

6. International Prinect User Days, November 18th and 19th, 2015

New Features for label production

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Workshop 5 Prinect label workflow

- 1. Different workflows for labels
- 2. Workflow for ganging for cut & stack
- 3. Automatic creation with csv file
 - → Different ways of sheet creation for ganging
- 4. Digital label print with Gallus DCS-340
 - → Overview of Digital Front End Label
 - → Multicolor
- 5. Q&A, Tips & Tricks



Different workflows for label production depending on finishing requirements

- → Cut labels:
 - → Guillotine
 - → rectangular labels (like pages)
- → Cut & stack labels
 - → Guillotine with die cutting
 - \rightarrow First cut, then die cut one-up
- → Die cut labels
 - → Sheet die cutter
 - → Nested sheet layout with one or more shapes







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Differentiation by single or multiple articles per sheet or job

- → Single article (sorted):
 - → **One** sheet with one article







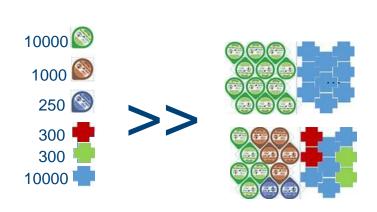
- \rightarrow Gangform:
 - → One or more print sheets with one or more shapes and several articles (e.g. label sets= front, back, neck label) for one job



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- → Gang Job:
 - → One or more print sheets with one or more shapes and several articles from different jobs to reduce production costs



Gangform production for labels



- → Job creation with
 - → Business Manager
 - → Webshop
 - → Cockpit : automated via .csv
 - → Cockpit : manual



- → Prepress Manager
- → PDF Toolbox
- → Sheet preparation with
 - → Signa Station with Sheet Optimizer
 - → Signa Packaging Pro







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Demo 1a:

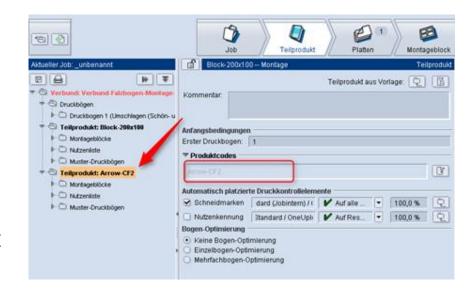
Cut and cut&stack label gangform

- → Automated job creation with csv file:
 - → Articles are created with all relating info and can be used in different gang jobs
- → One-up preparation:
 - → Creation of separation for embossing
 - → PDF Compare
- → Sheet preparation:
 - → without Layout
 - → Marks
 - → Sheet optimizing



New in Prinect 2016 Gang jobs with CFF2 data

- → Assembly blocks based on CFF2 for gang forms with cut&stack labels
- → Mixing part products
 type "Impositioning" and
 "Assembly" with CFF2. This
 cluster can be used as layout
 template



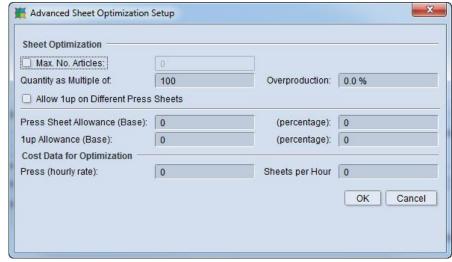
- → Easy filtering by paper quality
- → Subsequent adaptation of delivery amount of each job
- → Transfer of results to Business Manager



Gang job calculation

- → Automatic calculation based on geometry and cost parameters
- → Comparison of different plate templates (formats)
- → The most cost efficient result will be shown!
- → Manual corrections can be done
 - → Slider
 - → Delete/add

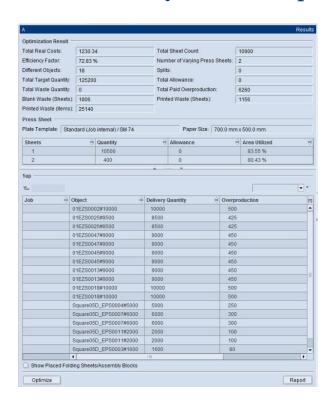








- → For all working modes
 - → Detailed results under "Results"*
 - → Summary of most important results under "Optimization"



Tot	al Va	alues:										
Total Real Costs:							1230.34					
Total Sheet Count:							10900					
Efficiency Factor:						7	72.83 %					
Number of Varying Press Sheets:						2						
Different Objects:							18					
	its:						0					
Total Target Quantity: Total Paid Overproduction:						125200 6260						
Blank Waste (Sheets):							1806					
Printed Waste (Sheets): Printed Waste (Items):						1156 25140						
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	er S			31	700.0 m							
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Demo 1b:

Cut and cut & stack label gang form

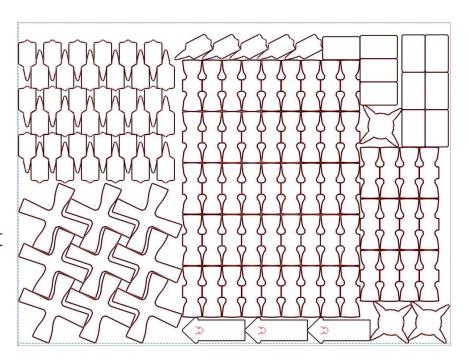
- → Automated job creation with csv file:
 - → Articles are created with all relating info and can be used in different gang jobs
- → One-up preparation:
 - → Creation of separation for embossing
 - → PDF Compare
- → Sheet preparation:
 - → with Layout
 - \rightarrow Marks
 - → Sheet optimizing

Gang form based on die cutting layout



- → Import of any CAD formats
- → Automatic sheet optimizing
- → Sorting by articles
- → Changes

→ Fast creation of cost efficient print sheets!



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Demo 2:

Die cut label gang form

- → Automated job creation with csv file:
 - → Articles are created with all relating info and can be used in different gang jobs
- → Sheet optimizing on die layout
 - → Shape assignment based on csv info
- → 3D simulation of labels



Digital label printing Gallus DCS 340 with Prinect Digital Front End Label





Prinect DFE-Label



- Job management
- Preflight
- Impositioning
- Color management
- Rendering/sreening



HMI

Machine Control

- Machine settings
- Job queue control
- Control print heads
- Machine feedback

Advantages of Prinect DFE-L



- → High efficiency for all processes
- → Higher automation level
- → Better transparency & cost control
- → Top quality repeatable at any time



Data Import



- → PDF Standard data format from any application
 - → One-up







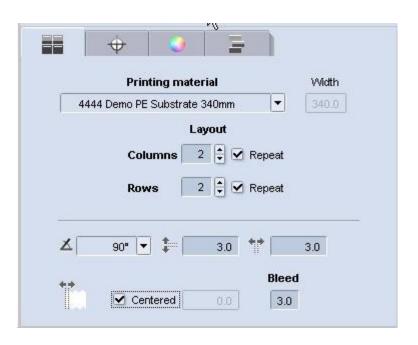
or

→ Segments



Imposition in DFE-L





- \rightarrow For one-ups
 - → Substrate
 - → Amount horizontal & vertical
 - → Rotation
 - → Distances
 - \rightarrow Position
- \rightarrow For segments only
 - → Substrate
 - → Position





- → Adaptation to available inks
 - → ICC-profiles for different substrates and printing conditions

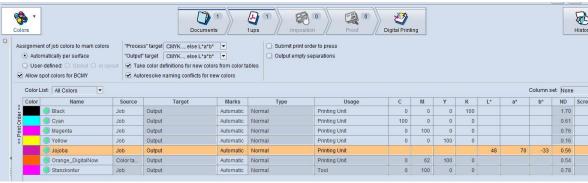




Spot color simulation

- → Spot color from color tables
 - → Pantone, HKS, individual tables or
 - → Measuring a sample

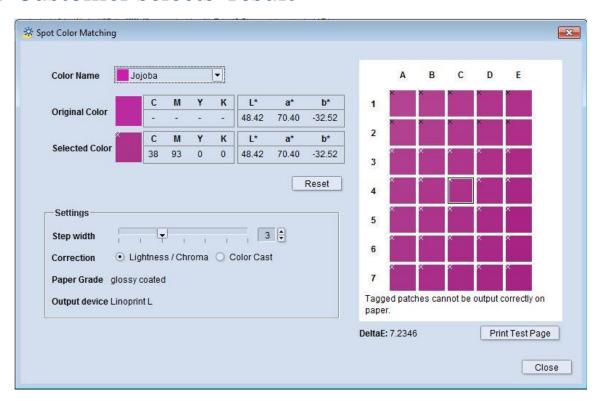








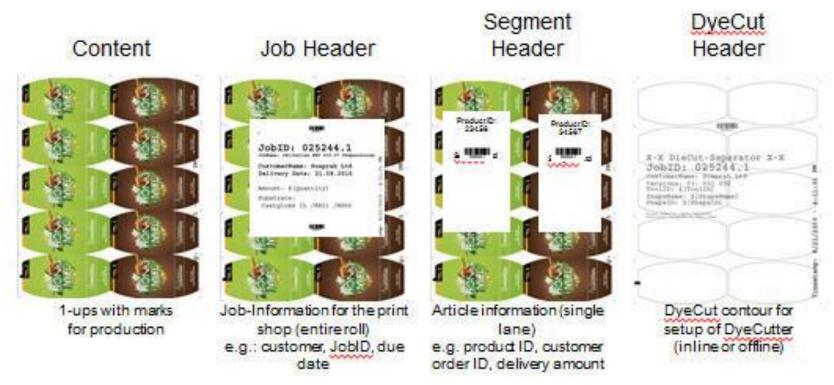
- → Measured color can vary
- \rightarrow Print samples
- → Customer selects result





HMI print queue management

- → Meta data and rendered data are available
- → Printer can add information, change priorities, ...
- → Additional information at the beginning or end





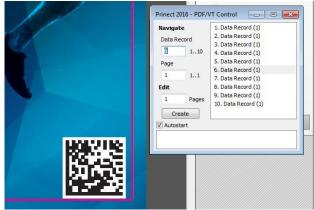
Prinect Digital Front End Label Variable Data

- → Fast creation of variable data in PDF Toolbox
 - → E.g. Datamatrix Code with individual number on each one-up



- → Output as PDF-VT
- → Check with PDF-VT Control







For further information please contact sabine.roob@heidelberg.com

Thank you for your attention!



