



LET'S
CONNECT

INTERNATIONAL
PRINECT USER DAYS



Automated plate production – from Plate Pilot to press.



Push to Stop – Reduction of touchpoints.

Plate logistics w/o automation





Prinect Production Workflow Components.



Prinect Cockpit

- Job acquisition and job data management
- Add pages
- Qualify and prepare



Signa Station

- Define layout
- Place all necessary marks



Scheduling

- Schedule jobs considering the delivery date
- Optimize job sequenc

Different ways possible:

- MIS Scheduling
- Prinect Scheduler
- Job sequencing with Portal Widget



Plate Pilot

- Build plate stacks
- Output plates in the right order



Prinect Signa Station.

→ Placement of marks.

→ Marks for the identification of printing plates.

→ In the print-free area on the plate:

→ Plate ID

→ Nela code

→ Plate barcode



Prinect Scheduler.



Prinect Cockpit [Production, Prepress, Pressroom, Digital, Postpress] - [\\DRUAPP00011\PTConfig\SysConfig - SEETHALE]

File | Edit | View | Tools | Help

Machine view | Daily view | Weekly view | **Overall view** | Overview, individual job | Utilization | Employee Schedule

Overall view (0:00 - 24:00) | Machine Set: Commercial | May 12, 2021 - August 9, 2021

Monday, 17.May | Tuesday, 18.May | **reschedule**

XL106-8-P-SIM1
XL106-8-P-SIM2
POLAR-1
STAHL-KH82
ST500[4.0]

Optimize Print Order

XL106-8-P-SIM1

Start Date for Optimization: 08:00 Mon, 17.May.21 | Optimization Period (h): 24 | Match Postpress Operations to Press

Optimization Rule: *Paper and folding scheme: Folding Schemes1, Sheet width | **Run Optimization**

Job	Sheet	Machine	Folding Schemes	Sheet width
253443 - Ferry goes to holiday	ST107443 (4/4)	XL106-8-P-SIM1		920
253443 - Ferry goes to holiday	ST107444 (4/4)	XL106-8-P-SIM1	F16-7	880
253443 - Ferry goes to holiday	ST107445 (4/4)	XL106-8-P-SIM1	F16-7	880
253443 - Ferry goes to holiday	ST107446 (4/4)	XL106-8-P-SIM1	F16-7	880
253444 - Workshop dairy	ST107447 (4/4)	XL106-8-P-SIM1		920
253444 - Workshop dairy	ST107448 (4/4)	XL106-8-P-SIM1	F16-7	880
253444 - Workshop dairy	ST107449 (4/4)	XL106-8-P-SIM1	F16-7	880
253444 - Workshop dairy	ST107450 (4/4)	XL106-8-P-SIM1	F16-7	880
253445 - Wine catalogue	ST107451 (4/4)	XL106-8-P-SIM1		920
253445 - Wine catalogue	ST107452 (4/4)	XL106-8-P-SIM1	F16-7	880
253445 - Wine catalogue	ST107453 (4/4)	XL106-8-P-SIM1	F16-7	880
253445 - Wine catalogue	ST107454 (4/4)	XL106-8-P-SIM1	F16-7	880
1606-07 - 252786 Prinect Anwendertage	ST106044 (4/4)	XL106-8-P-SIM1	F4-1	920

Apply | Cancel

Presettings ... 0/22

Operation

- 1606-01 - Milk_Mini_Ce
- 1606-02 - Milk_Mini_Ce
- 1606-03 - Zitrovital Red (1) 12/31/21 11:40 32,000 111260N2HA (E...
- 1606-04 - Zitrovital Yellow (1) 12/31/21 11:40 0 111260N2HA (E...
- 1606-05 - Zitrovital Magenta (1) 12/31/21 11:40 0 42339D1HA_01 (...)
- 1606-06 - 272765 User Days (11) 12/31/21 11:40 Customer Commercia... 2,500 100277 (c)

Checkpoint filter off | Swap Lists: @Jobs

Size | Inks | Paper | Spot | Plates | Setup information

File | Edit | View | Tools | Help

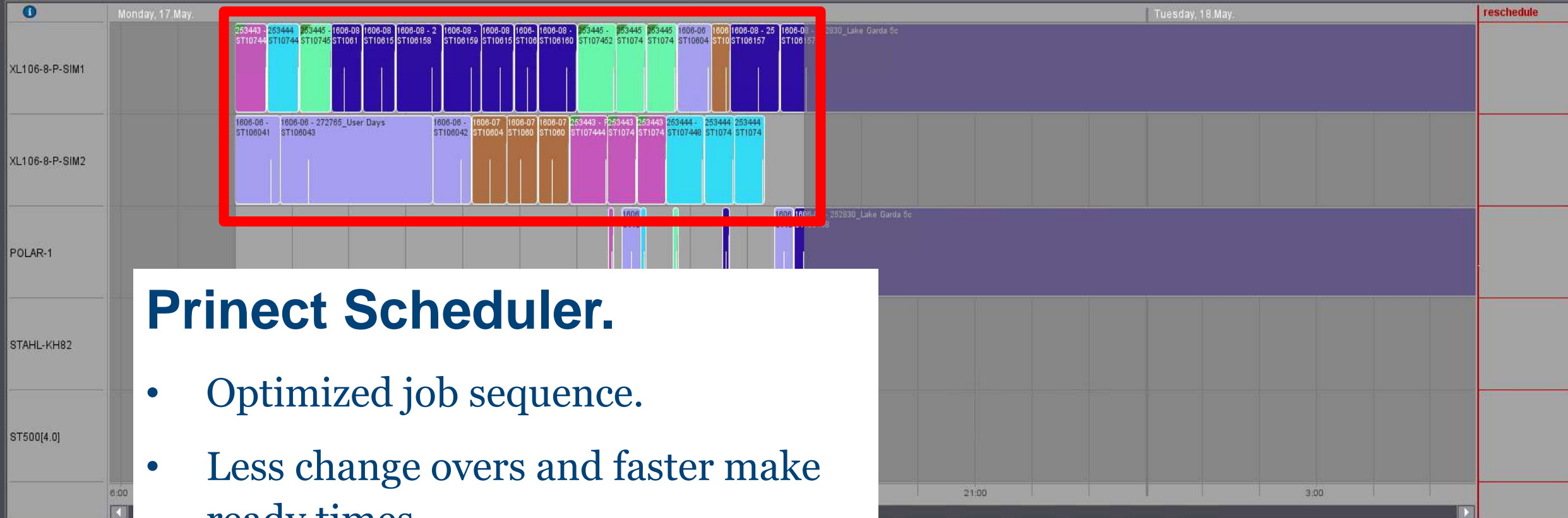


Machine view | Daily view | Weekly view | Overall view | Overview, individual job | Utilization | Employee Schedule

Overall view (0:00 - 24:00)

Machine Set: Commercial

May 12, 2021 - August 9, 2021



Prinect Scheduler.

- Optimized job sequence.
- Less change overs and faster make ready times.

Presettings ...

Lock/enable

Reject

Activate

Job	Sheet	Job:	Customer:	Machine:	Status:	Checkpoint filter off	Swap Lists:	@Jobs						
Operation	Due Date	Customer	Quantity	Printing Material	Start	Machine	Duration	Status	Size	Inks	Paper	Spot	Plates	Setup information
▶ 1606-01 - Milk_Mini_Ceris_1	(1) 12/31/21 11:40		60,000	42339D1HA (TE...										
▶ 1606-02 - Milk Mini Ceris-02	(1) 12/31/21 11:40		160,000	42339D1HA_01 (...										
▶ 1606-03 - Zitrovital Red	(1) 12/31/21 11:40		32,000	111250N2HA (E...										
▶ 1606-04 - Zitrovital Yellow	(1) 12/31/21 11:40		0	111250N2HA (E...										
▶ 1606-05 - Zitrovital Magenta	(1) 12/31/21 11:40		0	42339D1HA_01 (...										
▶ 1606-06 - 272765 User Days	(11) 12/31/21 11:40	Customer Commercia...	2,500	100277 (-										



Operations
sorted by
schedule

Presses

Plate stacks

CtP devices

Plate Pilot.

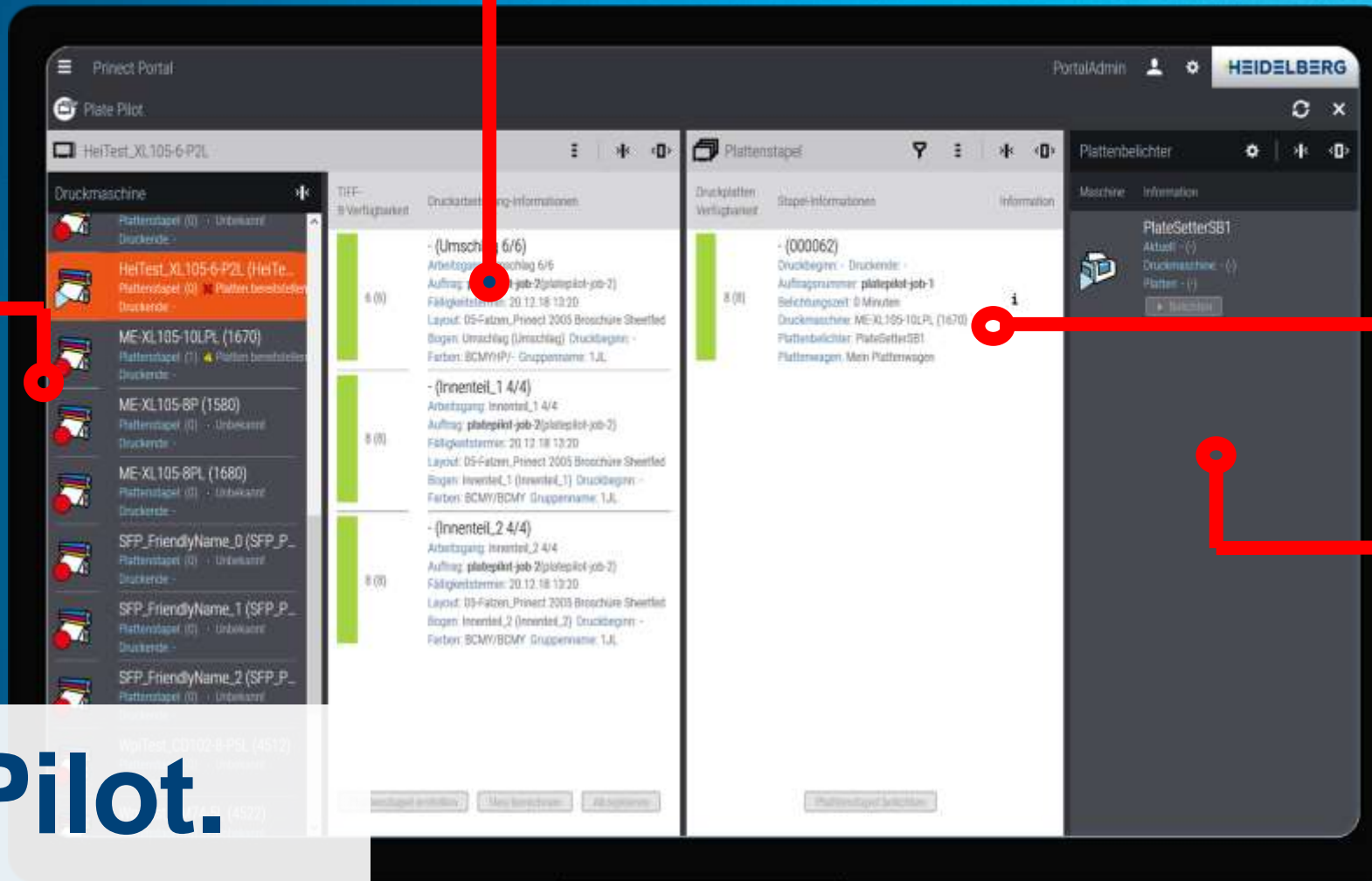


Plate Pilot. Generate plate stack.



Prinect Portal Manfred Seifert

Plate Pilot

XL106-8P5

TIFF-B-Verfügbarkeit Druckarbeitsgang-Informationen

8 (8)	07:00 (Bogen 1 4/4) Arbeitsgang: Bogen 1 4/4 Auftrag: 320789 (HEI Komma Living Nature 1-3) Fälligkeitstermin: 22.09.20 08:00 Layout: L0320789 Bogen: Bogen 1 (ST119948) Druckbeginn: 15.09.20 07:00 Farben: BCMY/BCMY Belichter-Verbund: PrinectShooter on WIEPC57220
8 (8)	07:16 (Bogen 2 4/4) Arbeitsgang: Bogen 2 4/4 Auftrag: 320789 (HEI Komma Living Nature 1-3) Fälligkeitstermin: 22.09.20 08:00 Layout: L0320789 Bogen: Bogen 2 (ST119948) Druckbeginn: 15.09.20 07:16 Farben: BCMY/BCMY Belichter-Verbund: PrinectShooter on WIEPC57220
8 (8)	07:32 (Bogen 3 4/4) Arbeitsgang: Bogen 3 4/4 Auftrag: 320789 (HEI Komma Living Nature 1-3) Fälligkeitstermin: 22.09.20 08:00 Layout: L0320789 Bogen: Bogen 3 (ST119948) Druckbeginn: 15.09.20 07:32 Farben: BCMY/BCMY Belichter-Verbund: PrinectShooter on WIEPC57220
8 (8)	07:48 (Bogen 1 4/4) Arbeitsgang: Bogen 1 4/4 Auftrag: 320867 (Veniam_Lifestyle 4.4) Fälligkeitstermin: 18.09.20 12:00 Layout: IP_106_4_4_65x92 Bogen: Bogen 1 (ST120027) Druckbeginn: 15.09.20 07:48 Farben: BCMY/BCMY Belichter-Verbund: PrinectShooter on WIEPC57220
0 (8)	08:21 (FB 001 4/4) Arbeitsgang: FB 001 4/4 Auftrag: 3007282 (Today) Fälligkeitstermin: 21.09.20 11:30 Layout: Lay Bogen: FB 001 (FB 001) Druckbeginn: 15.09.20 08:21 Farben: BCMY/BCMY Belichter-Verbund: PrinectShooter on WIEPC57220
0 (8)	08:40 (FB 001 4/4) Arbeitsgang: FB 001 4/4 Auftrag: 3007283 (Möbel) Fälligkeitstermin: 22.09.20 11:32 Layout: Lay Bogen: FB 001 (FB 001) Druckbeginn: 15.09.20 08:40 Farben: BCMY/BCMY Belichter-Verbund: PrinectShooter on WIEPC57220

Druckmaschine

Plattenstapel - PrinectShooter@WIEPC57220. Belichtet. Belicht...

Druckplatten Verfügbarkeit Stapel-Informationen Information

Es sind keine Plattenstapel vorhanden.

Plattenbelichter

Maschine Information

PrinectShooter@WIEPC57220
Aktuell: (-)
Druckmaschine: (-)
Platten: (-)

► Belichten ✕ Abbrechen

Plattenstapel erstellen

Druckplattenanzahl: 32
Druckbeginn: 15.09.20 07:00
Druckende: 15.09.20 08:21

OK Abbrechen

Plattenstapel erstellen Neu berechnen Akzeptieren

Plattenstapel belichten Arbeitsgänge herauslösen Abbrechen

Plate Pilot. Expose plate stack.



Prinect Portal Manfred Seifert

Plate Pilot

XL106-8P5

TIFF-B-Verfügbarkeit Druckarbeitsgang-Informationen

Druckmaschine

TIFF-B-Verfügbarkeit	Druckarbeitsgang-Informationen
0 (8)	08:21 (FB 001 4/4) Arbeitsgang: FB 001 4/4 Auftrag: 3007282 (Today) Fälligkeitstermin: 21.09.20 11:30 Layout: Lay Bogen: FB 001 (FB 001) Druckbeginn: 15.09.20 08:21 Farben: BCMY/BCMY Belichter-Verbund: PrinectShooter on WIEPC57220
0 (8)	08:40 (FB 001 4/4) Arbeitsgang: FB 001 4/4 Auftrag: 3007283 (Möbel) Fälligkeitstermin: 22.09.20 11:32 Layout: Lay Bogen: FB 001 (FB 001) Druckbeginn: 15.09.20 08:40 Farben: BCMY/BCMY Belichter-Verbund: PrinectShooter on WIEPC57220
0 (8)	08:59 (FB 001 4/4) Arbeitsgang: FB 001 4/4 Auftrag: 3007284 (Pools) Fälligkeitstermin: 23.09.20 12:03 Layout: Lay Bogen: FB 001 (FB 001) Druckbeginn: 15.09.20 08:59 Farben: BCMY/BCMY Belichter-Verbund: PrinectShooter on WIEPC57220
0 (8)	09:18 (FB 001 4/4) Arbeitsgang: FB 001 4/4 Auftrag: 3007285 (Cars) Fälligkeitstermin: 28.09.20 12:19 Layout: Lay Bogen: FB 001 (FB 001) Druckbeginn: 15.09.20 09:18 Farben: BCMY/BCMY Belichter-Verbund: PrinectShooter on WIEPC57220

Plattenstapel erstellen Neu berechnen Akzeptieren

Plattenstapel - PrinectShooter@WIEPC57220; Belichtet; Belicht...

Druckplatten Verfügbarkeit Stapel-Informationen Information

Druckplatten Verfügbarkeit	Stapel-Informationen	Information
0 (32)	07:00 (000082) Druckbeginn: 15.09.20 07:00 Druckende: 15.09.20 08:21 Auftragsnummer: 320789, 320867 Belichtungszeit: 96 Minuten Druckmaschine: XL106-8P5 (4192) Plattenbelichter: PrinectShooter@WIEPC57220 Plattenwagen: -	

Plattenbelichter

Maschine	Information
	PrinectShooter@WIEPC57220 Nächster: 000082 Druckmaschine: XL106-8P5 Platten: 32 (96 Minuten) ▶ Belichten ✕ Abbrechen

Plattenstapel belichten Arbeitsgänge herauslösen Abbrechen



Plate Pilot.

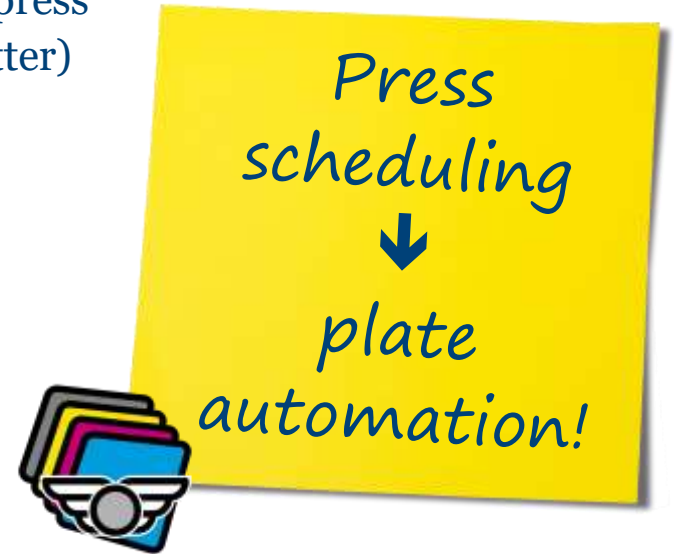
- Pauses prepress workflow after Tiff-Bs are rendered
- Automatic rule-based or manual creation of plate stacks according to printing start
- Batch-submission of plate sets to platesetter -> correct order of plates on trolley at the press
- Can be used for any platesetter (Suprasetter, Shooter, or 3rd party via external platesetter)
- Integrates with scheduler (or connected MIS)
- Signals status of plate setter with external lamp

Automatic Plate Stack Creation

- Rule-based creation of plate stacks (printing start time, TIFFB-Availability)
- Considers stack size, recording and transportation time
- Relies on scheduled print work steps for correctly sorted plate stacks

Automatic Plate Stack Recording

- Rule-based forwarding of plate stacks to free platesetter
- Most urgent plate stack is forwarded
- Somebody/something must take care of trolley change

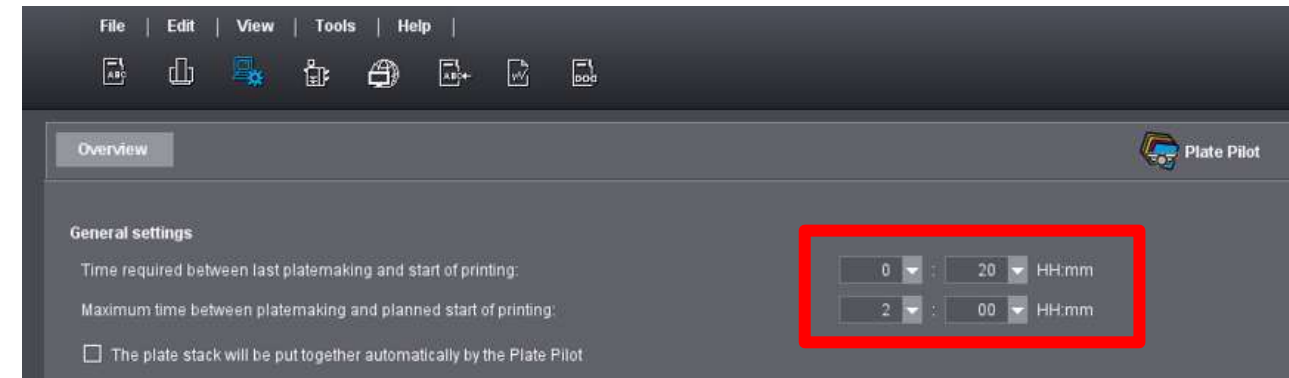


Organizes plate output according to press schedule.



Plate Pilot. Configuration of automatic mode.

- General time settings for automatic stack generation and automatic plate exposure:
 - Transfer time for plate stacks/plate trolleys to the press
 - Time slot for the composition (view into future)



- For automatic stack generation
 - Which press?
 - Speed of image setter (plates per hour)
 - Max. plate stack height

- Automatic plate exposure
 - Activate

Plattenbelichter und Druckmaschinen konfigurieren

Plattenbelichter	Vom Plate Pilot verwendet	Ausgabe Plattenstapel	Anzahl Platten pro Stunde	Max. Größe Plattenstapel	Plattenverarbeitung verfügbar
ExternalPlatesetter (1001)	-	-	-	-	-
PrinectShooter (PrinectShooter@WEAPP00759)	-	-	-	-	-
PrinectShooter (PrinectShooter@NIEPC50942)	-	-	-	-	-
PrinectShooter@WEAPP00770	✓	Manuell	55	80	✓
TiTBHandler1 (TiTBHandler1@WEAPP01122)	-	-	-	-	-
TiTBHandler2 (TiTBHandler2@WEAPP01122)	-	-	-	-	-
TiTBHandler3 (TiTBHandler3@WEAPP01122)	-	-	-	-	-
TiTBHandler4 (TiTBHandler4@WEAPP01122)	-	-	-	-	-

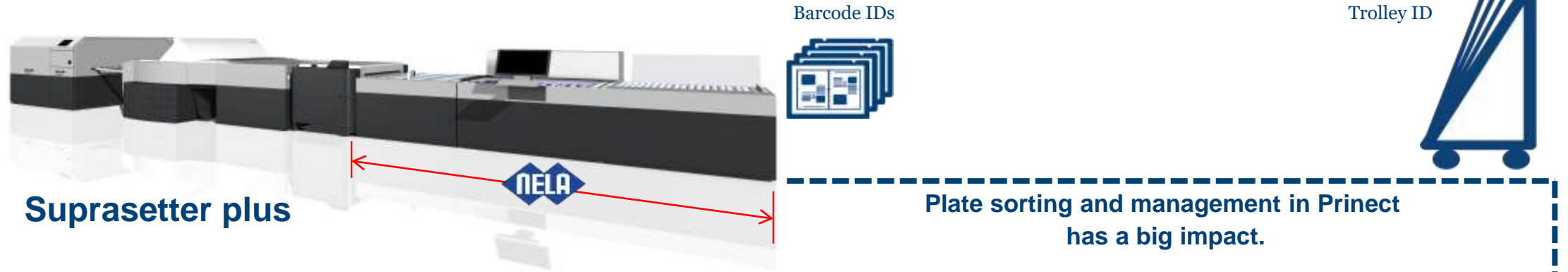
Druckmaschine	Vom Plate Pilot verwendet	Max. Größe Plattenstapel
C-CX75-5LX (4106)	-	-
C-CX75-6LX (4107)	-	-
C-XL106-6LX (4115)	✓	durch Belichtereinstellungen bestimmt
C-XL75-8P5L (4116)	-	-



Plate Pilot. Manual mode and job sequence.



Plate to Unit. Workflow scenario



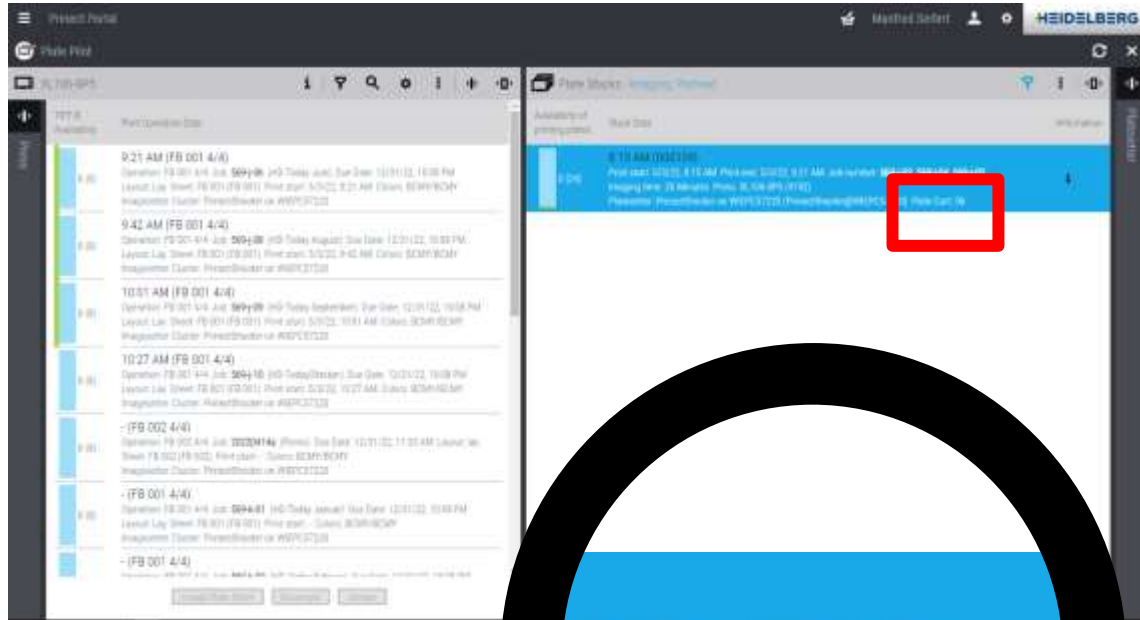
Speedmaster XL 106 with Plate to Unit





Trolley ID available.

Examples: 1. Prinect (Plate Pilot)



2. At the press (feeder panel)



Loading job at the press.

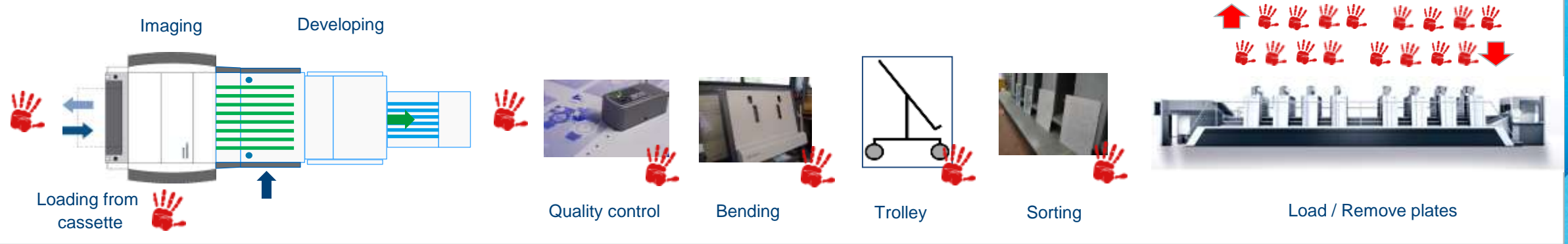


1. Manual from job list into the queue.
2. With Autofill directly into the queue, means planned sequence
 - Prinect Scheduler
 - Simple planning with Portal Widget „Device status“
3. With scanning single plate ID.
4. **With scanning plate trolley ID.**



Push to Stop – Reduction of touchpoints.

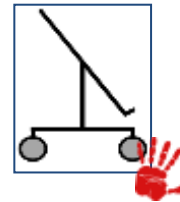
Plate logistics w/o automation



Loading plates from pallet



- Imaging
- Developing
- Positioning
- Quality control
- Bending
- Sorting
- Stacking



Trolley



Plate to unit

Push to Stop – Plate logistics incl. Plate to Unit



Thank you for your attention!