



titel

INTERNATIONAL
PRINECT USER DAYS

WS 4 and WS 5:
Plate Pilot.
Managed plate output for print.



■ ■ ■ W. Stoltenberg, S. Bauch ■
Plate Pilot. Managed plate output for print.

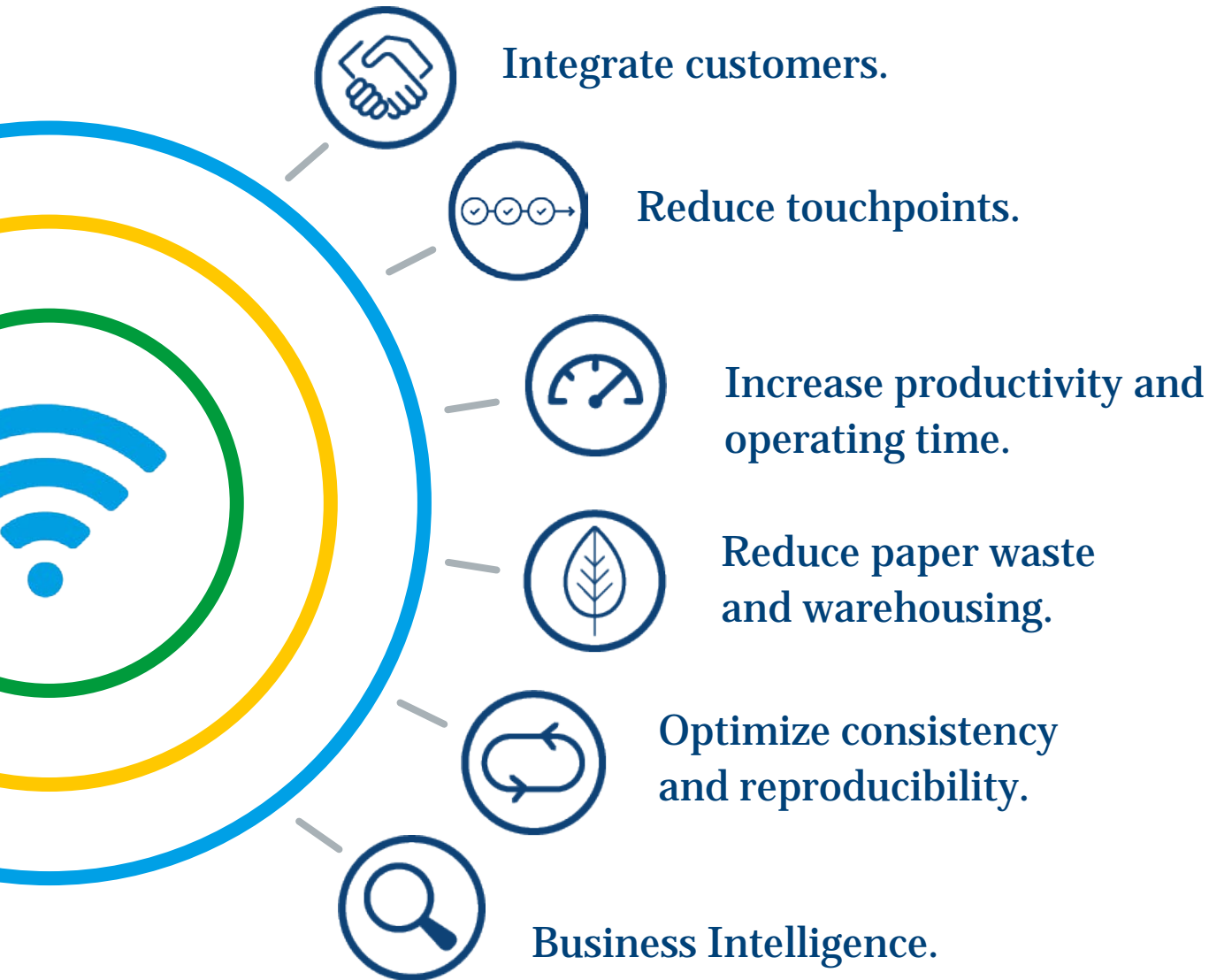
Push-to-stop plate production.

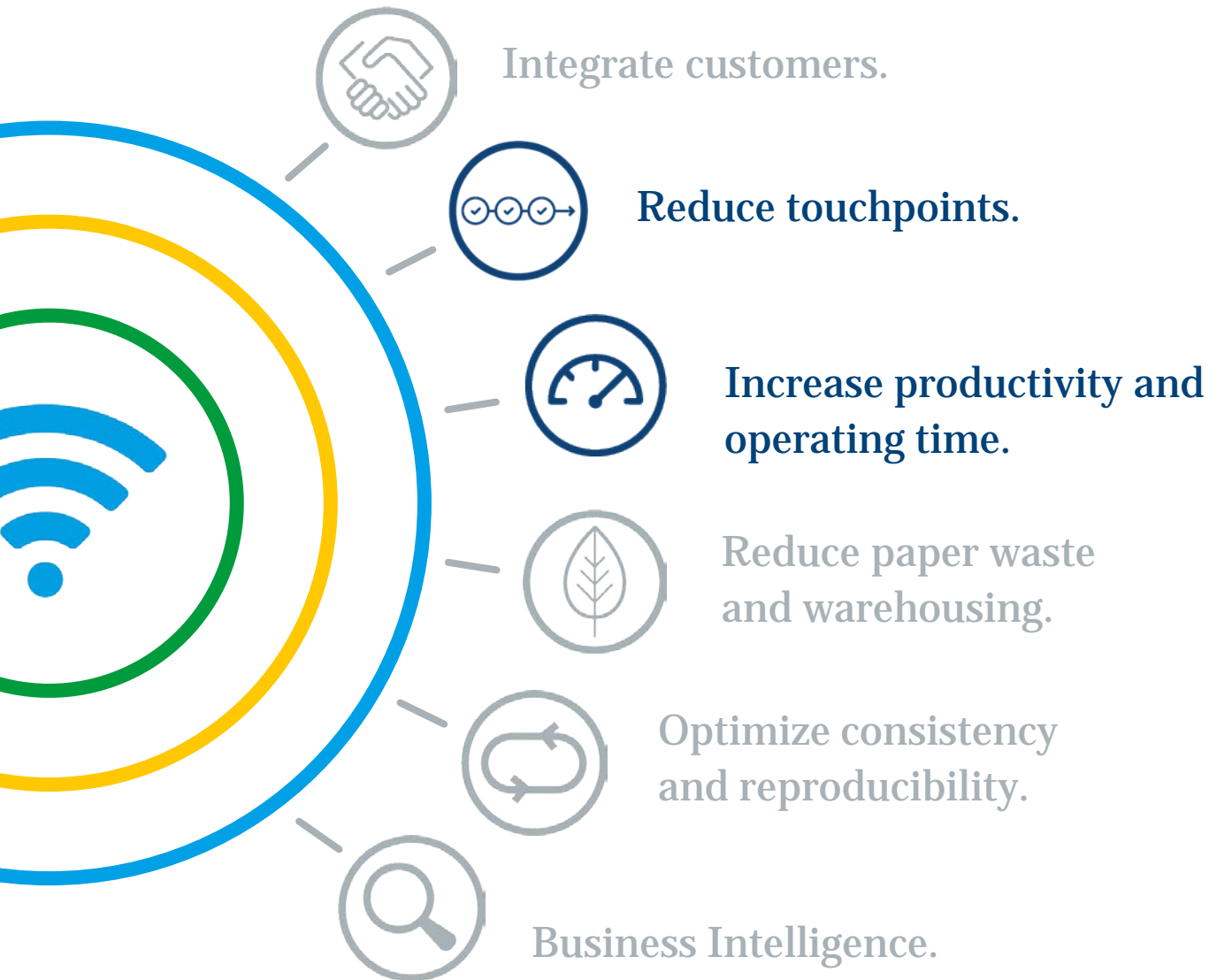
You want

- plates at the printing units in time without manual plate (re-)sorting?
- easy supervision of the CtP status?
 - know if the plates are okay?
 - react to disturbances?

WORKSHOP

04







Reducing Touchpoints with Prinect Prepress.





Plate Automation

- Plate loading and output
- Feedback of all production times and amounts
- Additional benefits of SupraSetter with NELA
 - automatic bending
 - automatic sorting
 - automatic quality control



Your feedback was:

That is not enough!





Driving Productivity and Uptime with Prinect.



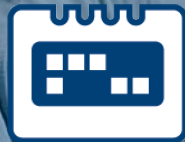


Are you familiar with this situation?

Prepress vs. Press.

J.Kraft

HEIDELBERG



Press scheduling



Plate scheduling





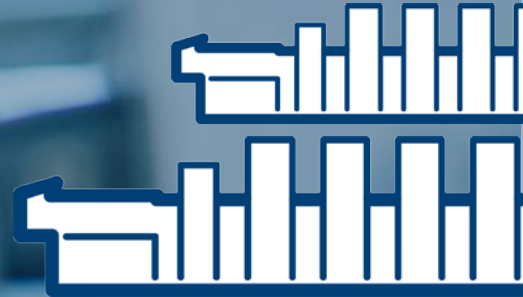
This leads to a daily challenge.



12



32





12



32





**Prepress
data flow**



**Press
schedule**



Plate Pilot



Plate Pilot – Push to Stop for plate making.



HEIDELBERG	
Job number: 20171017	
Job Name: 20171017-Touchpoints	
Customer: Customer Commercial 1	
Sheet: FB 001	
Version: -	
Front Colors: 4 Back Colors: 4	
Black	Black
Cyan	Cyan
Magenta	Magenta
Yellow	Yellow
Next operation: FB 001 4/4	
Planned Machine: XL106-S-P-SIM1	
10.10.2017 14:52	





Plate Pilot: Principle



Plate Pilot

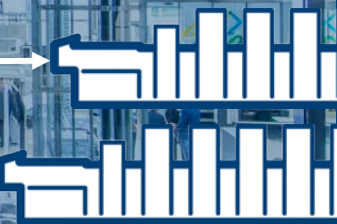
12



32



XL 105-8P
1275
1276
3261
3262
XL 106-4
1285
1286



Prepress

Plate sets

Duration
plate making

Transition
duration



Sebastian Bauch

Live
Demonstration.





Plate Pilot: Principle



Plate Pilot

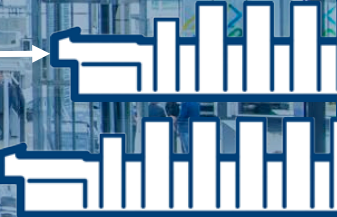
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32



XL 105-8P
1275
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Prepress

Plate sets

Duration
plate making

Transition
duration



Plate Pilot – control via Portal Widget

Presses

TIFFs sorted by schedule

Plate Stacks

CtP devices

Princt Portal | Plate Pilot | eng-platepilot | HEIDELBERG

Press

Machine	Information
UD-PrintDevice-A (100002)	Plate Stacks: (1) Provide plates Print end: May 28, 2018, 5:32:09 PM
UD-PrintDevice-B (100003)	Plate Stacks: (0) Unknown Print end: -
UD-PrintDevice-C (100006)	Plate Stacks: (0) Unknown Print end: -
DIstest_CD102-5L (4612)	Plate Stacks: (0) Unknown Print end: -
DIstest_SM74-8-P5L (4622)	Plate Stacks: (0) Unknown Print end: -
FastTest_CD102-DT (FastT)	Plate Stacks: (0) Unknown Print end: -
FastTest_CD102-DT-Dance	Plate Stacks: (0) Unknown Print end: -
FastTest_CD102-DT-Dance	Plate Stacks: (0) Unknown Print end: -
FastTest_CD102-DT-Forma	Plate Stacks: (0) Unknown Print end: -
FastTest_CD102-TK1 (Fast	Plate Stacks: (0) Unknown Print end: -

TIFF-B Availability

TIFF-B Availability	Print Operation Data
8 (8)	4:28 PM (Text_2 4/4) Operation: Text_2 4/4 Job: UD-Dev-C-Job-1(UD-Dev-C-Job-1) Layout: Interop III for Print05 - Demo II Sheet: Text_2 (Text_2) Print start: 5/28/18, 4:28 PM Colors: BCMY/BCMY
8 (8)	4:57 PM (Text_1 4/4) Operation: Text_1 4/4 Job: UD-Dev-C-Job-1(UD-Dev-C-Job-1) Layout: Interop III for Print05 - Demo II Sheet: Text_1 (Text_1) Print start: 5/28/18, 4:57 PM Colors: BCMY/BCMY
6 (6)	5:25 PM (Cover 6/6) Operation: Cover 6/6 Job: UD-Dev-C-Job-2(UD-Dev-C-Job-2) Layout: Interop III for Print05 - Demo II Sheet: Cover (Cover) Print start: 5/28/18, 5:25 PM Colors: BCMYHP/-
8 (8)	6:16 PM (Text_2 4/4) Operation: Text_2 4/4 Job: UD-Dev-C-Job-2(UD-Dev-C-Job-2) Layout: Interop III for Print05 - Demo II Sheet: Text_2 (Text_2) Print start: 5/28/18, 6:16 PM Colors: BCMY/BCMY
8 (8)	7:06 PM (Text_1 4/4) Operation: Text_1 4/4 Job: UD-Dev-C-Job-2(UD-Dev-C-Job-2) Layout: Interop III for Print05 - Demo II Sheet: Text_1 (Text_1) Print start: 5/28/18, 7:06 PM Colors: BCMY/BCMY

Plate Stacks

Availability of printing plates	Stack Data	Information
0 (16)	3:30 PM (000026) Print start: 5/28/18, 3:30 PM Print end: 5/28/18, 4:32 PM Job number: UD-Dev-B-Job-1 Imaging time: 48 Minutes Press: UD-PrintDevice-B (100003) Platesetter: Suprasetter_145@KIE-WF30PRDY Plate Carts: PlateCart B	i
0 (6)	4:00 PM (000027) Print start: 5/28/18, 4:00 PM Print end: 5/28/18, 4:28 PM Job number: UD-Dev-C-Job-1 Imaging time: 18 Minutes Press: UD-PrintDevice-C (100006) Platesetter: Suprasetter_145@KIE-WF30PRDY Plate Carts: -	i
22 (22)	4:15 PM (000025) Print start: 5/28/18, 4:15 PM Print end: 5/28/18, 5:32 PM Job number: UD-Dev-A-Job-1 Imaging time: 0 Minutes Press: UD-PrintDevice-A (100002) Platesetter: Suprasetter_145@KIE-WF30PRDY Plate Carts: PlateCart A	i

Platesetter

Machine	Information
PrinctShooter@KIE-KOHNMICH-W7	Current: (-) Press: (-) Plates: (-)
Suprasetter_145@KIE-WF30PRDY	Current: PlateCart B (000026) Press: UD-PrintDevice-B (100003) Plates: 16 (48 Minutes)
TiffBHandler1@KIE-WF30PRDY	Current: (-) Press: (-) Plates: (-)
TiffBHandler2@KIE-WF30PRDY	Current: (-) Press: (-) Plates: (-)

i Create Plate Stack Imaging



Presses

- Press status regarding plates
- Selection of press for work step view

Work steps

- List of work steps of selected press, sorted by start time
- Show progress of TIFF-B availability
- Intention:
 - Spot problems regarding planned start
 - Create plate stacks
 - In case of problems allow re-ordering of work steps
- Result: work steps grouped into plate stacks

Overview of work steps of one press for creating plate stacks.

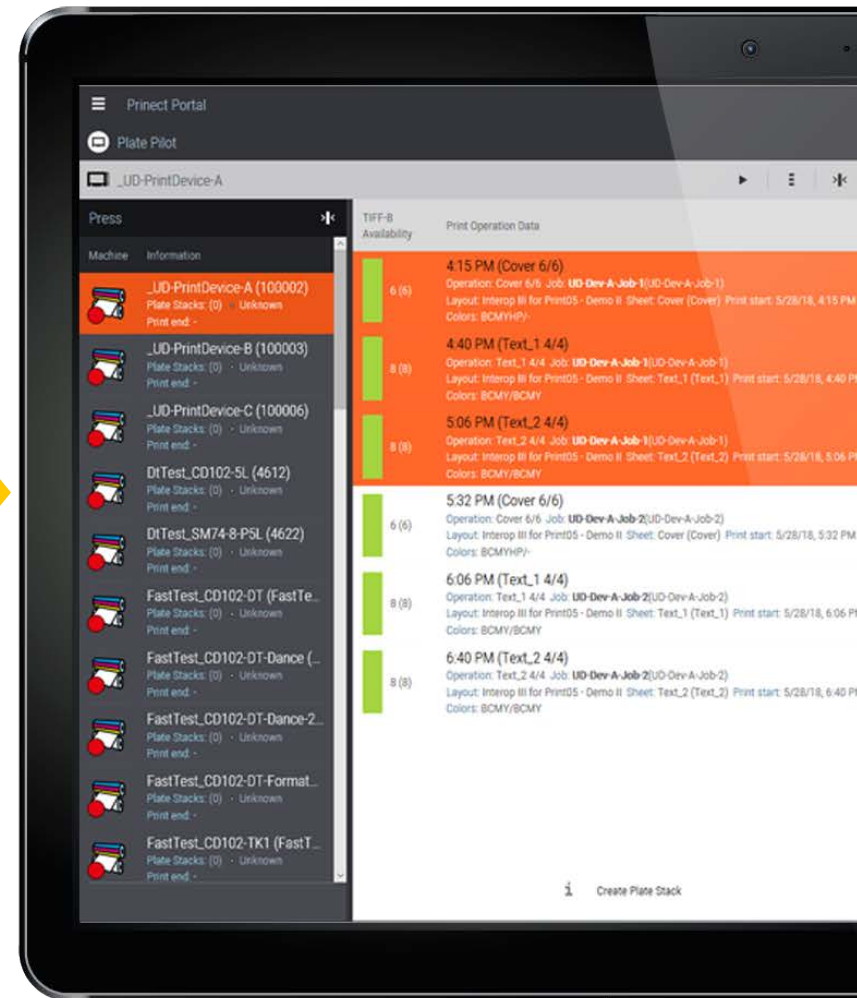




Plate stacks

- shows plate stacks of all presses with ascending start time of their first work step
- Progress and problems of plate recording
- Filter for presses, platesetters, and status can
- Forward a plate stack to a free platesetter
- Optionally assign a plate trolley

In case of problems:

- Move recording to another platesetter
- Reimage a plate
- Selection of press for work step view

Platesetter

- Show platesetters and their status

Result: Plate Stacks imaged in time and order for scheduled press runs.

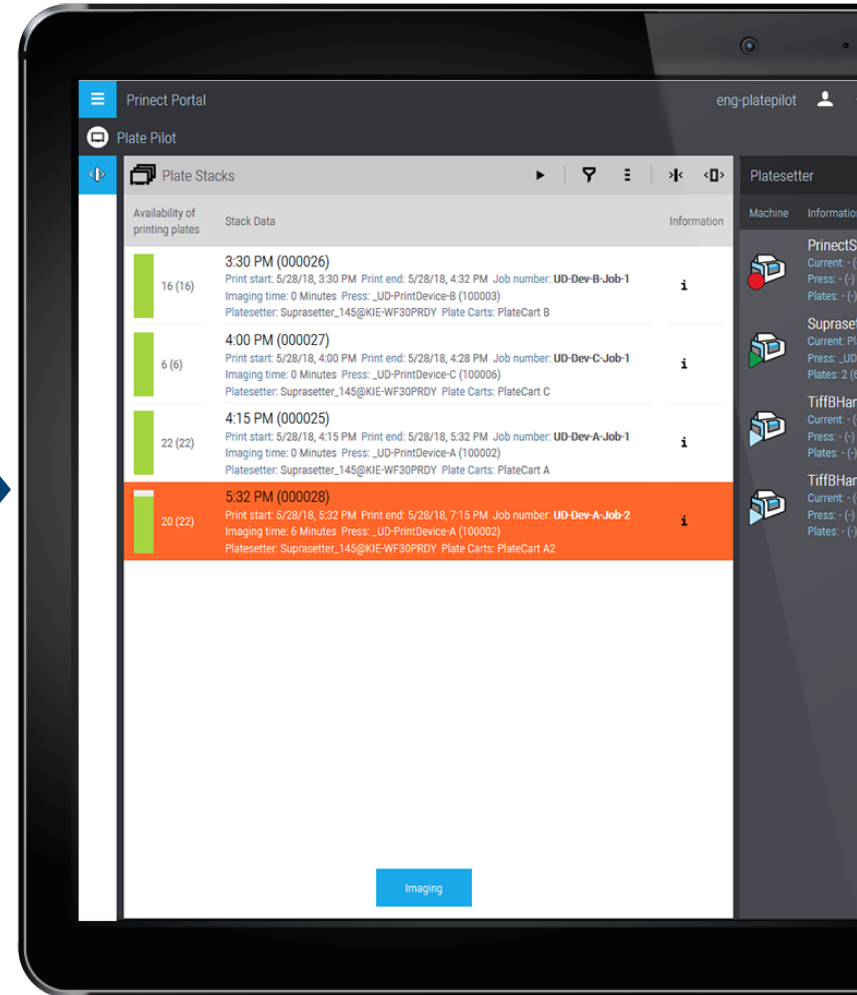




Plate Pilot Properties

- Any shooter/platesetter can be configured for the Plate Pilot
- platesetters are handled by the Plate Pilot exclusively (“either Plate Pilot or not”)
- 3rd part platesetters supported – via TIFF-B Handler
- Load balancing of plate setters – multiple plate setters in one cluster
- Ordering of plates within a plate stack strictly by press schedule
 - Tight integration with Scheduler
 - Manual reordering of press work steps in case of an exception
- Automation (rules based)
 - Plate stack creation
 - Plate stack recording
- Integration with NELA Plate Logistic in preparation
- Signaling of platesetter status via Pilot Lamp



Organizing plate output according to press schedule.



Automatic Plate Stack creation

- Rule-based creation of plate stacks according to printing start time and TIFF-B availability
 - Work steps sorted by start date (next work step ... next following ... then following ...)
 - Stack full when maximum stack size is reached
 - No of plates in stack must be recordable to reach press in time
 - work steps too far in the future are not started
 - when no platesetter is available, plate stack creation is interrupted

Automatic Plate Stack recording

- Rule-based forwarding of plate stacks to a free platesetter
 - When an platesetter is ready, select a new plate stack for recording
 - For the cluster of platesetters select the most urgent plate stack
 - Forward all plates of the plate stack to the shooter for recording
 - Somebody or something must take care of trolley change



Flexible automatic creation and recording of plate stacks.



Pilot Lamp. Remote Status Signal.

- Standard electric bulb controllable via WLAN (currently Philips Hue)
- Signals platesetter status “anywhere” in the print shop:
Error, waiting, idle, recording
- Configurable with Plate Pilot
- Several lamps supported
- Assign lamp to one or more platesetter





Pilot Lamp. Remote Status Signal.

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- Several lamps supported
- Assign lamp to one or more platesetter



**Signal platesetter status
anywhere in the print shop.**



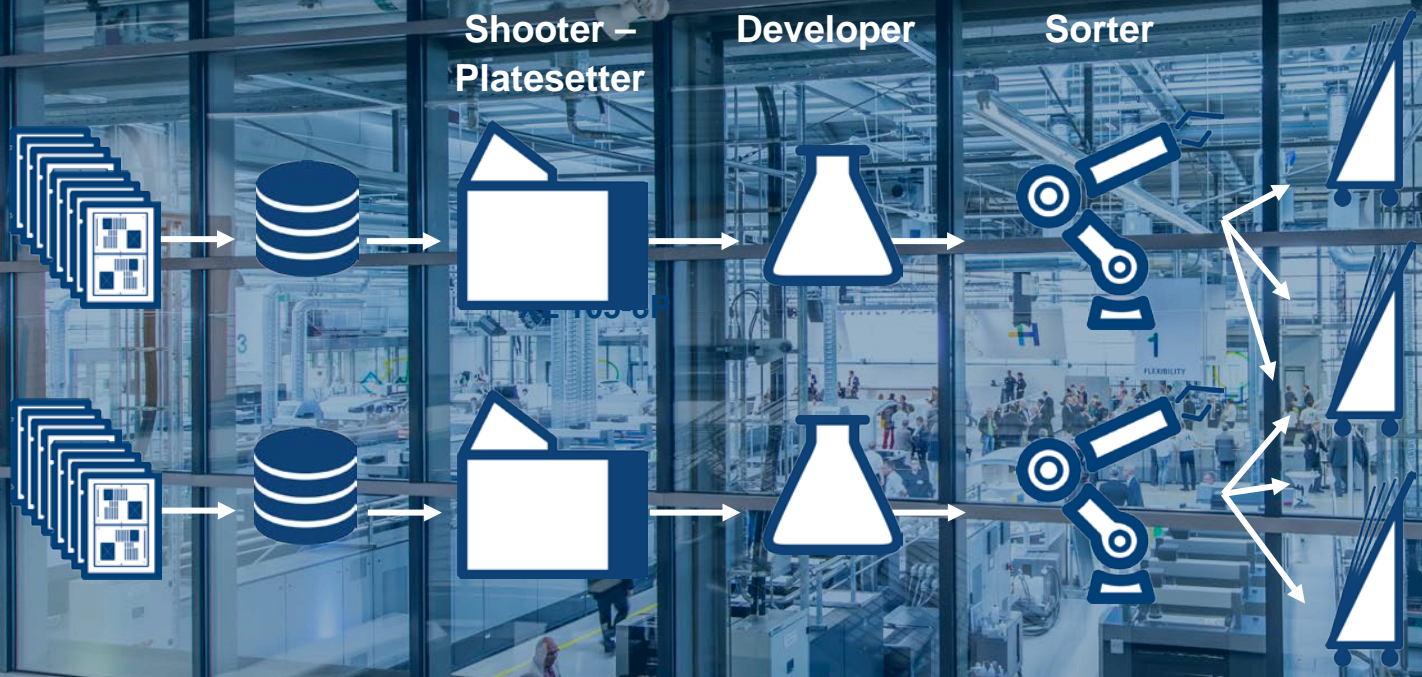


Overview plate processing.





Plate Pilot: Processing



FormOut_SuSe190-PlateProc



Plate processing as process.

- Configurable with Plate Pilot
- New step in ImpositionOutput and FormOutput-Sequence
- „Ready“-Trigger
 - Manual: in Plate Pilot Web-UI
 - Automatic: integration with NELA plate status center



Integration NELA Status Center.

- Standard Plate Mark in Signa containing all necessary plate properties for NELA
- New Plate-Interface in Prinect API for NELA
 - to report plate processing status
 - to get current target press
- Delivers „Plate Ready“ even for 3rd party platesetters



Represent plate processing
as processing step in Prinect.





Plate Pilot summary.





Configuration

- ON/OFF for entire System
- Supports Suprasetter and 3rd party platesetter via Shooter
- Manual and automatic modes

Prinect Portal Plate Pilot Widget - react to disturbances

- Press worksteps: TIFF-B availability, Creation of Plate Stacks
- Plate Stacks: Plate availability, Initiate image setting

Pilot Lamp – easy supervision of the CtP status

- Signals platesetter status “anywhere” in print shop

Plate Processing – know if the plates are okay

- Modeling of plate development, bending, quality assurance
- Integration with NELA via special data matrix mark and Prinect API



Organize plate making according to press – Push to Stop for plate making.



Where do I get it.

The new Plate Pilot is part of Prinect Production 2019.
With the upgrade to Prinect 2019 of your existing Prinect workflow with options Scheduler or MIS-Connection or Smart Automation.





Workflow solutions for Business and Production.
Prinect. Driving the Smart Print Shop.



Thank you very much for your attention.
We are happy to answer your questions.