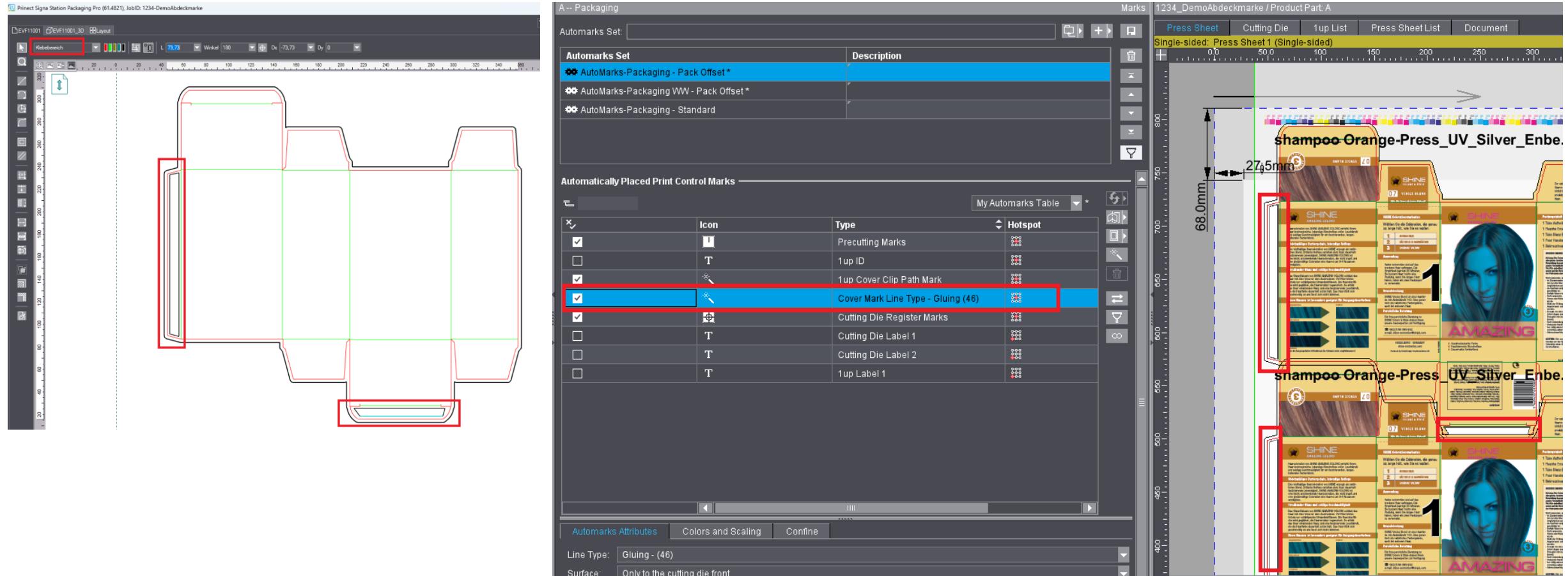
Shape	Format	1up	Folding type	Bleed
V04	311.5 mm x 282.0 mm	9 (1 - 2)	No	<input type="checkbox"/> Bleeds for front and back can differ

Front: FB001 (Perfecting)

Back: FB001 (Perfecting)

New Automark 'Cover Mark Line type - Glueing'

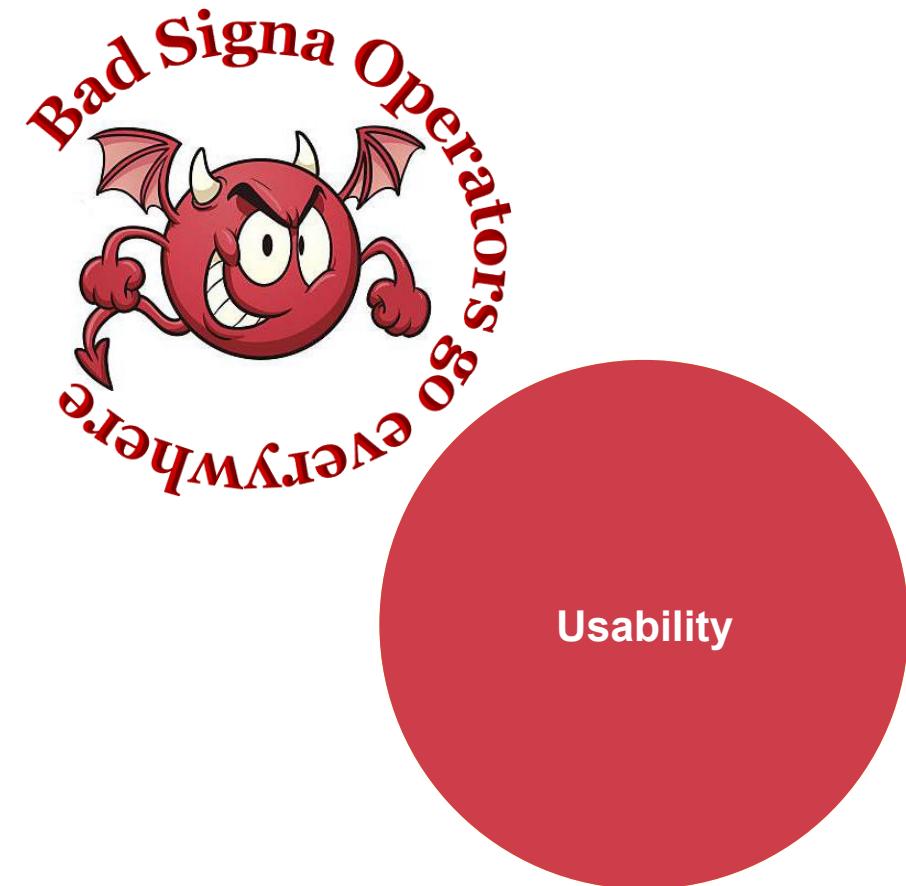
Cover Marks are created automatically by closed Line type Gluing (46) coming f.i. from CF2



The screenshot illustrates the Prinect Signa Station Packaging Pro software interface, specifically the 'Klebermark' (Glueing) tool. On the left, the 'Klebermark' tool is selected in the toolbar. The main workspace shows a product layout with red and green lines indicating the placement of glue marks. The 'Automarks Set' panel on the right lists three sets: 'AutoMarks-Packaging - Pack Offset', 'AutoMarks-Packaging WW - Pack Offset', and 'AutoMarks-Packaging - Standard'. The 'Automarks Set' panel also contains a table titled 'Automarks Set' with columns for 'Icon', 'Type', and 'Hotspot'. One row in this table is highlighted with a red box and labeled 'Cover Mark Line Type - Glueing (46)'. The 'Marks' panel on the right shows a detailed view of the product layout, including dimensions like '68.0mm' and '27.5mm', and various labels for different parts of the product. The overall interface is designed for efficient management and placement of print control marks during the packaging design process.

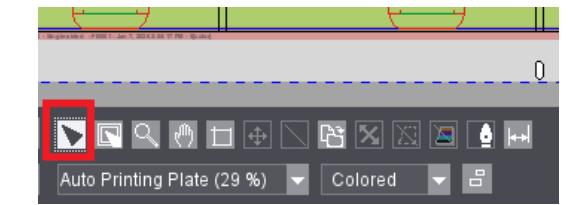
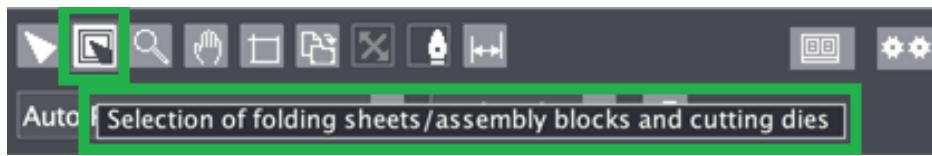
Usability

- *Tool for shifting marks as well as folding sheets*
- *Remember last selected tool*
- *Marks TOV with now with Grouping Table*
- *Duplicate Cutting Die*
- *1up copies with Copy/Paste keyboard shortcuts*

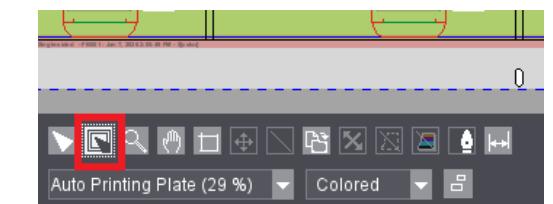


Tool for shifting marks as well as folding sheets & Remember last selected tool

Before



After



All tools that can be accessed without selection are remembered at runtime. All other tools revert to the tool on the far left as before (only with Mediaset 13).

Marks TOV with now with Grouping Table

Before

Automarks Set: XL_105 – Jobintern *

	Icon	Type	Hotspot	Name – Group	Folding Sheets
<input checked="" type="checkbox"/>		Cut Marks		CutMark – Sta...	1,2,3,4,5
<input type="checkbox"/>	T	Collating Marks		Flattermarke...	
<input checked="" type="checkbox"/>		Fold Marks		FoldingMark_k...	1,2,3,4,5
<input checked="" type="checkbox"/>		Folding Crosses		Falzkreuz_3m...	1,2,3,4,5
<input checked="" type="checkbox"/>		Folding Sheet ...		FoldingSheetC...	1,2,3,4,5
<input type="checkbox"/>		Fold Lay Mark		SheetLay – Sta...	
<input type="checkbox"/>	T	1up ID		OneUpIdentifie...	
<input type="checkbox"/>		1up Cover Cli...		CoverClippa...	

After

A -- Packaging

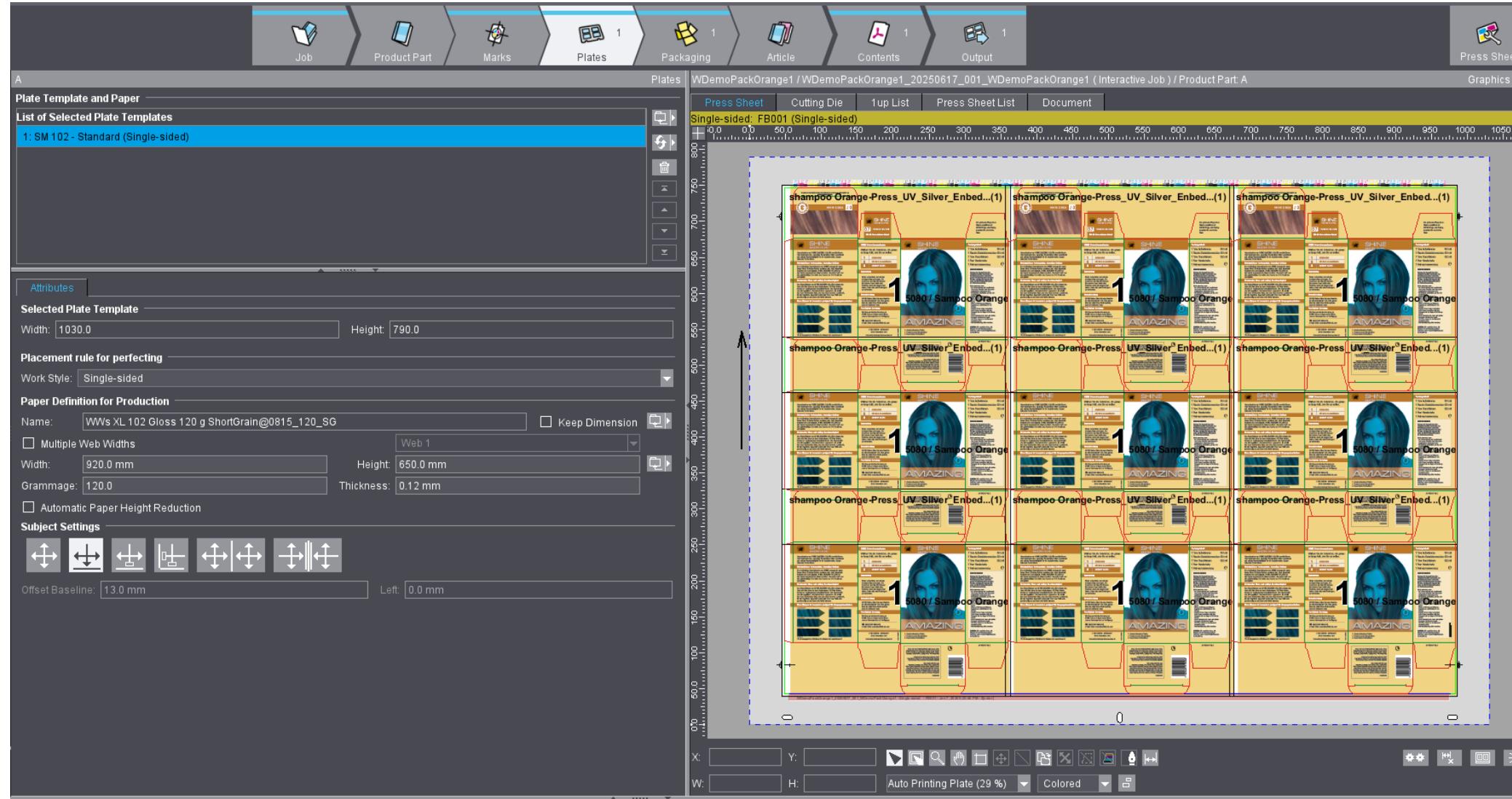
Automarks Set: AutoMarks-PressSheet - Standard

	Index	Icon	Type
<input checked="" type="checkbox"/>	1	T	Press Sheet Mark 1
<input checked="" type="checkbox"/>	2		Color Control Bar
<input type="checkbox"/>	3		Print quality control strip
<input checked="" type="checkbox"/>	4		Register Marks
<input checked="" type="checkbox"/>	5		Pull Lay

New “Index” column to return to the original sorting order (function and “Index” column only available with Mediaset 13)

Duplicate Cutting Die

1) Job and cutting die for 102er formate is available



Duplicate Cutting Die

2) Change Plate Template and Paper for 145er formate

A-- Packaging

Plate Template and Paper

List of Selected Plate Templates

1: XL145 - Standard (Single-sided)

Attributes

Selected Plate Template

Width: 1460.0 mm Height: 1175.0 mm

Placement rule for perfecting

Work Style: Single-sided

Paper Definition for Production

Name: FBB UC1 1440 1060 LG@UC1_LG_XL145 Width: 1440.0 mm Height: 1060.0 mm Thickness: 0.5 mm Grammage: 280.0 Quality: FBB (UC1)

Automatic Paper Height Reduction

Subject Settings

Offset Baseline: 14.0 mm Left: 0.0 mm

Plates

WDemoPackOrange1 / WDemoPackOrange1_20250617_001_WDemoPackOrange1 (Interactive Job) / Product Part A

Press Sheet Cutting Die 1up List Press Sheet List Document

Single-sided: FB001 (Single-sided)

00 0.0 100 200 300 400 500 600 700 800 900 1000 1100 1200 1300 1400 1500

1100
1000
900
800
700
600
500
400
300
200
100
00

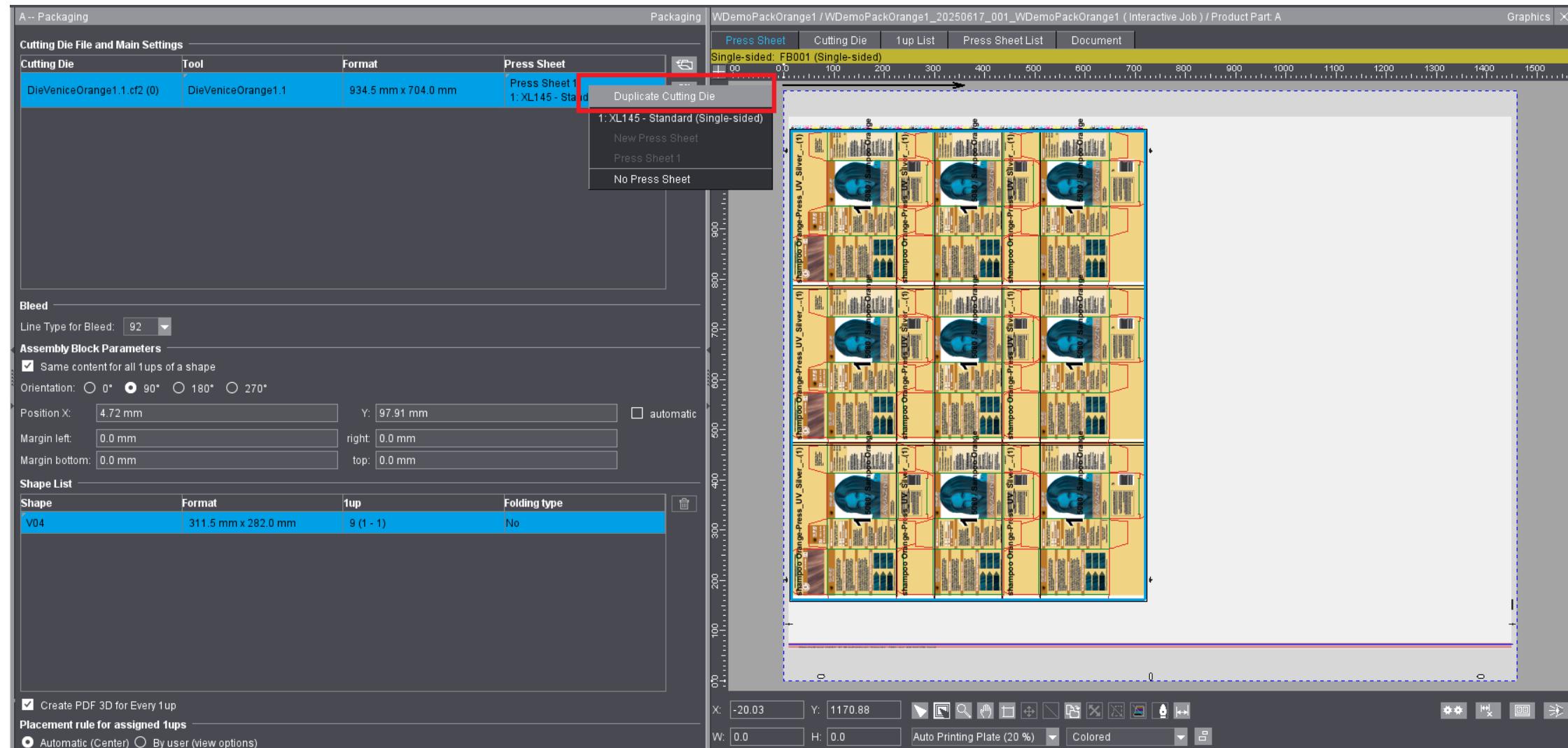
shampoo Orange-Press_UV_Silver_-(1)
1 5080 / Shampoo Orange
AMAZN

X: -20.03 Y: 48.0
W: 0.0 H: 0.0 Auto Printing Plate (20 %) Colored

Graphics

Duplicate Cutting Die

3) Rotate Cutting Die and use new function Duplicate Cutting Die



Duplicate Cutting Die

4) Cutting Die is now easily duplicated for 145er formate

A -- Packaging **Packaging** **WDemoPackOrange1 / WDemoPackOrange1_20250617_001_WDemoPackOrange1 (Interactive Job) / Product Part: A** **Graphics**

Cutting Die File and Main Settings

Cutting Die	Tool	Format	Press Sheet
DieVeniceOrange1.1.cf2 (0)	DieVeniceOrange1.1	934.5 mm x 704.0 mm	Press Sheet 1 1:XL145 - Standard (Single-sided)
DieVeniceOrange1.1.cf2 (1)	DieVeniceOrange1.1	934.5 mm x 704.0 mm	Press Sheet 1 1:XL145 - Standard (Single-sided)

Bleed
Line Type for Bleed: 92

Assembly Block Parameters
 Same content for all 1ups of a shape
Orientation: 0° 90° 180° 270°

Position X: 726.07 mm Y: 97.91 mm automatic

Margin left: 0.0 mm right: 0.0 mm

Margin bottom: 0.0 mm top: 0.0 mm

Shape List

Shape	Format	1up	Folding type
V04	311.5 mm x 282.0 mm	9 (2 - 2)	No

Create PDF 3D for Every 1up

Placement rule for assigned 1ups
 Automatic (Center) By user (view options)

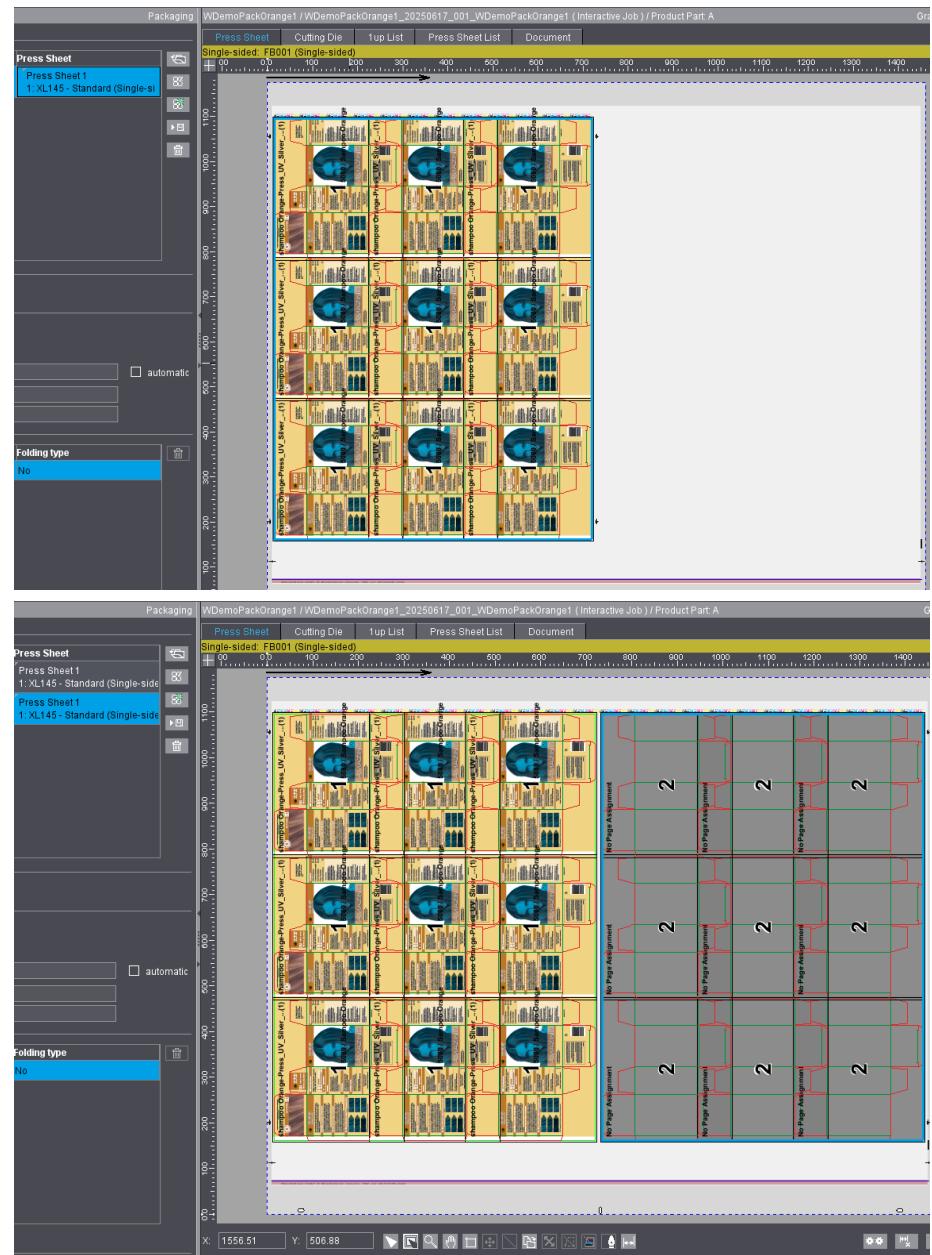
Press Sheet **Cutting Die** **1up List** **Press Sheet List** **Document**

Single-sided: FB001 (Single-sided)

X: 706.53 Y: -11.1 W: 0.0 H: 0.0 Auto Printing Plate (20 %) Colored

1up copies with Copy/Paste keyboard shortcuts (Only Keyboard not in menu !!)

- Assembly blocks can be copied using CTRL-C and CTRL-V (even with multiple selections)
- Cutting Dies can be copied using CTRL-C and CTRL-V (even with multiple selections). What we have just achieved by duplicating the die cut can also be achieved with CTRL-C / CTRL-V.
- Sheet Optimization without Layout can be copied using CTRL-C, CTRL-X and CTRL-V
- Works on MAC too



Marco Rassfeld from Meinders & Elstermann

Introduction Marco Rassfeld | Meinders & Elstermann

- Lead Prepress | Production | IT
- Management of digital processes
- Medienfachwirt
- Implementation of full JDF integration [2018]
- Administrator Prinect-Systeme
- several field tests with HEIDELBERG
- With the company for over 25 years
- Traditional, full-service printing company
- more than 140 years of tradition
- 3 locations [Belm, Saerbeck, Oldenburg]
- Over 250 employees



MEINDERS & ELSTERMANN

Questions?

LET'S CONNECT

PRINECT
USER DAYS