



# Training Documentation

## Prinect Production 2021.10 - What's New

*Revision 1.0*



# Prinect



## Table of Contents

### Before you start...

What you should already know .....	5
Additional Documentation .....	5
Important Information .....	5

## 1 Cockpit

1.1 Cockpit Administration .....	7
1.1.1 CDM Device Specific Pallet Sheet Setup .....	7
1.1.2 Printing Material - Front & Back Attributes .....	8
1.1.3 JDF Connector - Versioning Pagelist from MIS .....	10
1.1.4 Qualify - Defined Quantity with APA Rules .....	11
1.1.5 Qualify - Insert Empty Pages .....	12
1.1.6 Prepare - Ignore Color Conversion .....	13
1.1.7 Colors & Coatings - still under construction! .....	14
1.1.8 Prinect Cloud - Heidelberg Cloud .....	16
1.2 Cockpit Job .....	18
1.2.1 Different Paper Type for Front & Back .....	18
1.2.2 Press Center Operation with different Paper Types .....	20
1.2.3 Milestone Comments .....	22
1.2.4 History Detail View .....	24
1.2.5 Default Names for Versioning Level .....	25
1.2.6 Global Job Colors .....	27
1.2.7 Plate Number has changed to Plate ID .....	28
1.3 Calibration Manager .....	29
1.3.1 Generic Multi Process Curve Set .....	29

## 2 PPF Combiner - PPF Handler

2.1 PPF Combiner & PPF Import in Prinect Portal .....	33
2.1.1 Portal Licenses / User .....	34
2.1.2 Dashboard & Widget .....	37
2.2 Processes Configuration (PPF Import) .....	39
2.2.1 Create Job from PPF .....	43
2.2.2 Create new Sheet .....	45
2.2.3 Consider paper size for color profile calculation .....	49
2.2.4 Remove paper from prepress .....	49
2.2.5 Replace existing Sheets .....	50
2.2.6 Default Color for unknown Colors .....	51
2.2.7 Code Page Synchronization .....	55
2.2.8 Rotation .....	57

# Table of Contents

2.2.9 Color Marks Assignment	58
2.2.10 Attribution Rules - File Name Tokening	60
2.3 List of PPF	63
2.3.1 PPF Tool Bar	63
2.3.2 PPF Quick Search	65
2.3.3 PPF Filter	66
2.3.4 PPF Modification - Rename Job Number / Sheet Name	67
2.3.5 PPF Modification - Unknown Color	70
2.3.6 PPF Modification - Duplicate Sheet	74
2.3.7 PPF Modification - Change Marks Assignment & Print Order	76
2.3.8 PPF Modification - Change Front & Back	77
2.3.9 PPF Modification - Delete Separations	78
2.4 List of Operations	78
2.4.1 Operation Tool Bar	79
2.4.2 Operation Filter	80
2.4.3 Operation Quick Search	81
2.4.3 Operation Modification - Ignore Separations	82
2.4.4 Operation Modification - Change Marks Assignment	84

## 3 Data Terminal

3.1 Partial Amount Dialog	85
3.2 Incorrect Entries not Possible	87

## 4 Portal

4.1 Files & Approval Job - CSR Job Status Filter	89
4.2 Plate Pilot	94
4.2.1 Plate Number has changed to Plate ID	94
4.2.2 Plate Sets for next Plate Stack	95
4.2.3 Quick Search	96
4.2.4 Reorder via Context Menu	97

## What you should already know

We assume that you are familiar with the Windows® and Mac OS X® operating systems that are supported by this application.

**A basic Production Manager Training is required to understand this documentation!**

## Additional Documentation

You can find additional information in:

- **Educate Center:** [http://educate-center.heidelberg.com/ilias/login.php?target=crs\\_1517&soap\\_pw=&ext\\_uid=&cookies=nocookies&client\\_id=HEI-e-Learning&lang=en](http://educate-center.heidelberg.com/ilias/login.php?target=crs_1517&soap_pw=&ext_uid=&cookies=nocookies&client_id=HEI-e-Learning&lang=en)
- **Easy Sales Portal:** <https://hdmnet.sharepoint.com/sites/EasySales/Pages/Search.aspx#k=ProductArea%3APrinct#l=1033>
- **Online Help:** [http://onlinehelp.princt-lounge.com/Princt\\_Integration\\_Manager/Version2020/en/#t=Princt%2FTitle\\_RoboHelp%2FTitle\\_RoboHelp.htm](http://onlinehelp.princt-lounge.com/Princt_Integration_Manager/Version2020/en/#t=Princt%2FTitle_RoboHelp%2FTitle_RoboHelp.htm)
- **The PMC/License Server installer:** [https://www.heidelberg.com/global/en/software/workflow/princt\\_updates/princt\\_downloads.jsp](https://www.heidelberg.com/global/en/software/workflow/princt_updates/princt_downloads.jsp)
- **Princt Operating Systems & Princt System Requirements, Color Proof Pro Device list:** [https://www.heidelberg.com/global/en/software/workflow/princt\\_updates/princt\\_system\\_requirements.jsp](https://www.heidelberg.com/global/en/software/workflow/princt_updates/princt_system_requirements.jsp)

## Important Information

Important information in the text is marked by symbols that are used as follows:



**Warning:** Contains information that must be taken into consideration to protect the user from injury.



**Attention:** Contains information that must be taken into consideration to prevent damage to hardware or software.



**Note:** Contains important general or supplementary information about a specific topic.

Before you start...

# 1 Cockpit

## 1.1 Cockpit Administration

### 1.1.1 CDM Device Specific Pallet Sheet Setup

#### Motivation

It is possible enable globally for all presses to print a pallet sheet automatically by pallet change.

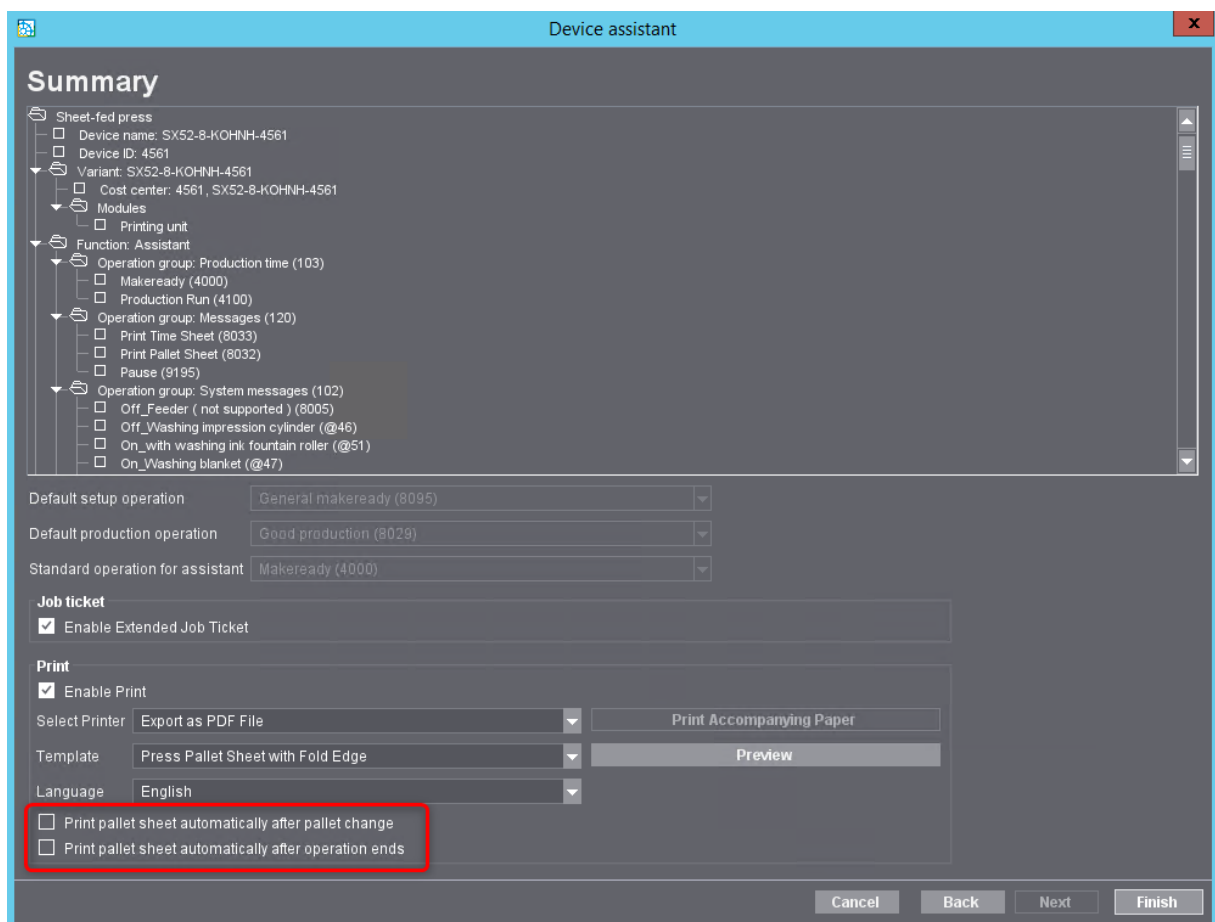
Customer wants to

- define this individually for presses
- print a pallet sheet automatically by job change

#### Description

This is now to configure individually in the Central Device Manager configuration:

1. Print pallet sheet automatically after pallet change - not longer available in the CDM properties.
2. Print pallet sheet automatically after operation ends - finished or interrupted.



# 1 Cockpit

## 1.1.2 Printing Material - Front & Back Attributes

### Motivation

Especially for packaging customers we have implemented to define 2 different paper types for Front & Back surfaces.

### Description

In "Cockpit > Administration > Printing Materials and Substrates" we can now define 2 different Paper Types for Front and Back.

Edit Printing Material	
Brand:	CardBoard-300g-LG
Article Number:	7001
Description:	CardBoard-300g-LG
Group:	CardBoard
Width / Height [mm]:	1000 700
Cost per 1000 sheets:	
Grain Direction:	Long grain
Feed Direction:	
Substrate:	
<b>Front Surface</b>	
Paper Type (ISO):	1 glossy coated
Type of Printing Material for Calibration:	HD ISO Paper type 1 (gloss-coated)
L*a*b*:	0 0 0
<b>Back Surface</b>	
Paper Type (ISO):	4 uncoated
Type of Printing Material for Calibration:	HD ISO Paper type 4 (uncoated, white)
L*a*b*:	0 0 0
Thickness [mm]:	0.32
Grammage [g/m²]:	300
Type of material:	
Ink Consumption Factor [%]:	0
Quality:	
OK Cancel	

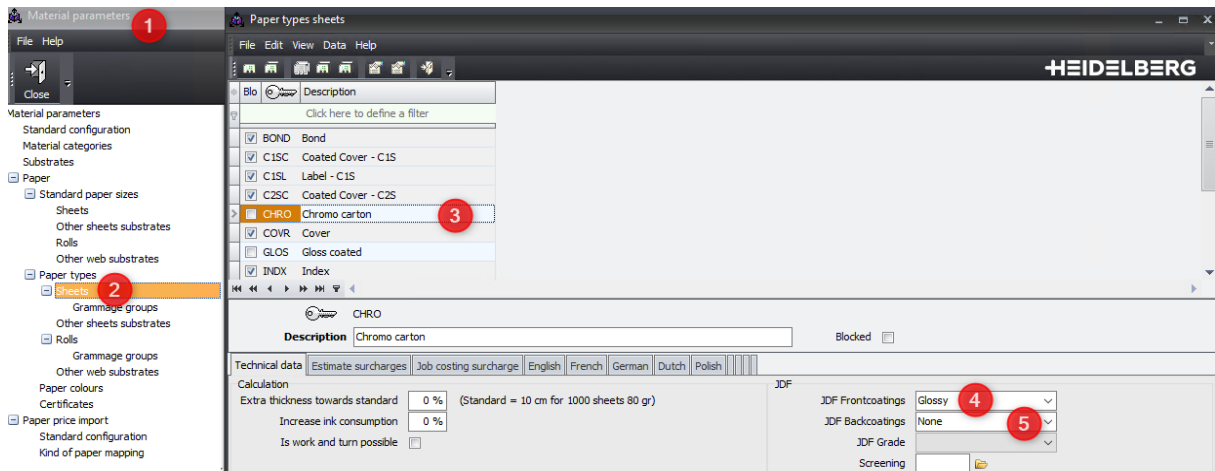


**Note:** The customer has to decide which surface will be printed at first (paper type 4 or 1). When he will print always paper type 4 first he has to define it for "Front Surface".

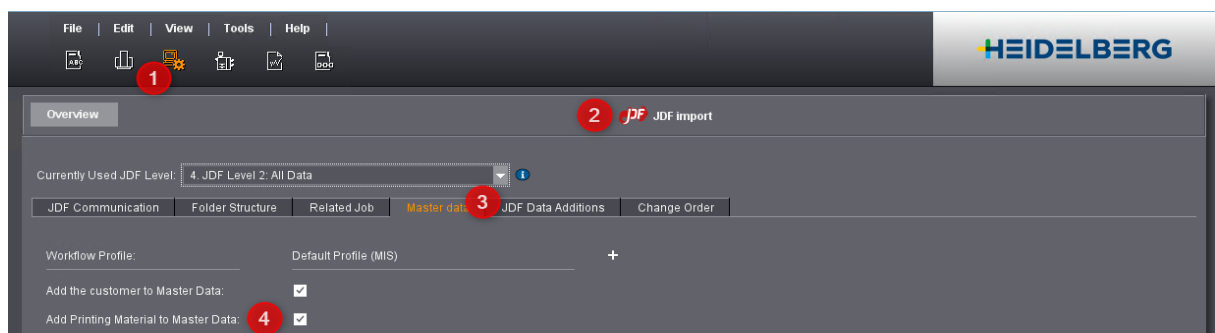
### MIS Paper Import

In the Prinect Business Manager we can define Printing Materials with 2 different paper grades too.

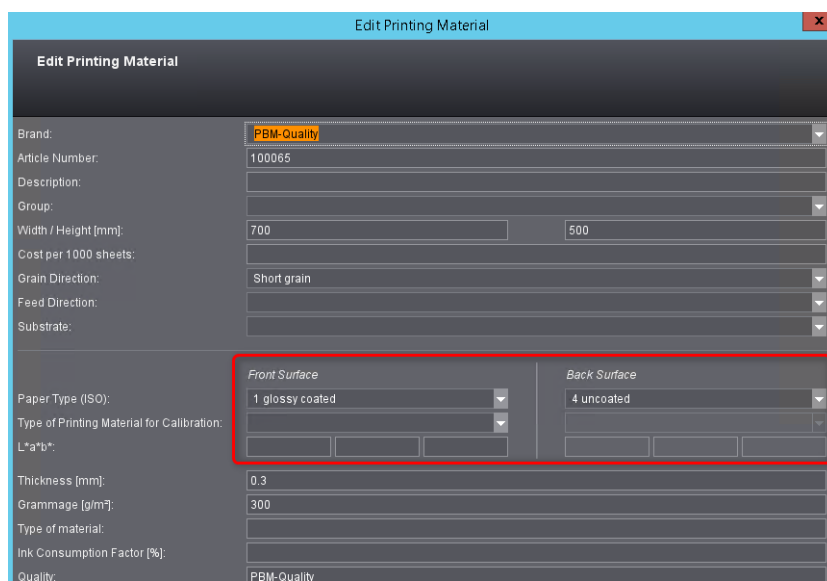
"Prinect Business Manager Explorer > Parameters > Material parameters > Paper types sheets"



When we enable in "Cockpit Administration > JDF Connector > Master Data > Add Printing material to Master Data"...



... the Printing Material is to find in "Printing Materials and Substrates" after MIS-JDF import.



# 1 Cockpit

## 1.1.3 JDF Connector - Versioning Pagelist from MIS

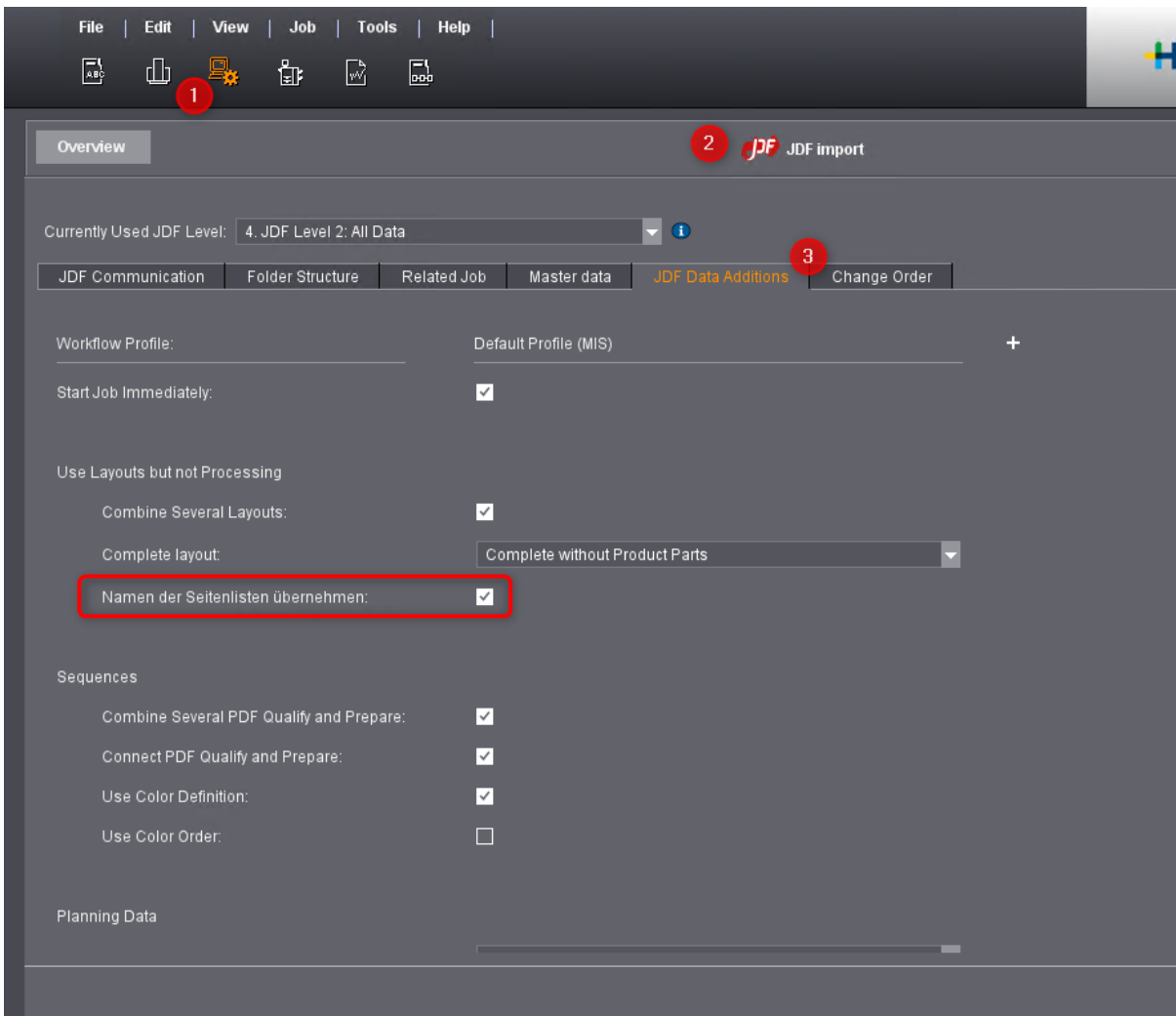
### Motivation

Some MIS systems (e.g. Multipress) can reference PDF content to versioning page lists. Customers want to get automatically the PDF's assigned to the right versioning page list in the Prinect job.

### Description

For this feature we have implemented a new setting in the JDF Connector.

"Namen der Seitenlisten übernehmen" = "Take over names of page list"



## 1.1.4 Qualify - Defined Quantity with APA Rules

### Motivation

Packaging customers wants to add PDF content with APA rules and define the quantity of the article.

### Description

The quantity can be defined in the end of the PDF files name.

The screenshot displays the Heidelberg software interface for configuring assignments. The main window is titled 'Untitled (Qualify)' and shows a list of modules under 'Overview' and 'Templates'. The 'Assignments' section is active, showing a rule configuration for 'Article Name and Number followed by Shape ID and Name'. The pattern is 'Order4#Article#12345.01#123#Shape.ps'. The configuration includes fields for Article Name, Article Number, Shape ID, Shape Name, and Delivery quantity, all using '#' as a delimiter. The 'Delivery quantity' field is highlighted with a red box. The 'Extend the page list if there are not enough positions' checkbox is checked. The 'Replace existing assignments even when approved by customer' checkbox is also checked. The 'Output is' dropdown is set to 'intermediate result'. The interface includes a menu bar (File, Edit, View, Tools, Help) and a toolbar with various icons. The Heidelberg logo is visible in the top right corner.

# 1 Cockpit

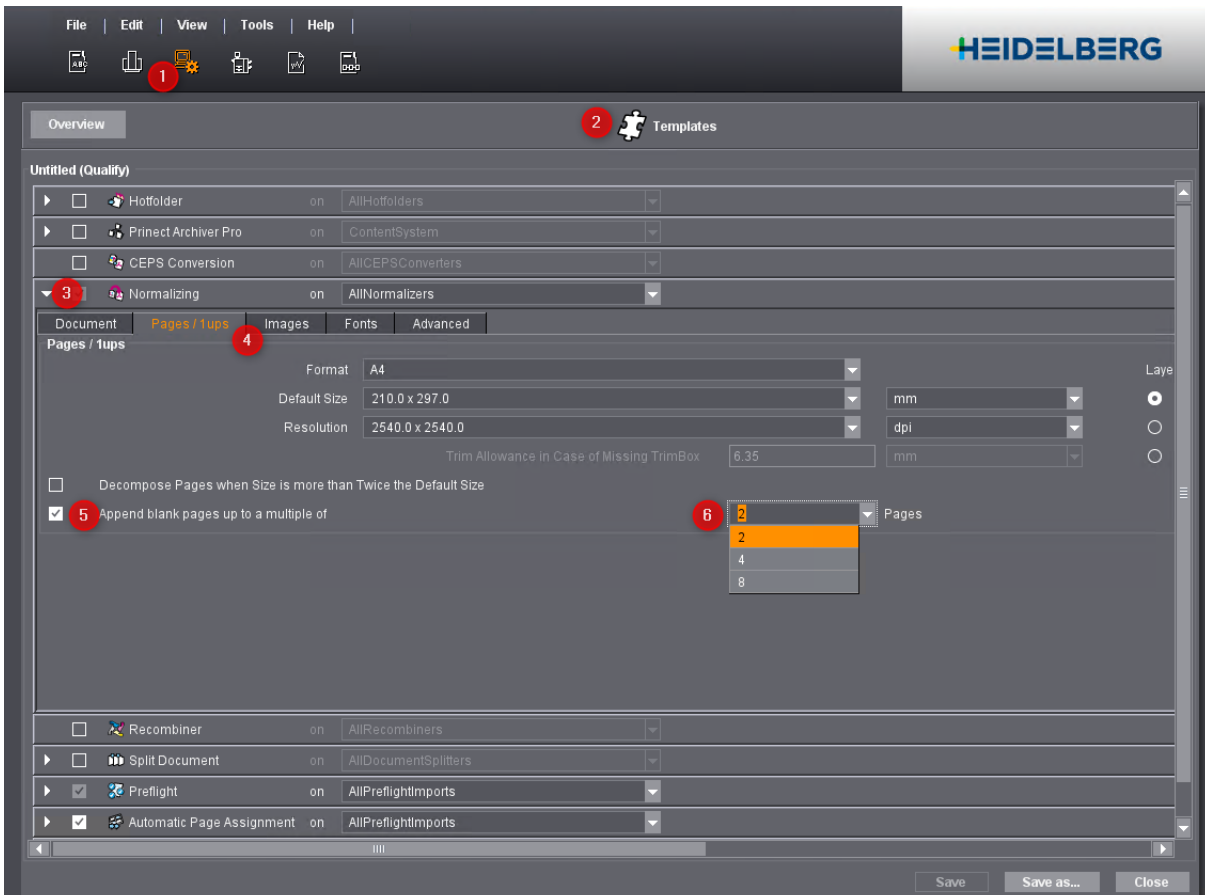
## 1.1.5 Qualify - Insert Empty Pages

### Motivation

Especially in automated digital printing workflows it is sometimes necessary to insert empty pages.

### Description

We can now in Qualify define to create automatically empty pages to get even page amounts.



## 1.1.6 Prepare - Ignore Color Conversion

### Motivation

Overprinting spot colors are not to simulate correctly with Prepare Color Management.

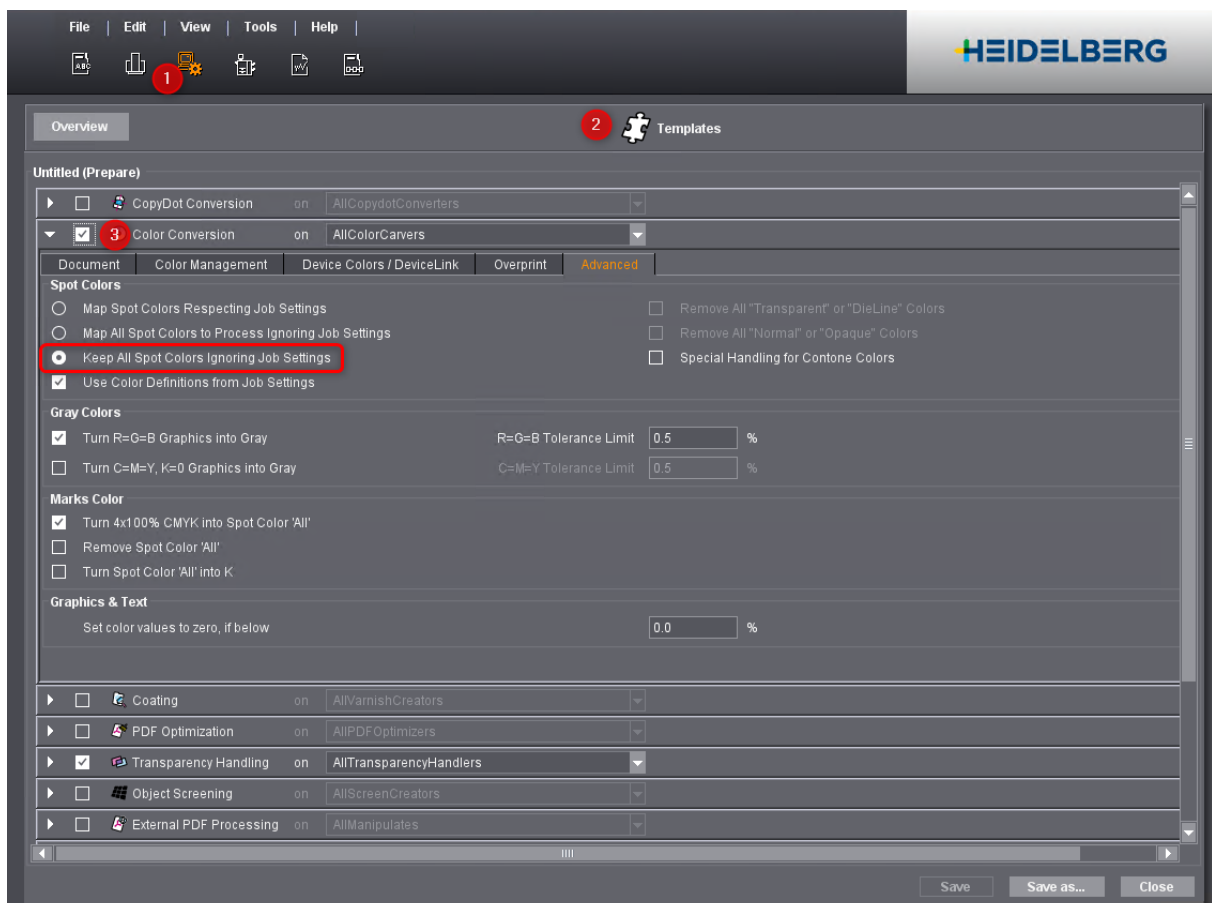
With In-Rip Color Management overprinted spot colors are much closer simulated to conventional printing processes, because we are using spectral Color Management.

Especially packaging customer with "Lablefire" or "Multi Color Workflow" should use In-Rip Color Management.

### Description

We can now define in the Prepare Sequence Color Conversion that Spot Colors are not converted while preparing.

The In-Rip Color Management respects the global Job Color settings!



# 1 Cockpit

## 1.1.7 Colors & Coatings - still under construction!

### Motivation

At the moment we have 2 different color definitions in Prinect:

- **Color Tables** - for prepress color management and trapping: CMYK, Lab, overprint, transparent, coating...
- **Central Color Data Base** - reference values for press measurement systems: Paper type, paper white, Lab, spectrum...

These both Prinect color sources must be unified and the reference has to be transferred to the press.

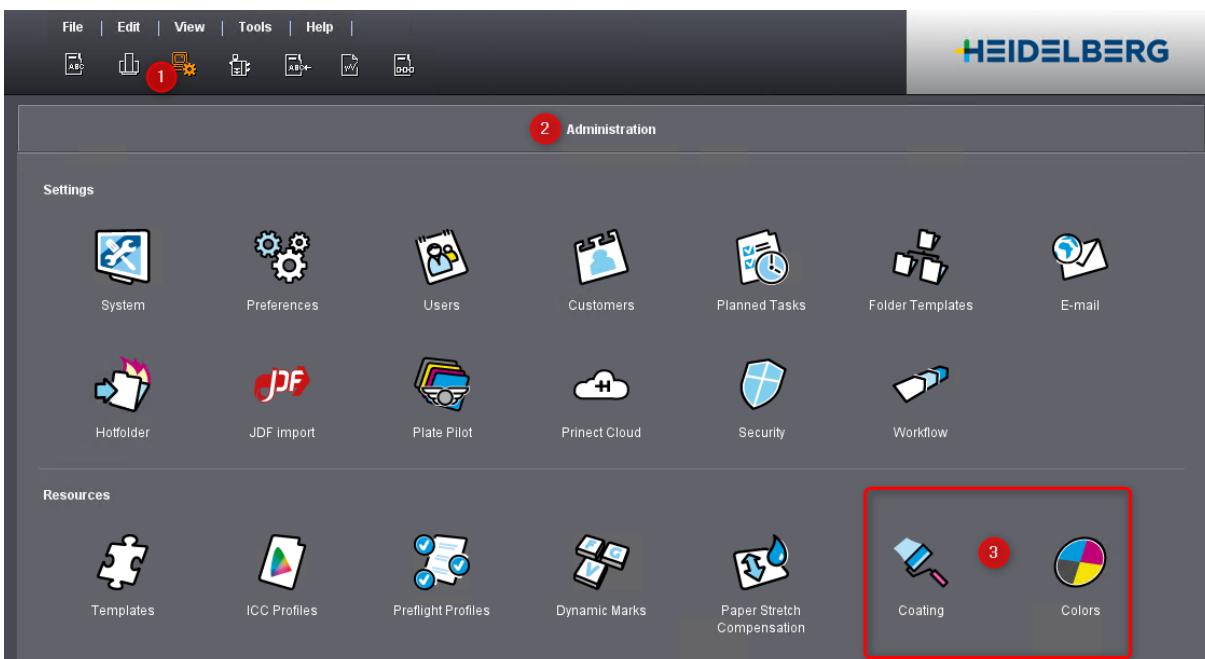
### Description

We will introduce with a future version Prinect 2021.10.xx the Unique Color ID.

The old icon "Color and Varnishes" will be divided into 2 icons:

1. Coatings - still managed in the Cockpit
2. Colors - accessible in the Prinect Portal via web browser.

**Only available with a feature flag!**



The "Coating" is still to configure in the Cockpit.

The screenshot shows the 'Coating' configuration page. At the top, there is a search bar with the text 'Find...'. Below it is a table with the following columns: Group, Name, Description, Manufacturer, Type, Drying Behavi..., Coating Quan..., Minimum Glo..., Maximum Glo..., and Comment. The table contains two rows of data:

Group	Name	Description	Manufacturer	Type	Drying Behavi...	Coating Quan...	Minimum Glo...	Maximum Glo...	Comment
Dispersion	HuberDis		Huber	Dispersion var...	standard	4.0	30.0	56.0	
UV	Huber UV_LED		Huber	UV varnish	UV (LED)	2.0	40.0	70.0	

"Colors" are not longer to manage in the Cockpit.

Overview  Colors

## Geänderter Zugriff auf die Farbverwaltung

Mit der aktuellen Prinect-Version steht Ihnen die Farbverwaltung als Portal-Widget zur Verfügung.

Bitte starten Sie das Prinect Portal (Werkzeuge / Prinect Portal...), und erzeugen Sie ein entsprechendes Widget.

Bitte beachten Sie die erforderlichen Erweiterungen der Rechte für die Nutzung des Prinect Portals.

Im Anschluss haben Sie Zugriff auf die neue Farbverwaltung (Browserkompatibilität: Chrome und Safari).



**Note:** The description about Prinect Portal widgets is to find in chapter "2 PPF Combiner - PPF Handler".

The new widget "Central Color Database" allows to manage all colors for Prepress and Press.

Central Color Database

Folde

Folder Name	Colors	Customers
Heidelberg Canada		
MCC	5	
PMI_Olande	1	Audi AG
PANTONE Color Bridge Coated-V4_New	2139	
Fogra51-52_New	4	
iccfolder	0	Alma Street Media
HKS-K_2021_New	96	
aeci23	0	Alma Street Media
CMYKFolder	2	
DFolder	1	Audi AG
HexaChromeFolder	0	
jm-test1	4	
jm-test2	0	
test1	1	

HKS-K\_2021\_New

Color Name	Lab Values	Process Colors
<span style="color: yellow;">●</span> HKS 01 K	87.10 2.60 57.00	0.00% 10.00% 60.00%
<span style="color: yellow;">●</span> HKS 02 K	85.50 -2.00 95.00	5.00% 0.00% 100.00%
<span style="color: yellow;">●</span> HKS 03 K	87.70 0.10 109.60	0.00% 0.00% 100.00%
<span style="color: yellow;">●</span> HKS 04 K	81.80 13.20 98.20	0.00% 20.00% 100.00%
<span style="color: yellow;">●</span> HKS 05 K	80.20 21.00 102.40	0.00% 30.00% 100.00%
<span style="color: orange;">●</span> HKS 06 K	71.80 43.60 94.30	0.00% 45.00% 100.00%
<span style="color: orange;">●</span> HKS 07 K	65.20 57.40 93.50	0.00% 60.00% 100.00%
<span style="color: orange;">●</span> HKS 08 K	62.00 61.40 72.40	0.00% 65.00% 100.00%
<span style="color: yellow;">●</span> HKS 1 K	87.10 2.60 57.00	0.00% 10.00% 60.00%
<span style="color: red;">●</span> HKS 10 K	57.70 66.90 66.20	0.00% 85.00% 100.00%

HKS 04 K

Properties

Created by: -  
Created on: Jun 7, 2021, 5:51:46 AM  
Modified by: -  
Date Modified: Jun 7, 2021, 5:51:46 AM  
Alias: -

Color values

Process Colors 0.00% 20.00%  
(CMYK): 100.00% 0.00%  
Lab Values: ..... 81.80 13.20 98.20  
Neutral Density: ..... -  
Type: ..... Normal  
Overprint: ..... -

Parameters

Usage: ..... Printing unit  
Screening Angle: ..... <none>  
Calibration Substitute Color: ..... <none>

# 1 Cockpit

## 1.1.8 Prinect Cloud - Heidelberg Cloud

### Motivation

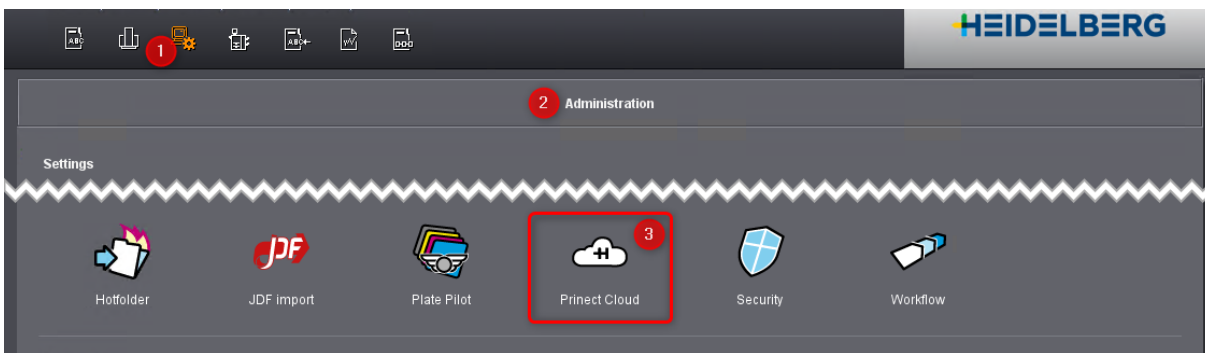
Since Prinect version 2021 we have some systems connected to the Heidelberg Cloud.

The connection should realize different features:

- Transfer of status and system settings
- Transfer of files for service
- Offer of new Heidelberg Cloud Services

### Description

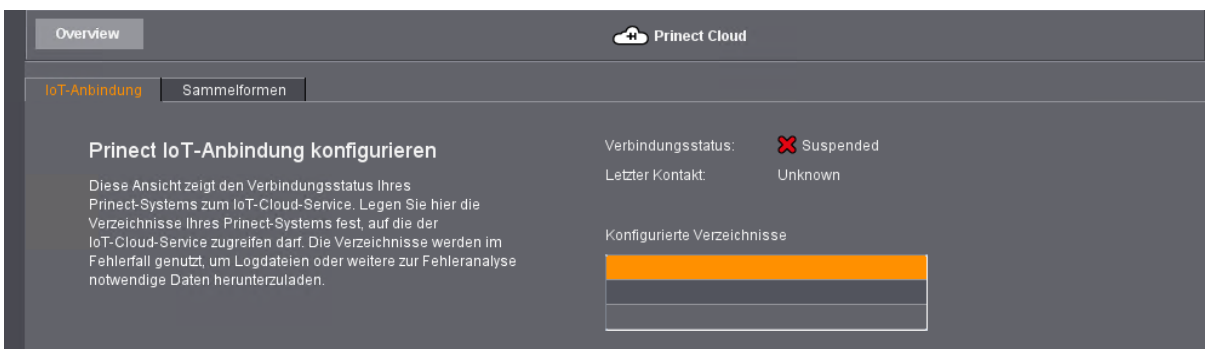
In Prinect 2021.10 we have a new icon "Prinect Cloud" in Cockpit > Administration.



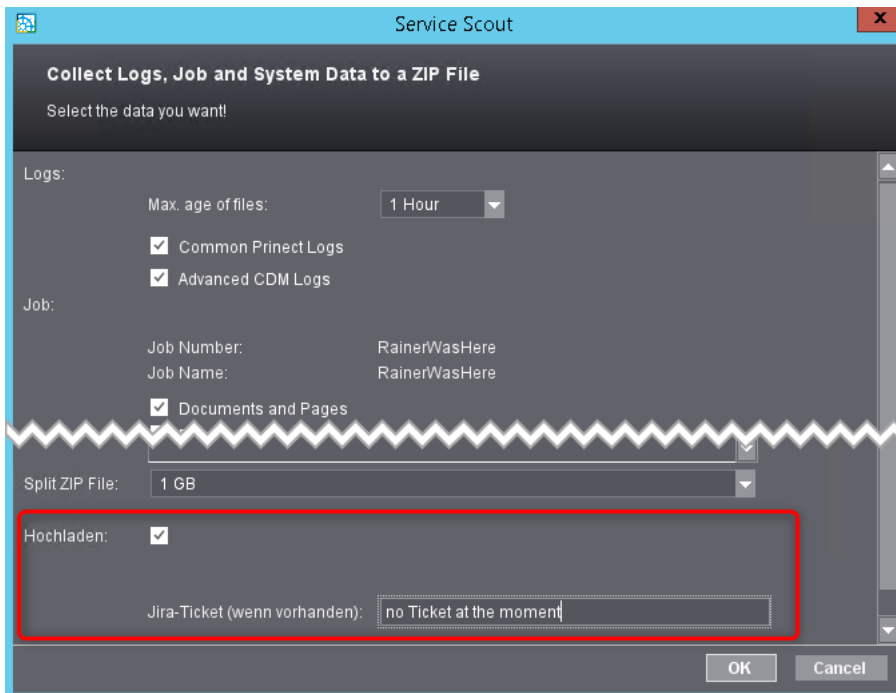
### IOT Connection - IOT data into the Heidelberg Cloud via ICS Portal

The dialog is still under construction (15.07.2021) and will display following features:

- Heidelberg Cloud connection status
- Last connection
- List of accessible Prinect directories for remote service:
  - HD\_Service will be shared by default
  - Add directory button
  - Delete directory button



Additionally we support a direct upload of "Service Scouts" into the Heidelberg Cloud.

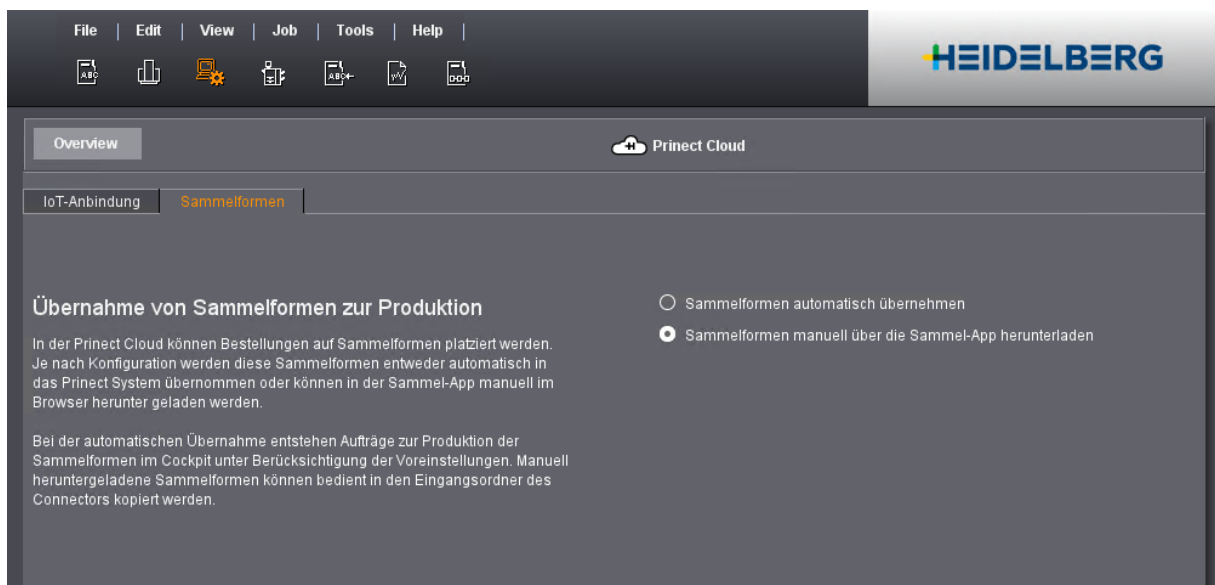


### Gang Forms - Gang jobs from the Heidelberg Cloud - still under construction!

- Automatic upload
- Manual upload via Heidelberg "Gang App"

This setup how we upload gang jobs from the Heidelberg Cloud into the Princt Cockpit.

### Only available with a feature flag!

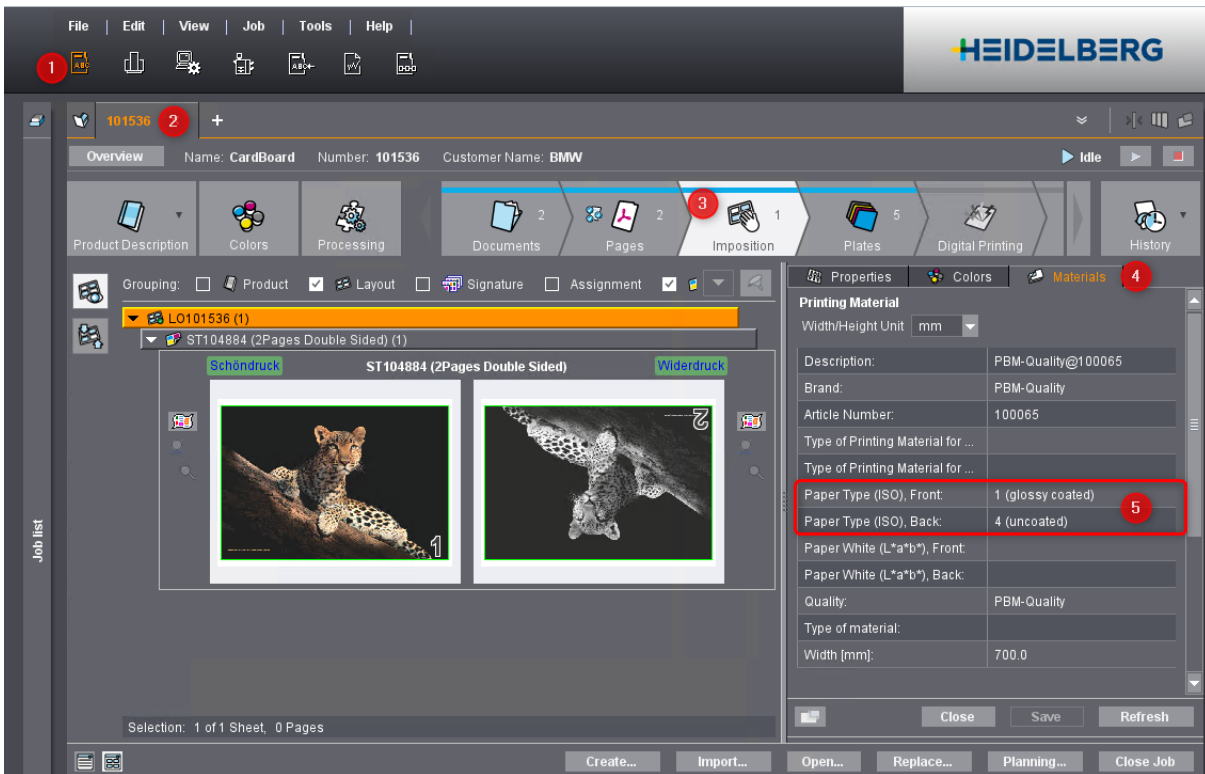


# 1 Cockpit

## 1.2 Cockpit Job

### 1.2.1 Different Paper Type for Front & Back

In a job a Printing Material with 2 different paper types can be defined by Signa Station or by MIS and are displayed in the layout properties.



**Note:** When we use such a Printing Material we have to use different calibrations - next page.

## Calibration Manager

Calibration for Front surface. "Use Generic Multi Process..." (5) will be explained in chapter 1.3.1.

Calibration Manager (Expert Mode) - Server: HEIPC86016

Linearization | **Process Calibration** | Administration | i | ?

HEIDELBERG

Create New Calibration Data Record (Process Calibration) for Calibration Group: Default Pr.Cal. Tiff-B Device (HEIPC86016)  
Source Record: Linear Process Calibration (Example)

**Calibration Data Record:**  
Name: CartBoard-200lpi-Front (1)

**Color:**  
 Process Color(s)  
 Color Set: CMYK (5)  
 Use the Data Record also for Spotcolors (2)  
 Calibrate as: Magenta (3)  
 Spot Color  
 Name:   
  
 Any Spotcolor

**Screening:**  
 Screen System: IS Classic  
 Dot Shape: Smooth Elliptical  
 Resolution: 2540 dpi  
 Frequency: 200 (3) lpi  
 Polarity: any

**Medium:**  
Name: XL106

**Process Curve Set:**  
 Name: HD ISO 60 Paper types 1+2 positive (4)  
 Use Generic Multi Process Curve Set (5)  
 Adapt Measurement Values, so that Calibration Curves remain unchanged

**Printing Parameters:**  
 Type of Printing Material: HD ISO Paper types 1+2 (coated) (6)  
 Press: HD Default  
 Ink Series: HD Default

**Calibration Data Record Properties:**  
 Number of Measurement Curves per Color: 1  
 Front/Back: Front (7)

**Iterative Calibration:**  
 A Process Calibration was used to Print the Test Chart  
 Data Record: Linear Process Calibration (Example)  
 Default Color:

(8) OK Cancel

Calibration for Back surface.

Calibration Manager (Expert Mode) - Server: HEIPC86016

Linearization | **Process Calibration** | Administration | i | ?

HEIDELBERG

Create New Calibration Data Record (Process Calibration) for Calibration Group: Default Pr.Cal. Tiff-B Device (HEIPC86016)  
Source Record: Linear Process Calibration (Example)

**Calibration Data Record:**  
Name: CartBoard-200lpi-Back (1)

**Color:**  
 Process Color(s)  
 Color Set: CMYK (5)  
 Use the Data Record also for Spotcolors (2)  
 Calibrate as: Magenta (3)  
 Spot Color  
 Name:   
  
 Any Spotcolor

**Screening:**  
 Screen System: IS Classic  
 Dot Shape: Smooth Elliptical  
 Resolution: 2540 dpi  
 Frequency: 200 (3) lpi  
 Polarity: any

**Medium:**  
Name: XL106

**Process Curve Set:**  
 Name: HD ISO 60 Paper types 4+5 positive (4)  
 Use Generic Multi Process Curve Set (5)  
 Adapt Measurement Values, so that Calibration Curves remain unchanged

**Printing Parameters:**  
 Type of Printing Material: HD ISO Paper type 4 (uncoated, white) (6)  
 Press: HD Default  
 Ink Series: HD Default

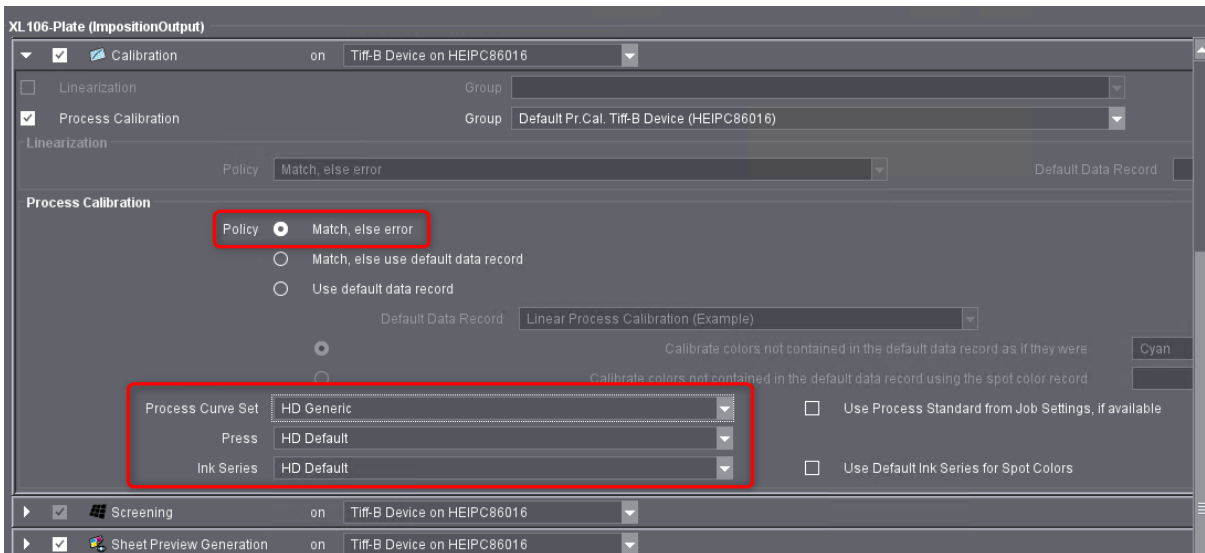
**Calibration Data Record Properties:**  
 Number of Measurement Curves per Color: 1  
 Front/Back: Back (7)

**Iterative Calibration:**  
 A Process Calibration was used to Print the Test Chart  
 Data Record: Linear Process Calibration (Example)  
 Default Color:

# 1 Cockpit

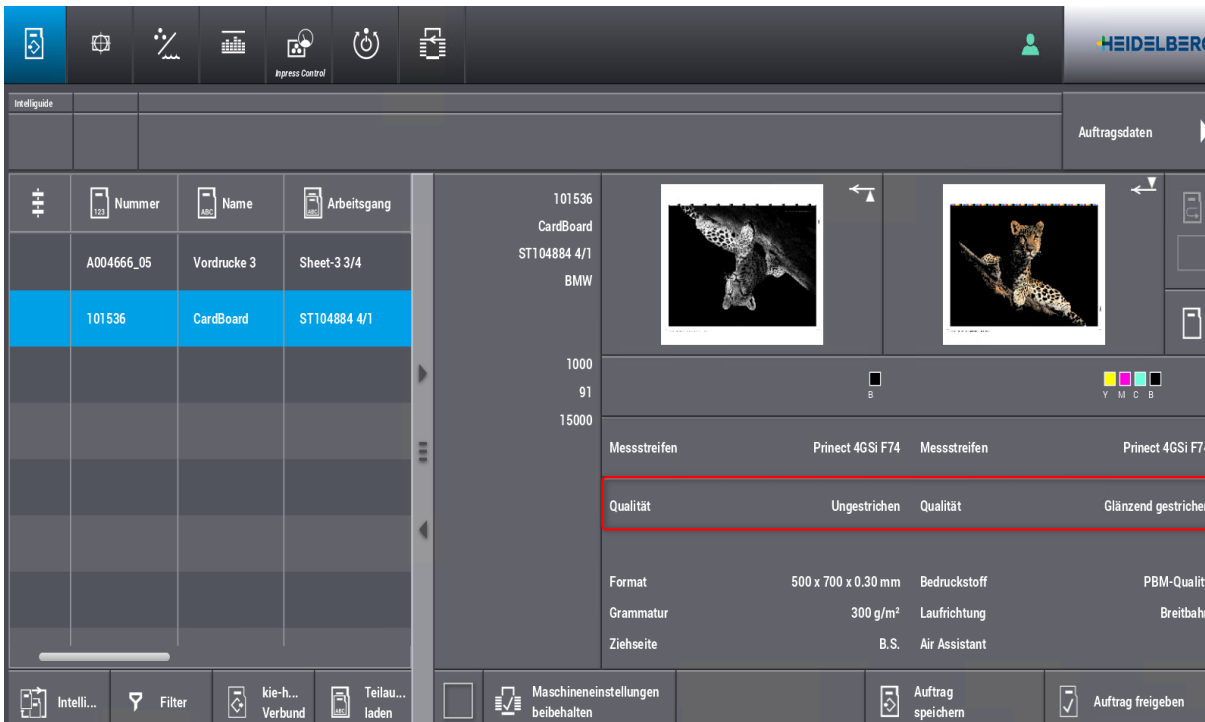
## Imposition Output Sequence

- The ImpositionOutput sequence has to work in automatic mode to get Front & Back calibrations.
- The Process Curve Set has to be configured for HD Generic (chapter 1.3.1) or a Multi Process Curve Set.



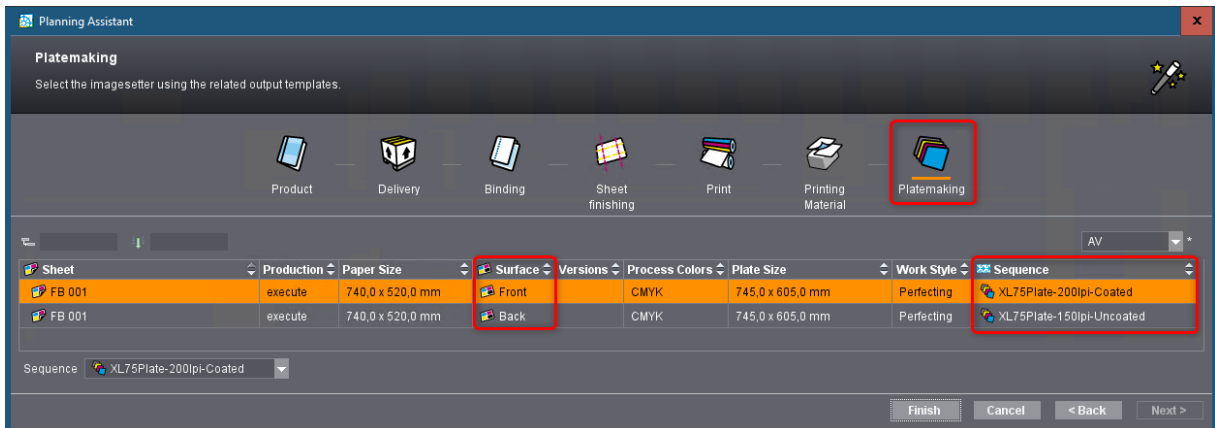
## 1.2.2 Press Center Operation with different Paper Types

Different paper types for one printing material are transferred to the Press Center since version 19B!

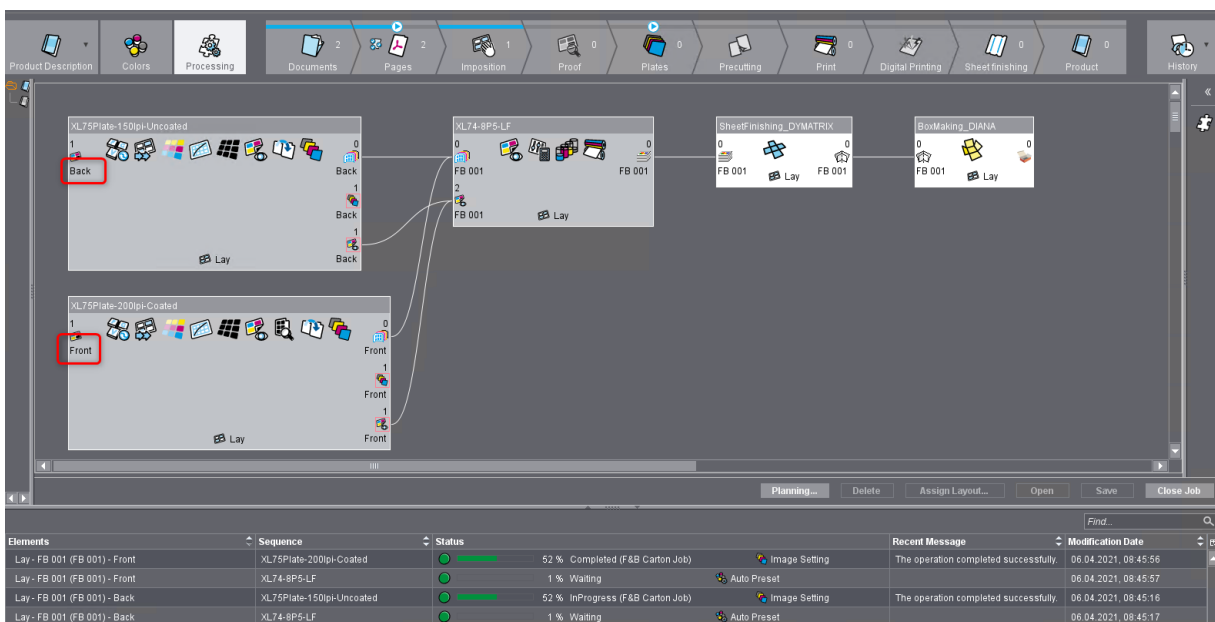




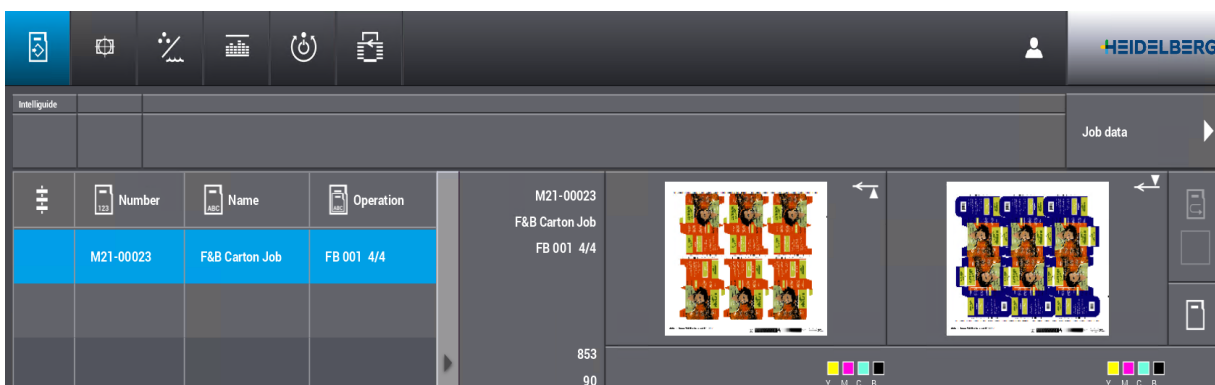
**Note:** When we need 2 different screening systems for Front & Back we have to configure this in the Planning assistant separately.



The process net would display 2 different ImpositionOutput sequences, but at...



... the Press Center we will get one operation.



# 1 Cockpit

## 1.2.3 Milestone Comments

### Motivation

It would be helpful to have milestone comments to inform employees about special behaviors.

### Description

We can now define in the Business Manager comments at milestones.

The screenshot shows a table titled 'Prinect milestones' with columns: Icon, Description, Status, Due date, and Comment. The 'Imposition' row is highlighted in orange and has a green progress bar at 50%. A red circle '1' is placed in the 'Comment' column of this row. A 'Comment' dialog box is open over the 'Imposition' row, containing a text area with 'Default Layout in use|' and a red circle '2' next to it. At the bottom of the dialog box, there is a red circle '3' next to the 'OK' button.

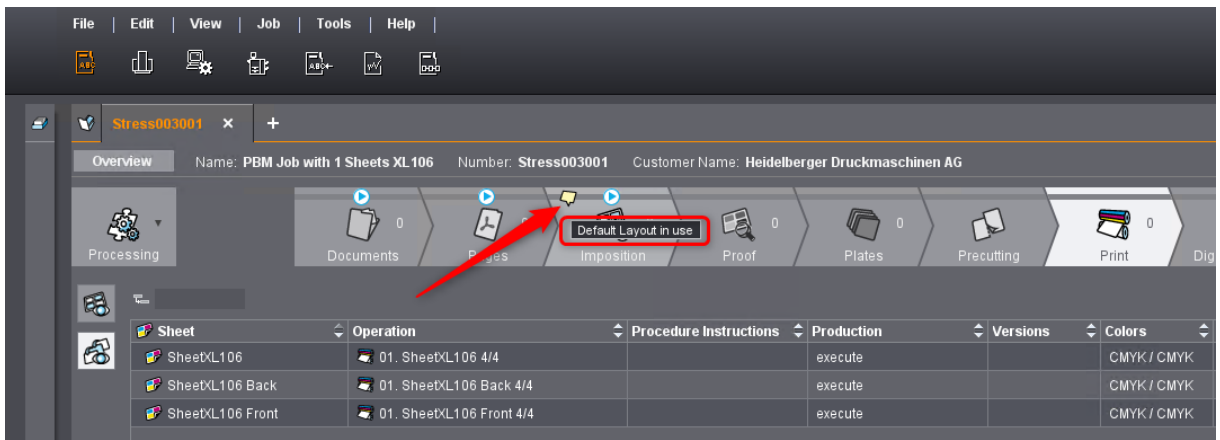
Icon	Description	Status	Due date	Comment
	Documents	0 %	No due date	
	Pages	0 %	No due date	
	Imposition	50 %	No due date	1
	Proof	0 %	No due date	
	Plates			
	Scheduling			
	Precutting			
	Printing			
	Sheet finishing			

These milestone comments are...

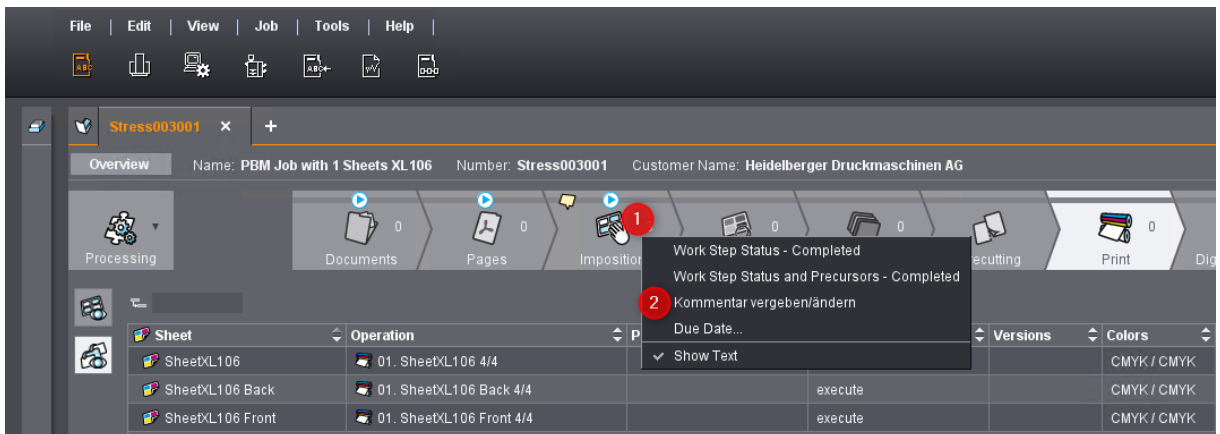
The screenshot shows the same 'Prinect milestones' table as above. The 'Imposition' row is highlighted in orange, and the 'Comment' column now contains the text 'Default Layout in use'.

Icon	Description	Status	Due date	Comment
	Documents	0 %	No due date	
	Pages	0 %	No due date	
	Imposition	50 %	No due date	Default Layout in use
	Proof	0 %	No due date	
	Plates	0 %	No due date	
	Scheduling	0 %	No due date	
	Precutting	0 %	No due date	
	Printing	0 %	No due date	
	Sheet finishing	0 %	No due date	

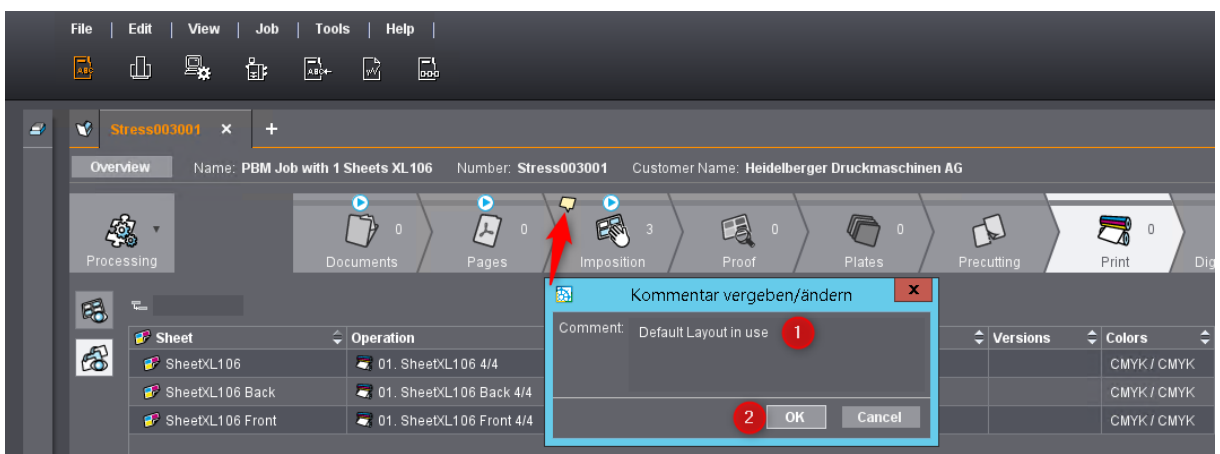
... transferred into Prinect Cockpit.



It is also possible to define these comments in the Cockpit...



... without MIS.



**Note:** Milestone status and comments are bidirectional synchronized between Cockpit and Business Manager.

# 1 Cockpit

## 1.2.4 History Detail View

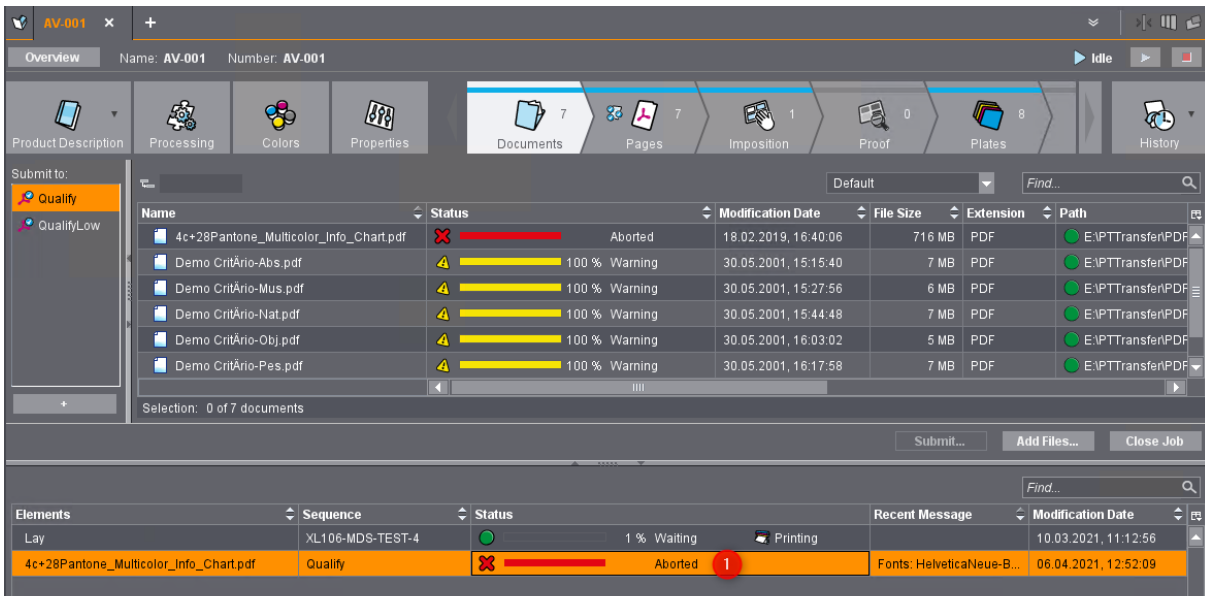
### Motivation

Customers have complained that process messages are sometimes too long too read.

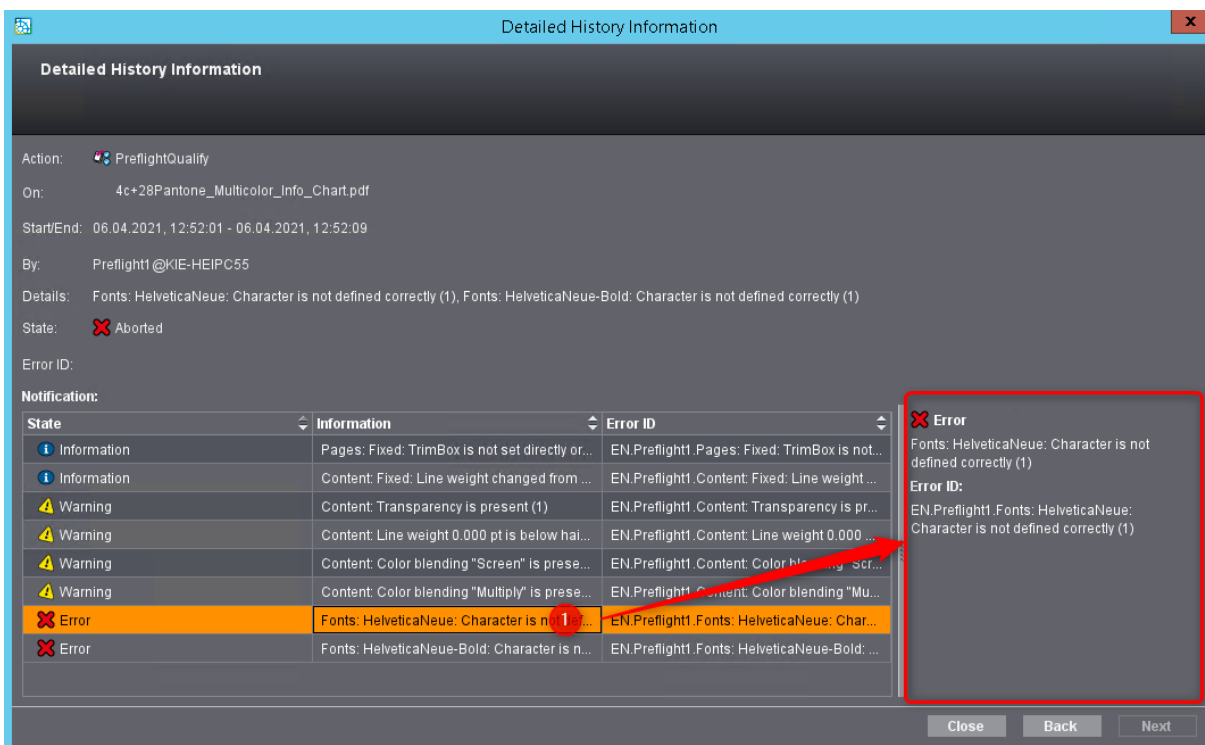
### Description

We can open process details in 2 different areas:

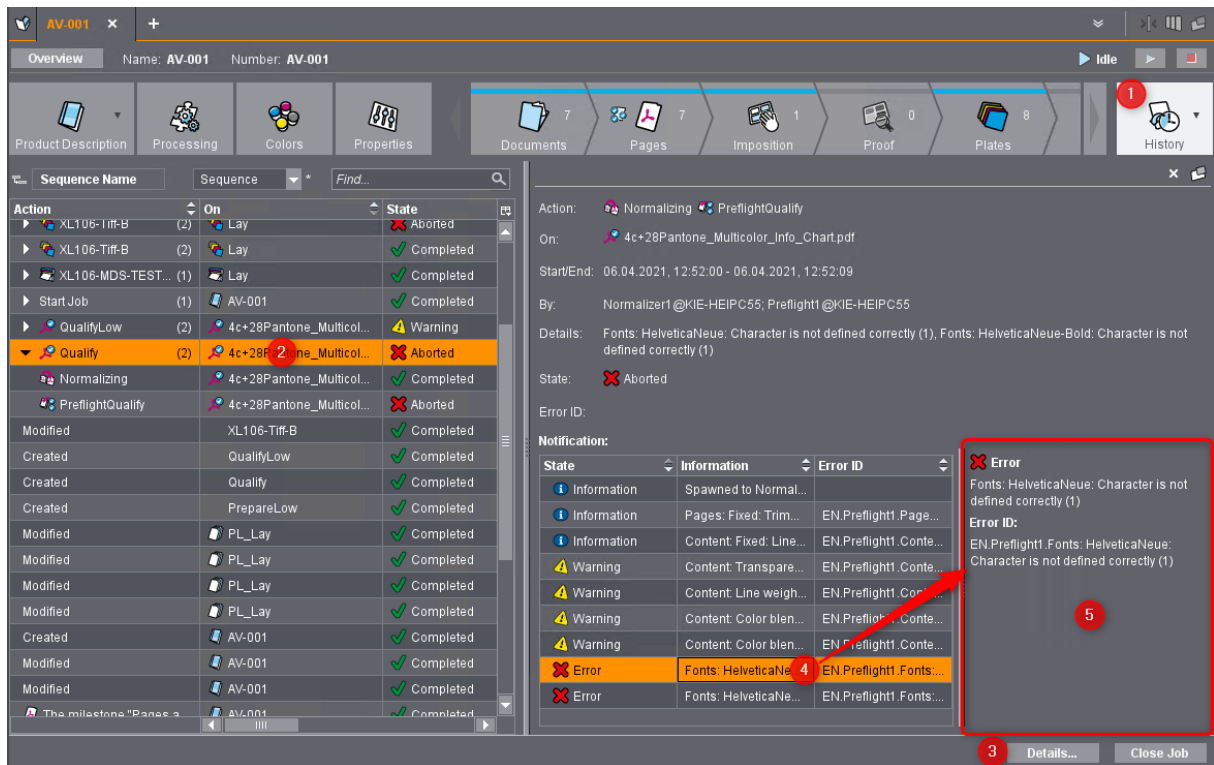
1. Job status > double click...



... opens the Detailed History Information. The right dialog is new and displays the full message.



2. History > Details displays the message in a separate area too.



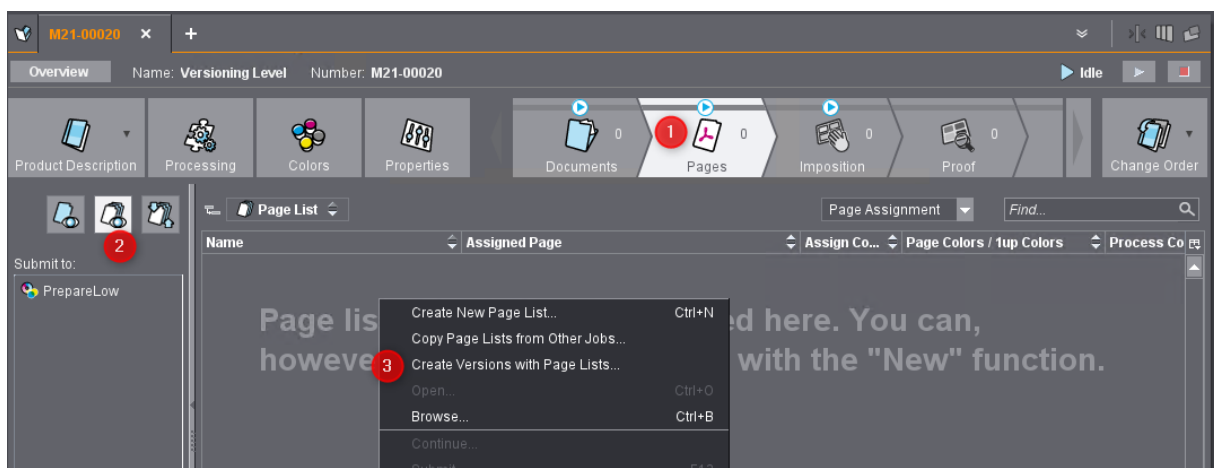
### 1.2.5 Default Names for Versioning Level

#### Motivation

In Signa Station we can define default names for versioning levels. A customer wants to save default level names in the Cockpit too.

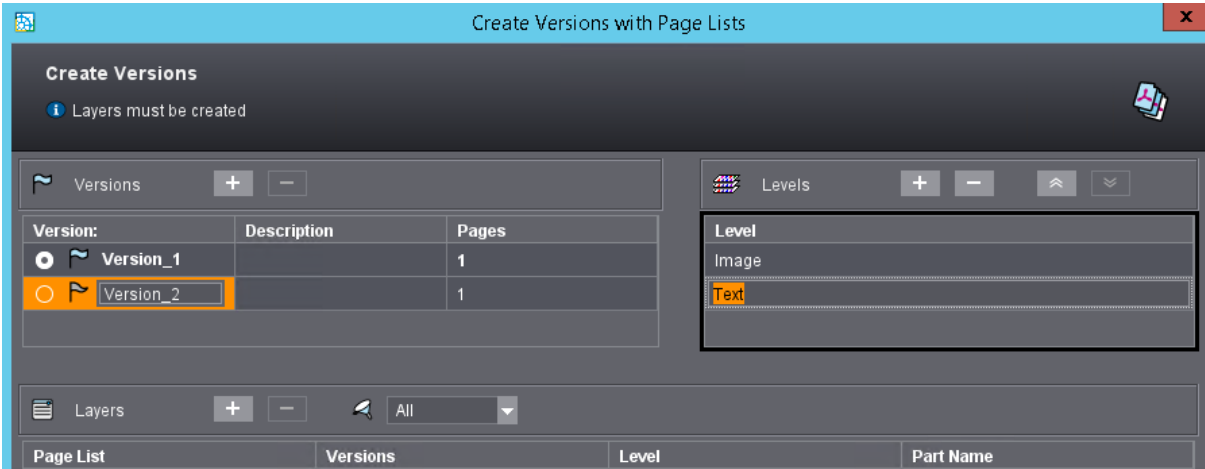
#### Description

We can define versions, page lists and level in the Cockpit too, when we do not want to create a layout. These defined versions, level and page lists are in use in Signa Station when we create a layout interactively.

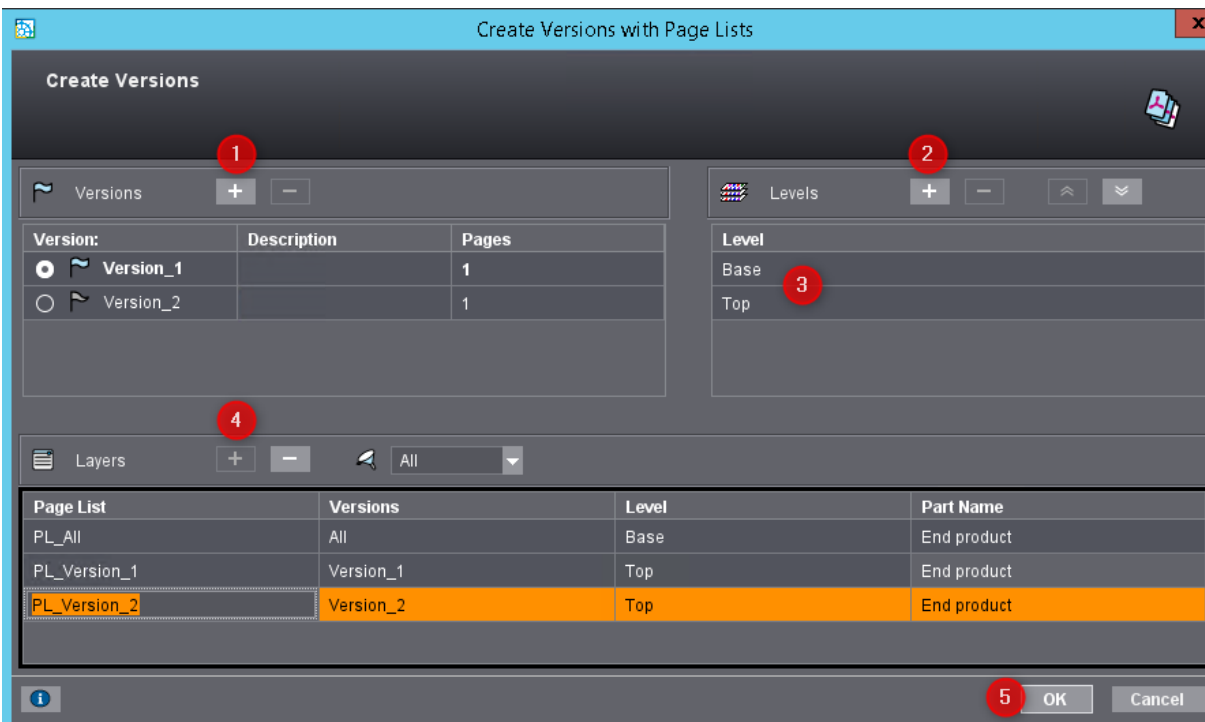


# 1 Cockpit

The default Cockpit names for level are "Image" and "Text".



When we change the level names the next job will use the same names again.



**Note:** This feature is user specific and Cockpit client specific. The new defaults have to be defined once from every log in user at his Cockpit computer.

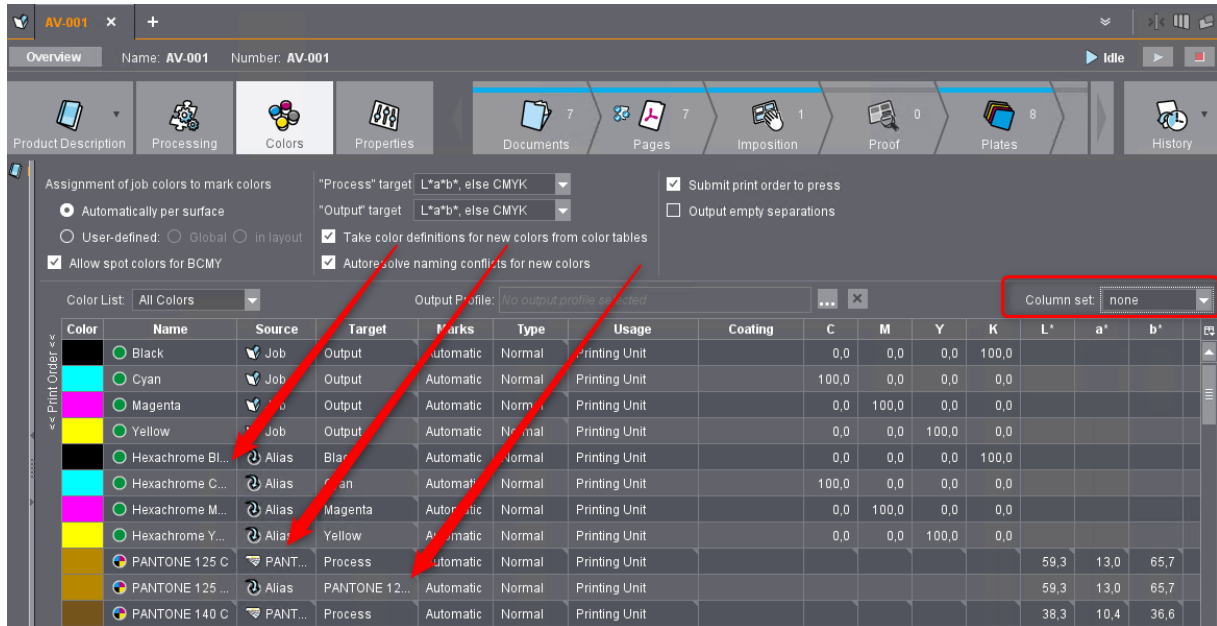
## 1.2.6 Global Job Colors

### Motivation

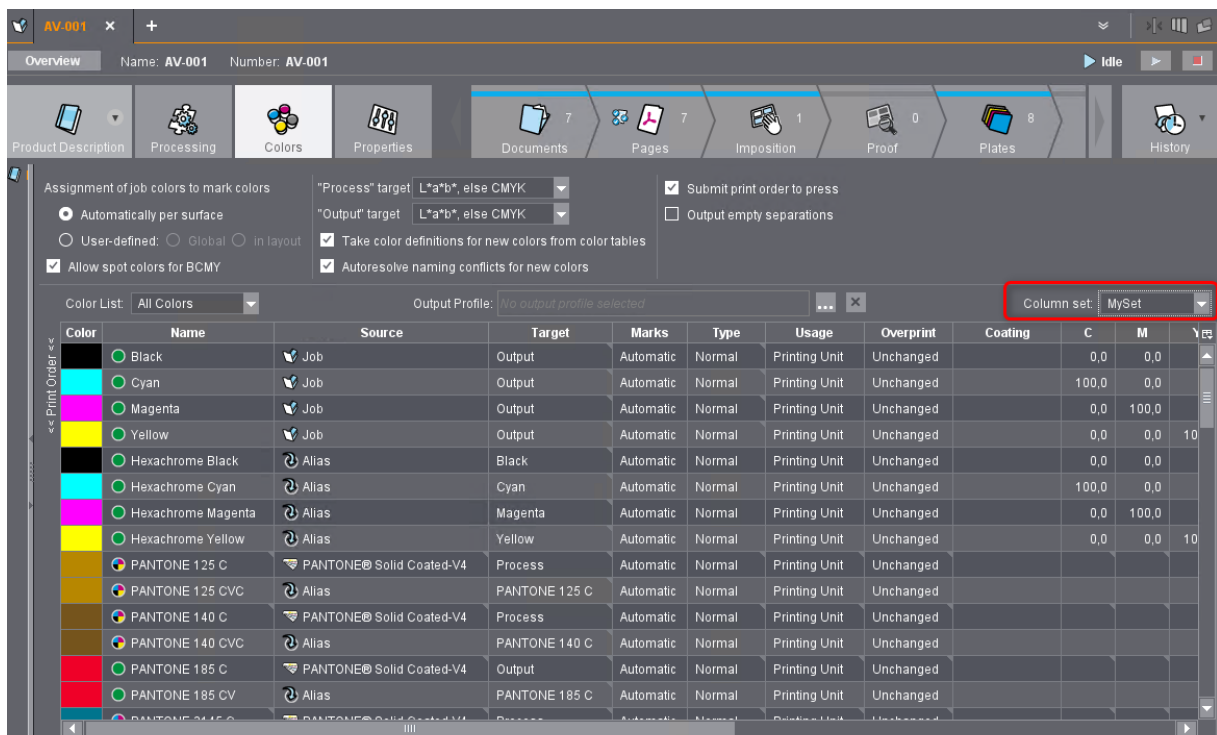
The column size in the "Global Job Colors" was shrinking automatically - the result was that the color names and details are not readable. This bug should be fixed!

### Description

Even when we have saved a own Column set, the view has changed always to this column size.



This is fixed now in Princt 2021.10. The Column set does not change the column sizes.



# 1 Cockpit

## 1.2.7 Plate Number has changed to Plate ID

### Motivation

In MIS, API and Signa Station the Plate Number has a different meaning as in the Cockpit - we have to keep it synchronized.

### Prinect 2021.0

- Plate Number - a unique number, generated when rendering starts
- Plate ID - from MIS only

Separation	Plate ID	Plate Number	Plate Code
LO100097 (16)			
ST100261 (Cover) (8)			
Front (4)			D5E12037
Yellow (No content)	10009710026100010004		D5E12037
Magenta	10009710026100010003	0008201000002	D5E12037
Cyan	10009710026100010002	0008201000001	D5E12037
Black	10009710026100010001	0008201000000	D5E12037

### Fixed in Prinect 2021.10

Now we can use the original NELA Mark in Signa Station.

- Plate ID - the old Plate Number
- Plate Product ID - the old Plate ID

Separation	Plate Product ID	Plate ID	Plate Code
05-Falzen_Prinect 2005 Broschüre Sheetf (30)			
Innenteil_1 (12)			
Front (6)			6C3028AE
Black		2541100001000	6C3028AE
Cyan		2541100001001	6C3028AE
Magenta		2541100001002	6C3028AE
Yellow		2541100001003	6C3028AE
HD_Grau (No content)			6C3028AE

## 1.3 Calibration Manager

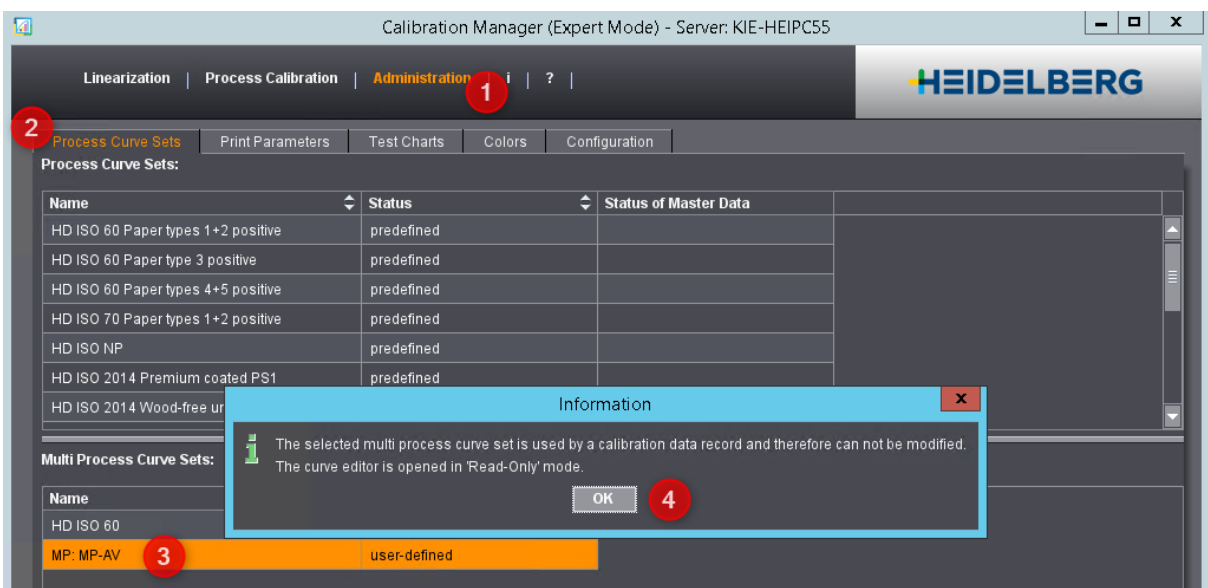
### 1.3.1 Generic Multi Process Curve Set

#### Motivation

In the ImpositionOutput Sequence we have to define a process curve set as a target curve.

Multi process curve sets can contain different process curve sets as targets => this will minimize the ImpositionOutput Sequences when we work in automatic calibration mode.

**Issue:** When a multi process curve set is referenced in a process calibration we cannot add additional process curves.



What we want is...

- not to create a multi process curve set manually
- to use a multi process curve set which is flexible and not to edit manually

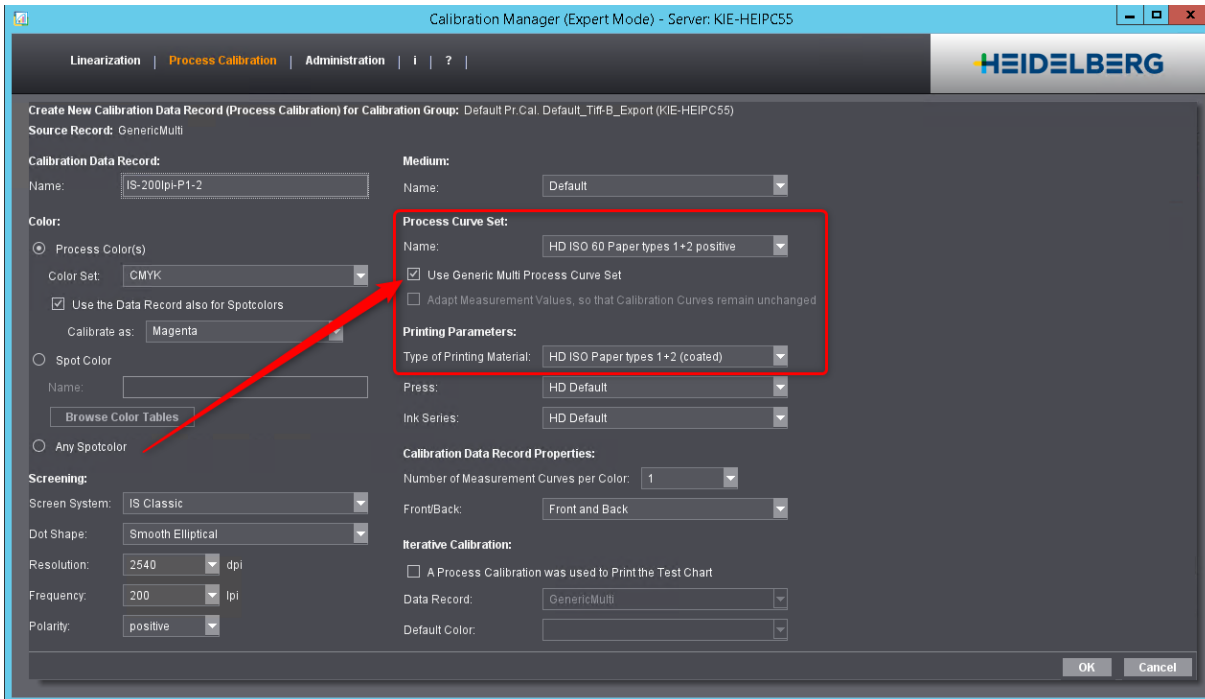
# 1 Cockpit

## Description

In the Calibration Manager we do not need to create a multi process set, we can use the new feature "Use Generic Multi Process Curve Set".

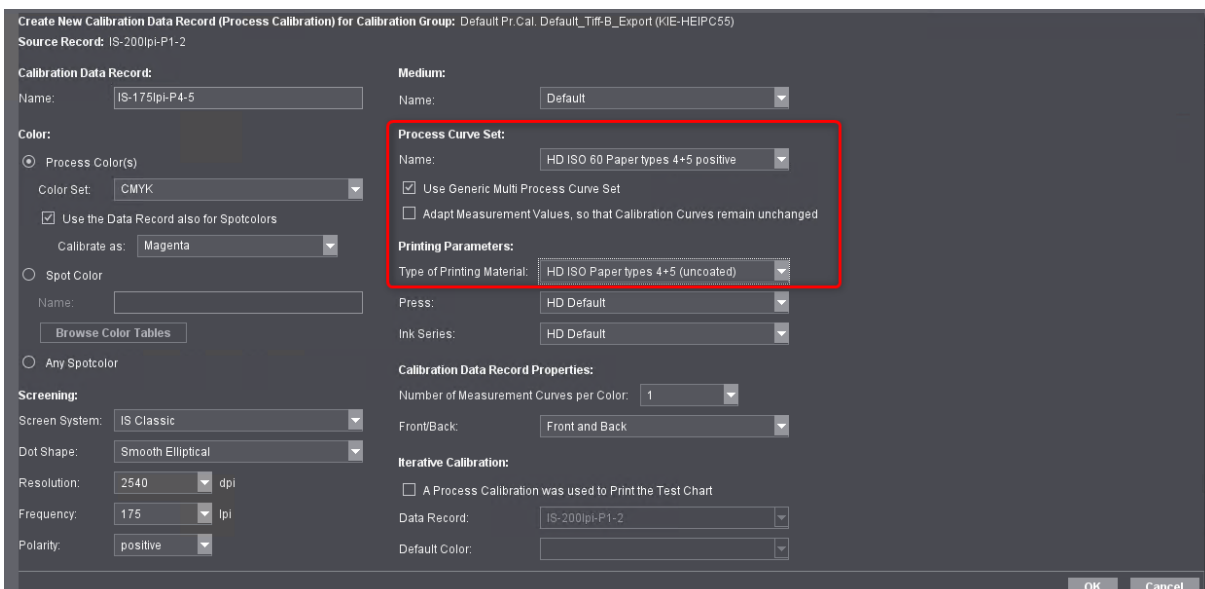
The Generic Multi Process Curve Set is like a container for all existing curve sets.

**Example 1:** A calibration for paper type 1 and 2 with "Generic Multi Process Curve Set".

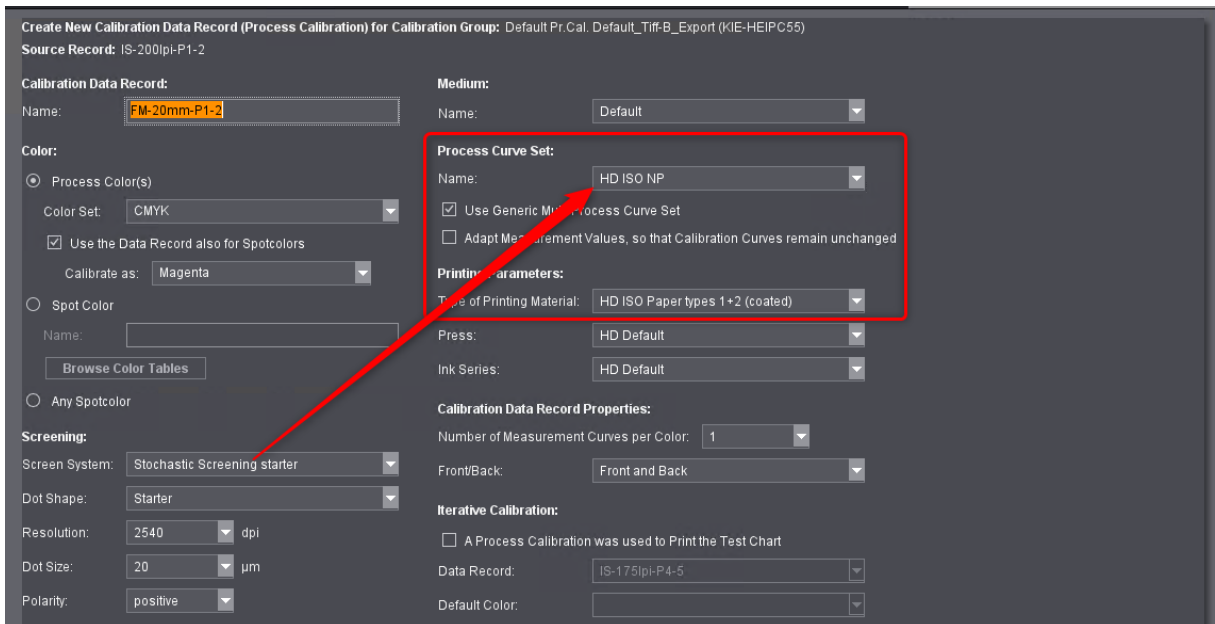


**Note:** This feature is not active when we select a classic Multi Process Curve Set - but there is no need for these classic sets anymore.

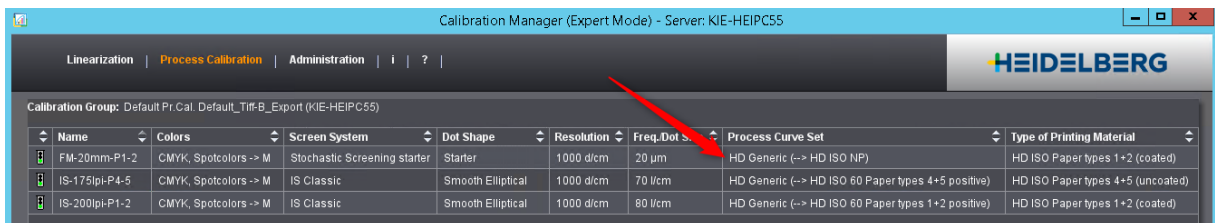
**Example 2:** A calibration for paper type 4 and 5 with "Generic Multi Process Curve Set".



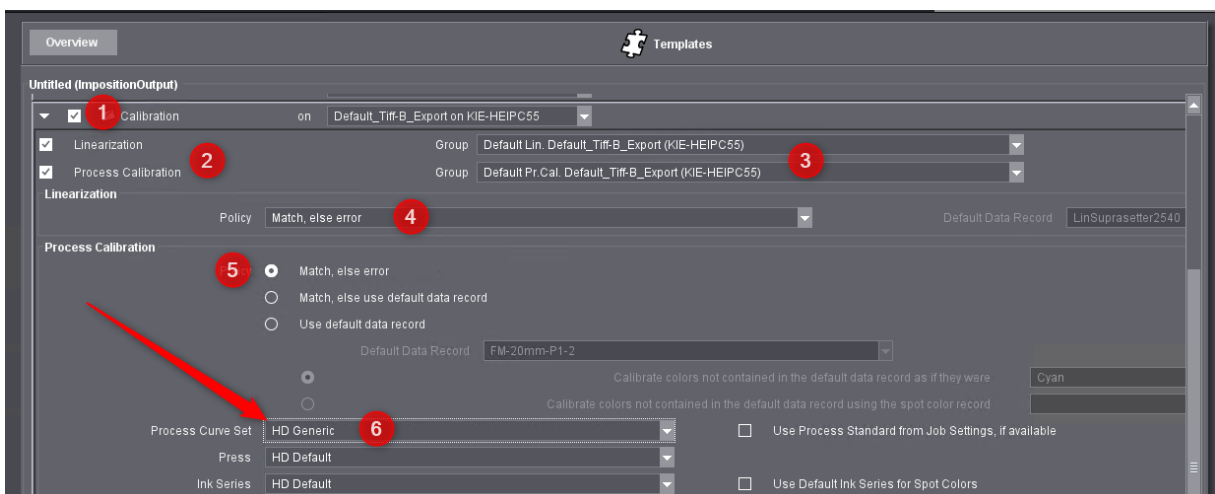
**Example 3:** A calibration for paper type 1 and 2 for FM screening (NP = Non Periodic screening) with "Generic Multi Process Curve Set".



**Result:** 3 different process calibrations with the Generic Multi Process Curve "HD Generic".



In the ImpositionOutput Sequence we can use the Calibration Manager in automatic mode and have to select the "HD Generic" Process Curve Set.



**Attention:** Such calibrations are NOT compliant to older Prinect versions ( $\geq$  2021.10).

# 1 Cockpit

## 2 PPF Combiner - PPF Handler

### 2.1 PPF Combiner & PPF Import in Prinect Portal

#### Motivation

We have implemented a new PPF Combiner (PPF Handler) for better stability, performance and support. We want to use the new Combiner without a Cockpit in a browser - cloud ready.

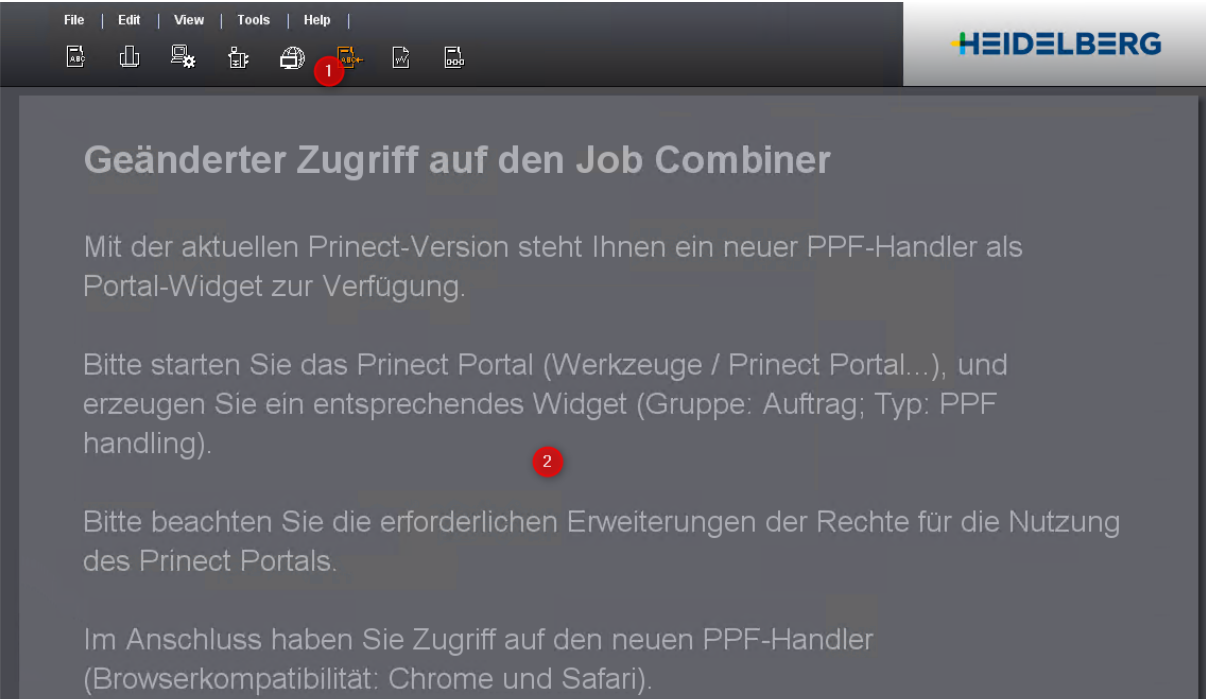
#### Description

The PPF Combiner is not longer part of the Cockpit.

When we select the PPF Combiner in the Cockpit a dialog comes up with following information:

#### Changed access for the Job Combiner

- With the actual Prinect version you have a new PPF-Handler as a Portal Widget.
- Please start the Prinect Portal (Tools/Prinect Portal...) and create a widget (Group: Job; Type: PPF handling).
- Please pay attention for the necessary Portal User rights
- You can have access to the new PPF handler via browser (Chrome and Safari recommended).



The screenshot shows a software interface with a menu bar (File, Edit, View, Tools, Help) and a toolbar with various icons. A red circle with the number '1' highlights a specific icon in the toolbar. The main content area displays a dialog box with the following text:

**Geänderter Zugriff auf den Job Combiner**

Mit der aktuellen Prinect-Version steht Ihnen ein neuer PPF-Handler als Portal-Widget zur Verfügung.

Bitte starten Sie das Prinect Portal (Werkzeuge / Prinect Portal...), und erzeugen Sie ein entsprechendes Widget (Gruppe: Auftrag; Typ: PPF handling).

Bitte beachten Sie die erforderlichen Erweiterungen der Rechte für die Nutzung des Prinect Portals.

Im Anschluss haben Sie Zugriff auf den neuen PPF-Handler (Browserkompatibilität: Chrome und Safari).

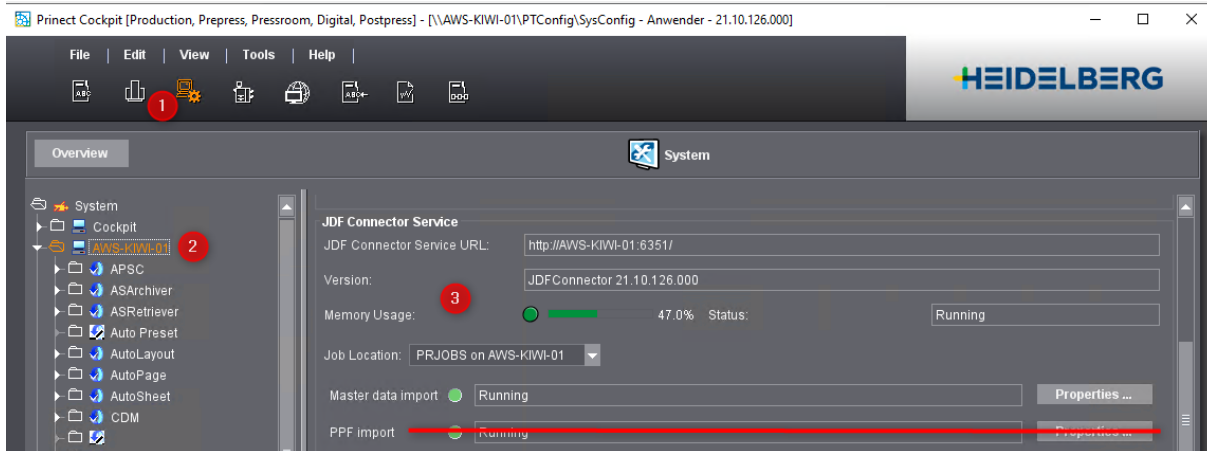
A red circle with the number '2' is positioned below the second paragraph of the dialog text.



**Note:** All existing PPF Hotfolders and configuration settings of the old PPF Import are migrated by Upgrade.

## 2 PPF Combiner - PPF Handler

The PPF Import is to define in the Prinect Portal now and not longer displayed in the Cockpit.



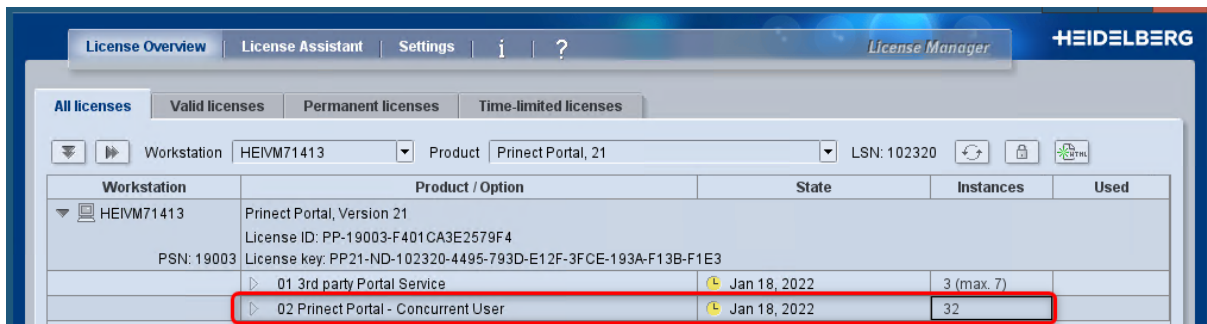
### 2.1.1 Portal Licenses / User

#### Motivation

A Portal User needs licenses and access rights.

#### Description

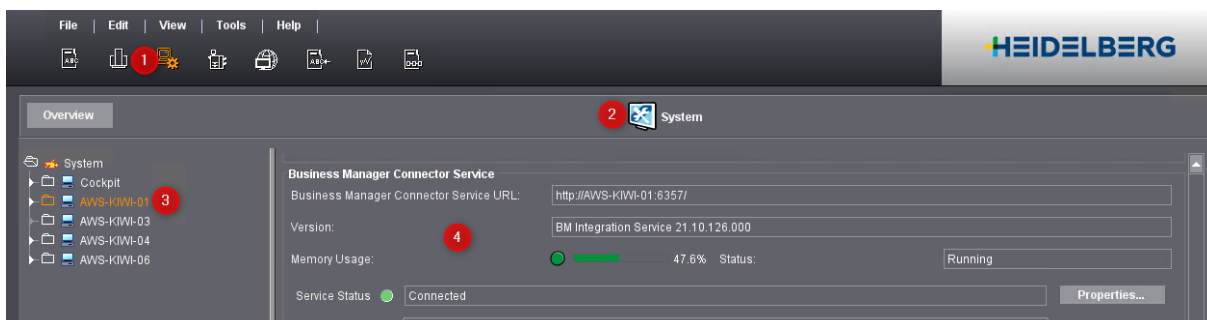
Every Portal log in user needs a "Concurrent User" license. When you need additional licenses for a customer with PPF Workflow you can contact the Heidelberg Product Management.



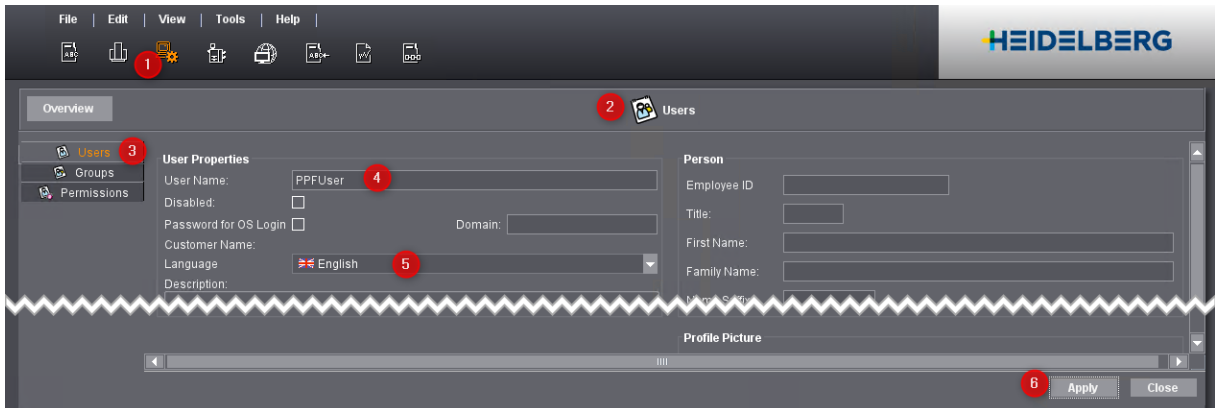
As the next step we have to create a Portal User.



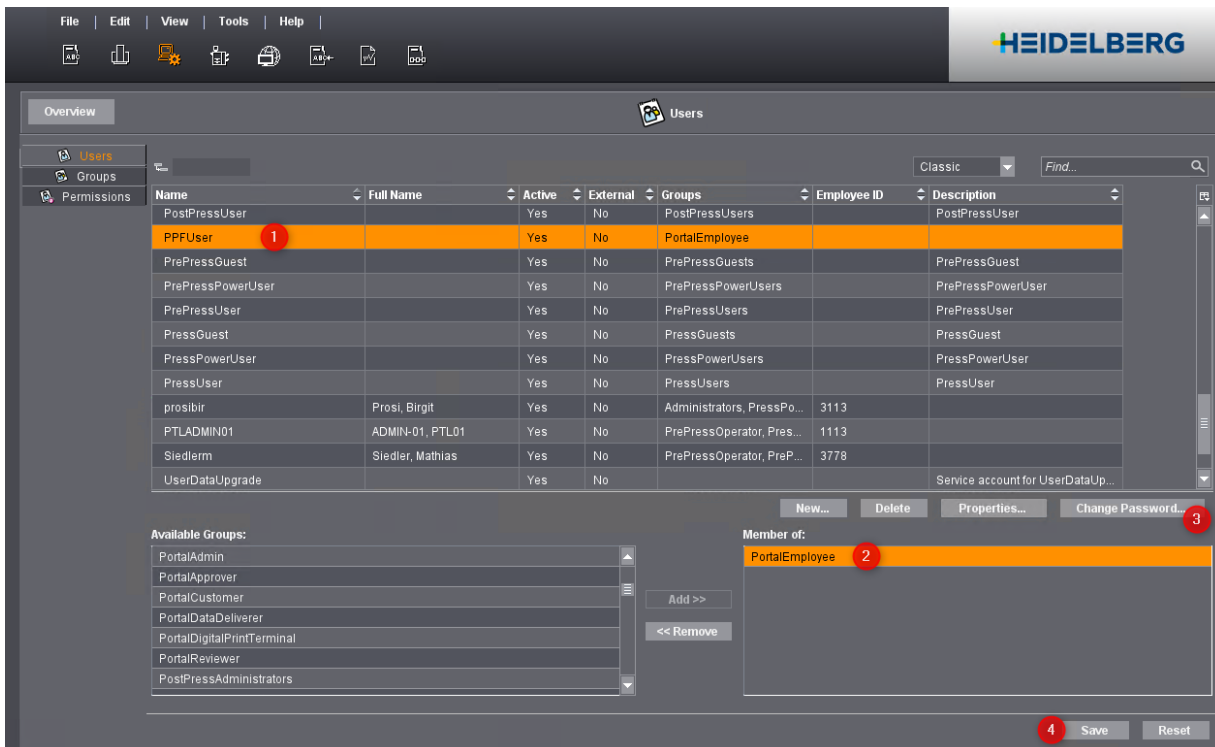
**Note:** When a Prinect Business Manager is connected via "Cockpit/Administration/Business Manager Connection Service" we have to create Users in the Prinect Portal!



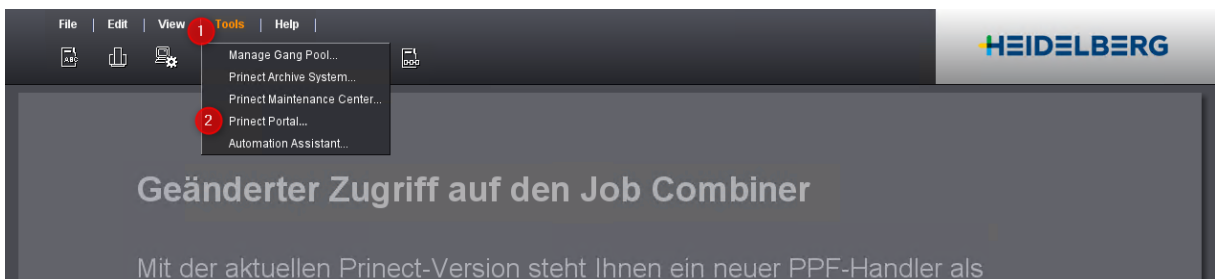
To get access via browser we have to define a User (screenshot with minimum user properties)...



...with "Portal Employee" user rights and a password.



The Portal URL you can get easily via "Cockpit/Tools/Prinect Portal".

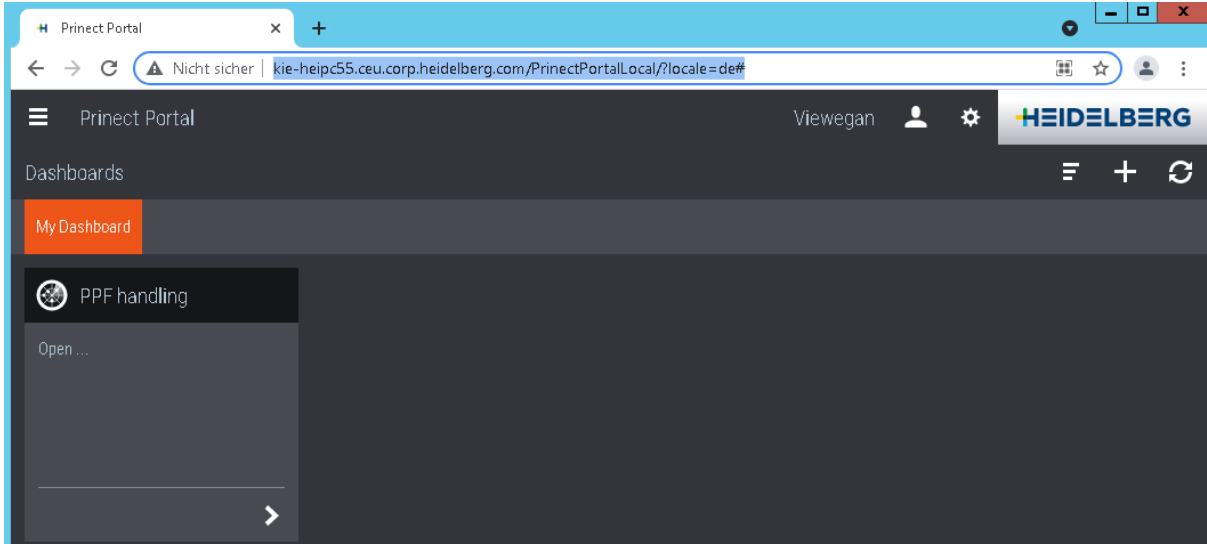


## 2 PPF Combiner - PPF Handler



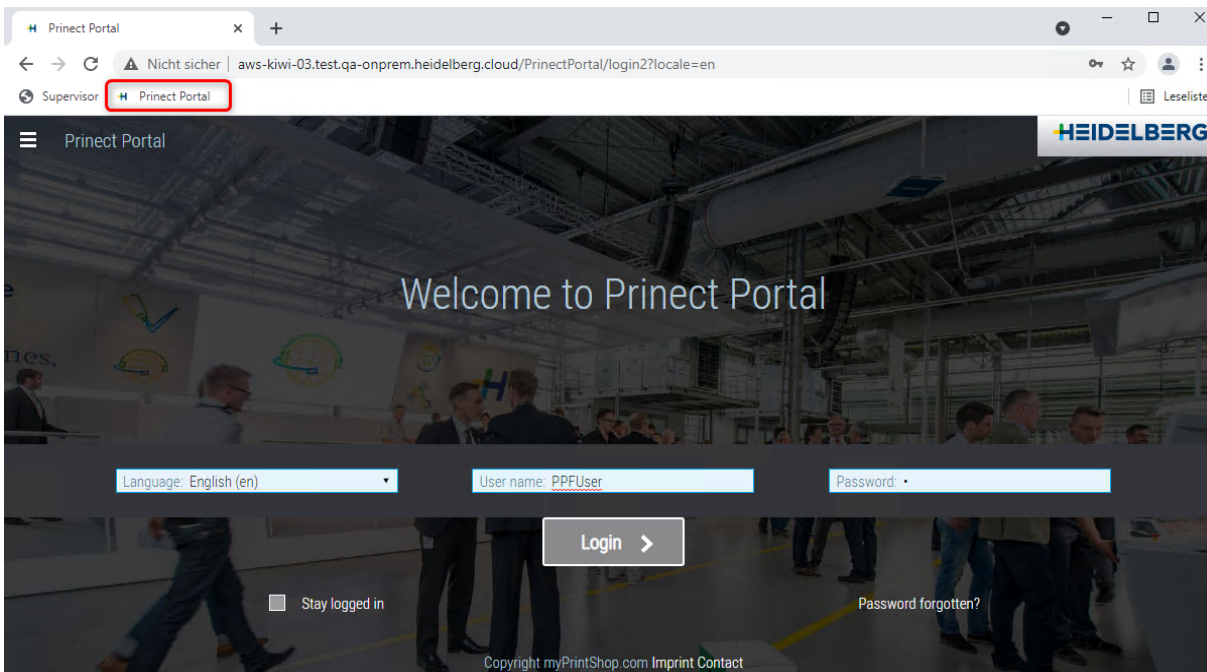
**Note:** When we login via Cockpit the new PPF Handler is automatically on the dashboard.

We can save this URL as a favorite in our browser and save it for other computers in PTransfer.



At another computer we can open the URL in the browser and login with a Portal User.

In this case we have to create the PPF Handler widget manually - next chapter.



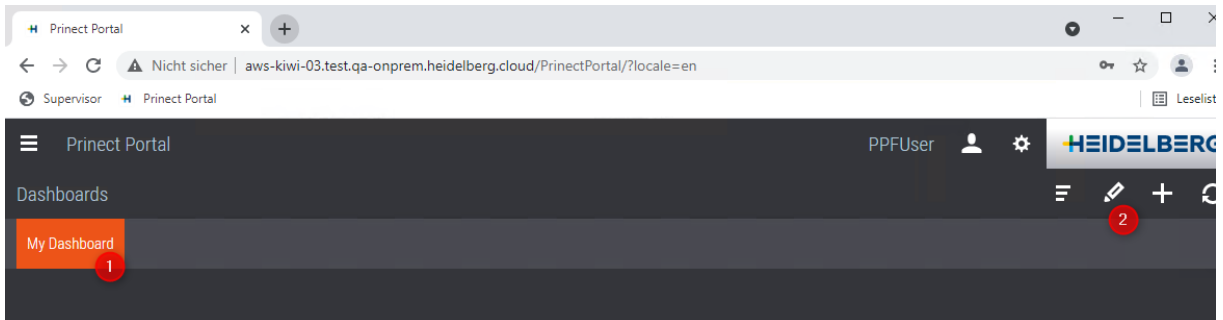
## 2.1.2 Dashboard & Widget

### Motivation

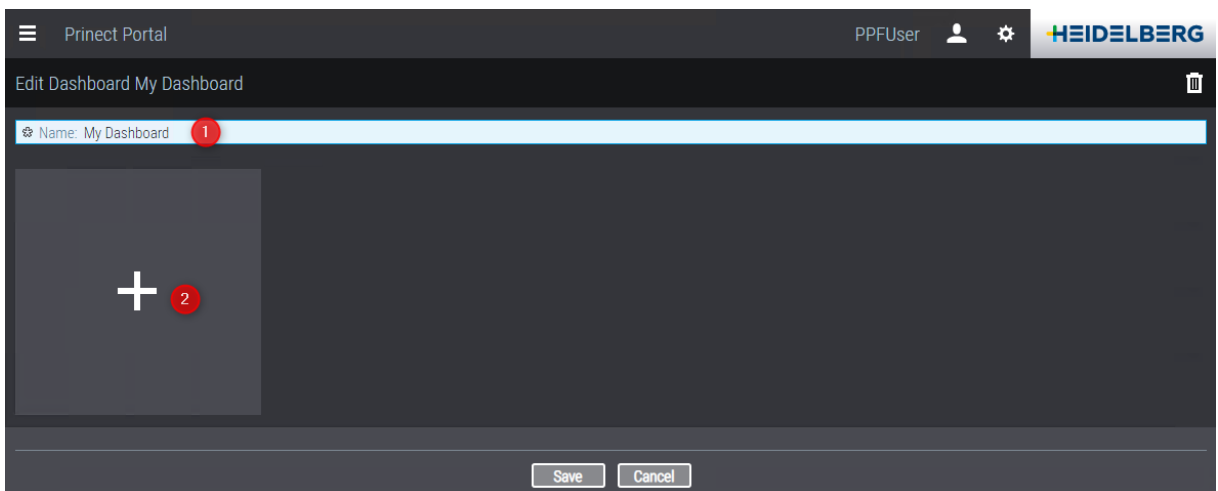
Users can define an own dashboard and create own Prinect Portal widgets.

### Description

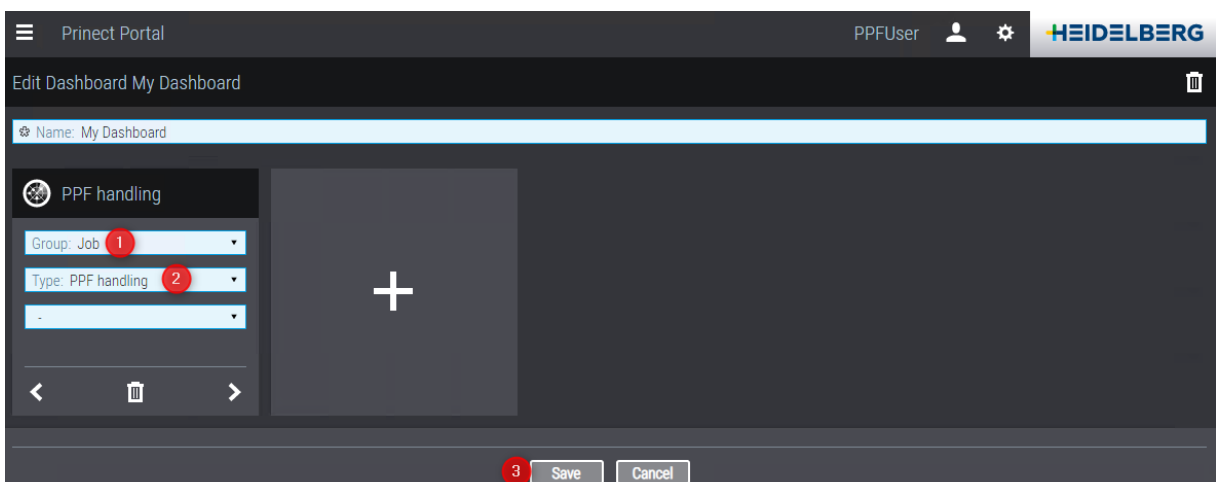
After log in we will get an empty dashboard and we have to create the "PPF handler" widget.



We can rename (1) the dashboard and create the widget (2)...

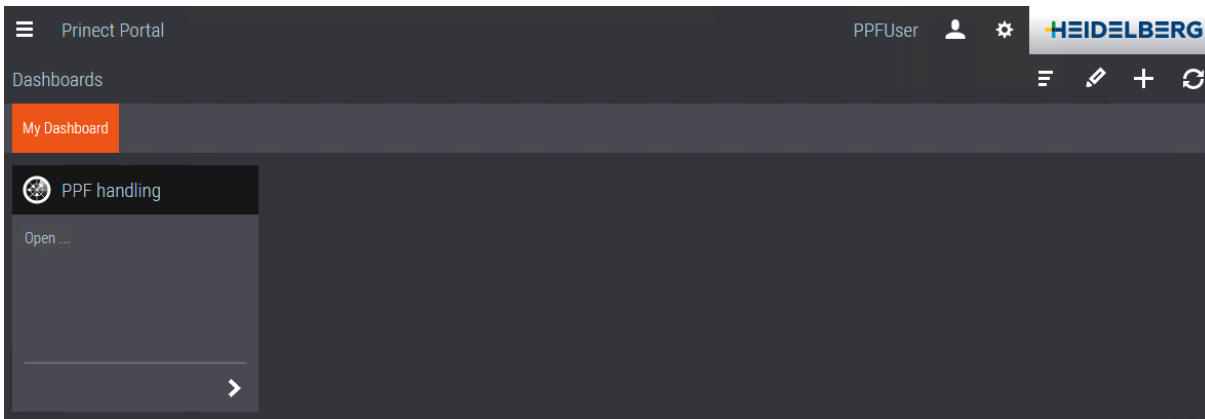


...in the "Group: Job, Type: PPF handling".



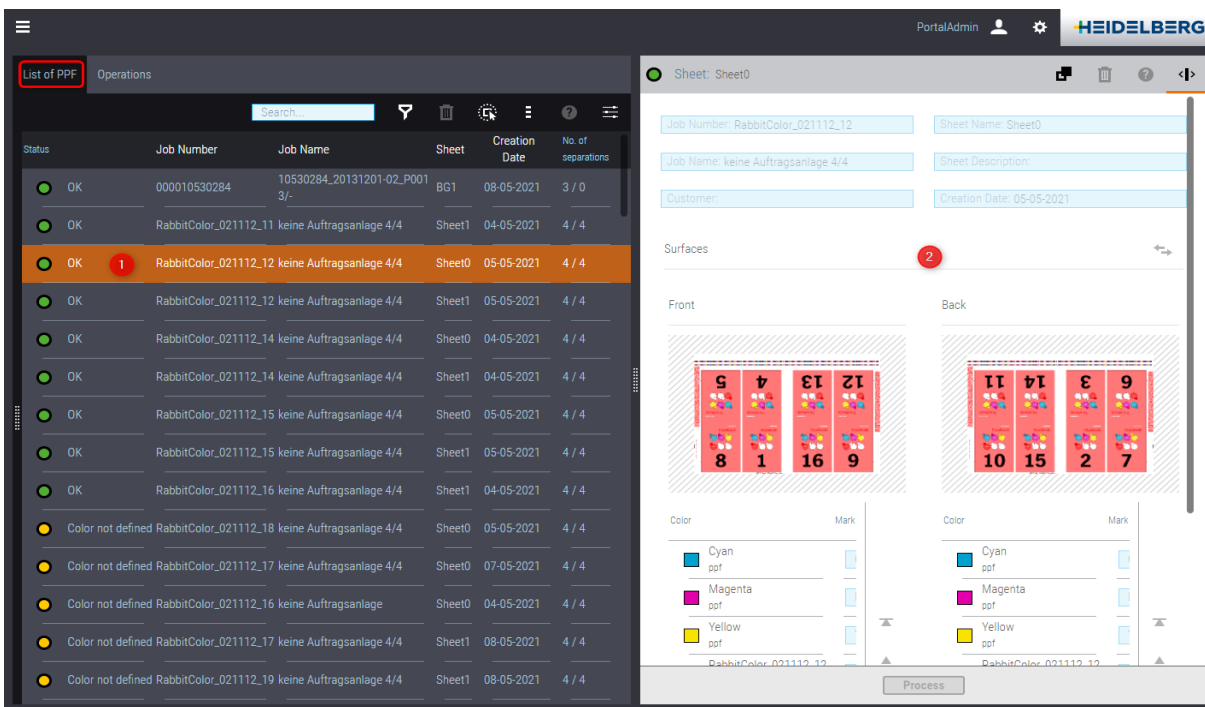
## 2 PPF Combiner - PPF Handler

**Result:** We have now created a dashboard for the user "PPFUser" with the widget "PPF handling".



We can open the new PPF Combiner by pressing on top of the widget.

The default view displays in the "List of PPF" - all incoming PPF's.



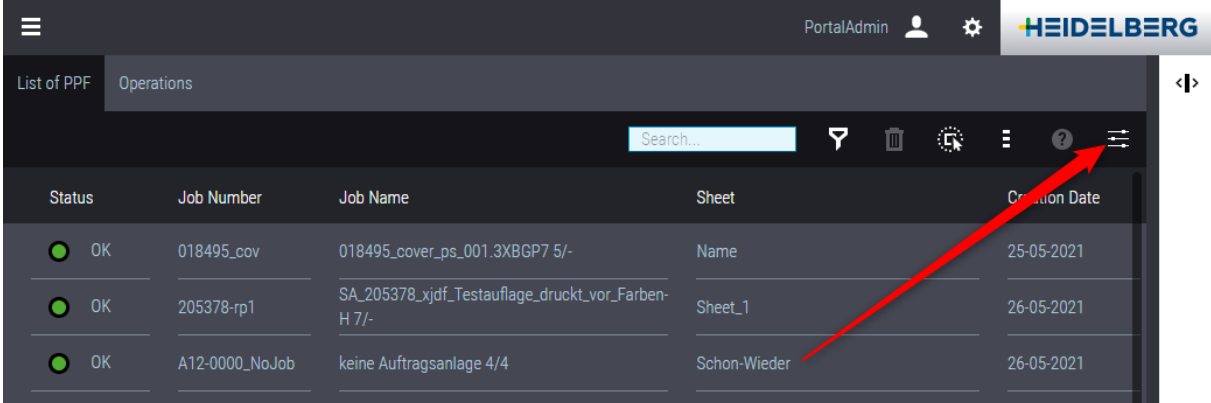
## 2.2 Processes Configuration (PPF Import)

### Motivation

The PPF Import configuration must be accessible in the browser.

### Description

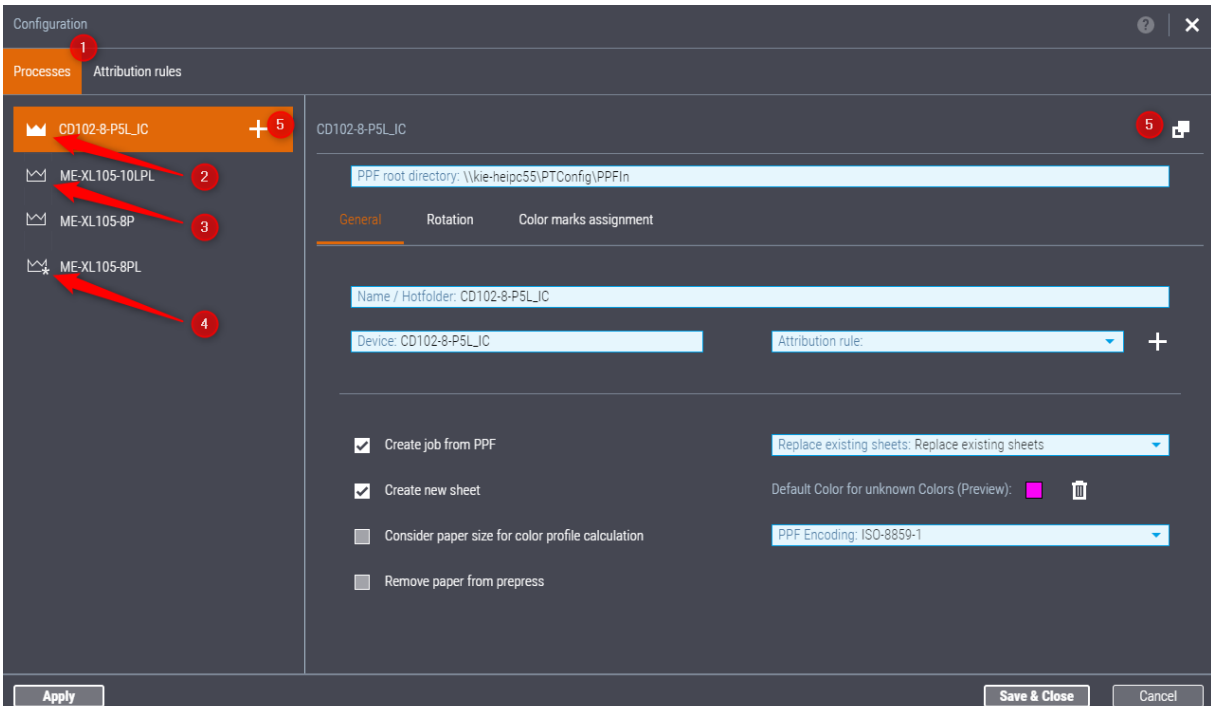
In the Web UI we can configure all hotfolder for PPF import.



Status	Job Number	Job Name	Sheet	Creation Date
OK	018495_cov	018495_cover_ps_001.3XBG7 5/-	Name	25-05-2021
OK	205378-rp1	SA_205378_xjdf_Testauflage_druckt_vor_Farben-H 7/-	Sheet_1	26-05-2021
OK	A12-0000_NoJob	keine Auftragsanlage 4/4	Schon-Wieder	26-05-2021

### Process Dialog

1. Hotfolder processes for machines are automatically created by CDM creation.
2. The first created hotfolder is the master process - not to delete.
3. When a process configuration is identically to the master we display an "empty" crown.
4. When the process is different configured to the master we display the crown with a "\*\*".
5. We can create processes manually, based on the master process, with "+" or via "copy".



Configuration

Processes Attribution rules

CD102-8-PSL\_IC + 5

ME-XL105-10LPL 2

ME-XL105-8P 3

ME-XL105-8PL 4

CD102-8-PSL\_IC 5

PPF root directory: \\kie-heip055\PTConfig\PPFIn

General Rotation Color marks assignment

Name / Hotfolder: CD102-8-PSL\_IC

Device: CD102-8-PSL\_IC Attribution rule: +

Create job from PPF Replace existing sheets: Replace existing sheets

Create new sheet Default Color for unknown Colors (Preview): ■ ■ ■

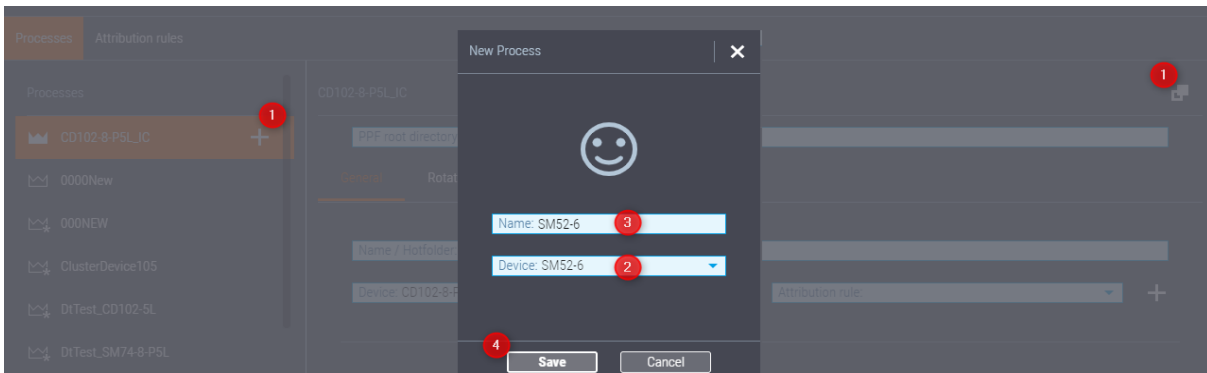
Consider paper size for color profile calculation PPF Encoding: ISO-8859-1

Remove paper from prepress

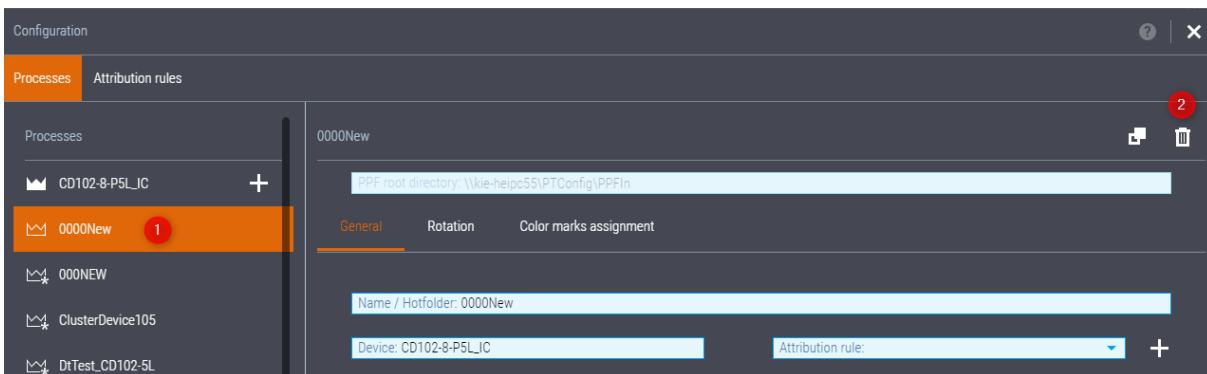
Apply Save & Close Cancel

## 2 PPF Combiner - PPF Handler

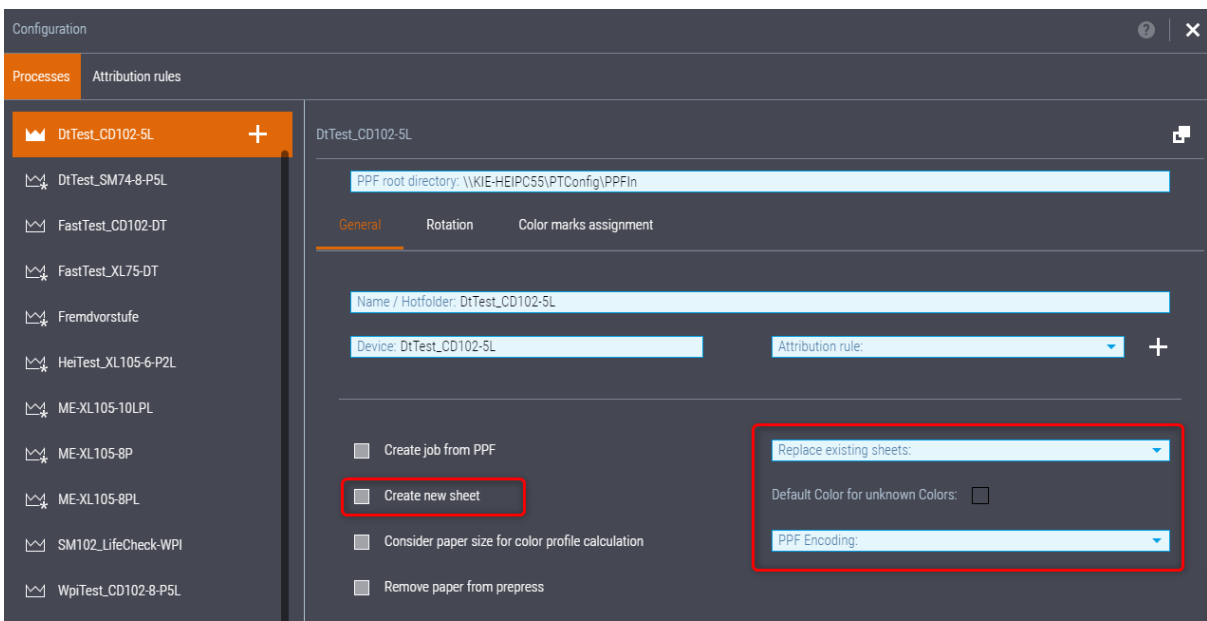
In the "New Process" dialog we can select all CDM printing devices (2) and define a process name (3).  
The Hotfolder gets automatically the process name.



Processes (Hotfolders) can be deleted, except the master.

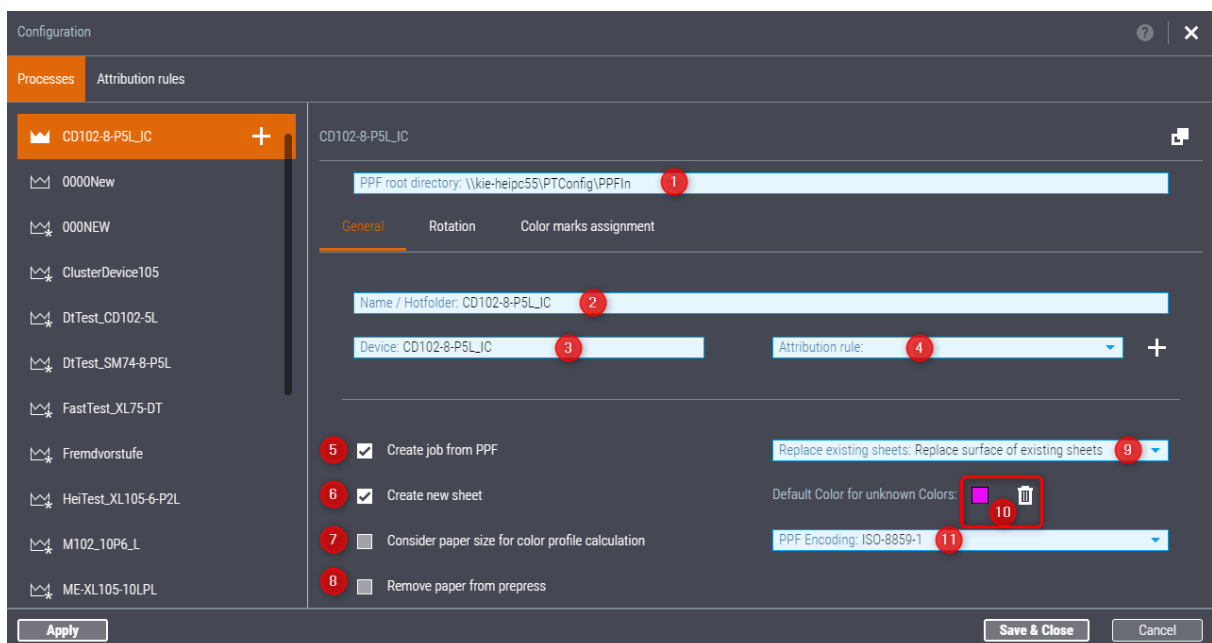


**Attention:** At the moment some processes are globally in use for all processes (7/2021), even when we change these features at a normal process!



**Example for a typical PPF process configuration**

1. Default hotfolder directory - only to define in the master process.
2. Process name / hotfolder name.
3. CDM device.
4. "Attribution rules" - to take over missing information from the PPF filename - chapter 2.2.10.
5. "Create Job from PPF" - not to select in a JDF/PPF workflow - chapter 2.2.1.
6. "Create new sheets" - only for PPF or JDF level 1 workflow - chapter 2.2.2.
7. "Consider paper size (only size) for color profile calculation" - chapter 2.2.3.  
Especially for web printing: Ink Scavanger Marks (Farbabnahmestreifen) are outside of the paper => only paper related areas should be calculated for the Ink profile.
8. "Remove paper from prepress" (all paper definitions) - chapter 2.2.4.  
To enable when the paper definition (size, grade, thickness...) is not defined correctly in the PPF.
9. Replace existing sheets: For the PPF workflow we recommend 2 features - chapter 2.2.5.
  - Replace existing surfaces => color changes via PPF including color removal.
  - Replace existing sheets => when we send 2 times the same sheet via PPF => the first sheet will be deleted and replaced by the second one.
10. "Default Color for unknown Colors (Preview)"- chapter 2.2.6:
  - Defined: When a spot color is not defined in the color tables => process would use the defined "Default Color" => the job is available at the Press Center.
  - Not defined: When a spot color is not defined in the color tables => process would wait for color definition => the job is not available at the Press Center.
11. "PPF Encoding": Character encoding to display special language characters - chapter 2.2.7.



## 2 PPF Combiner - PPF Handler

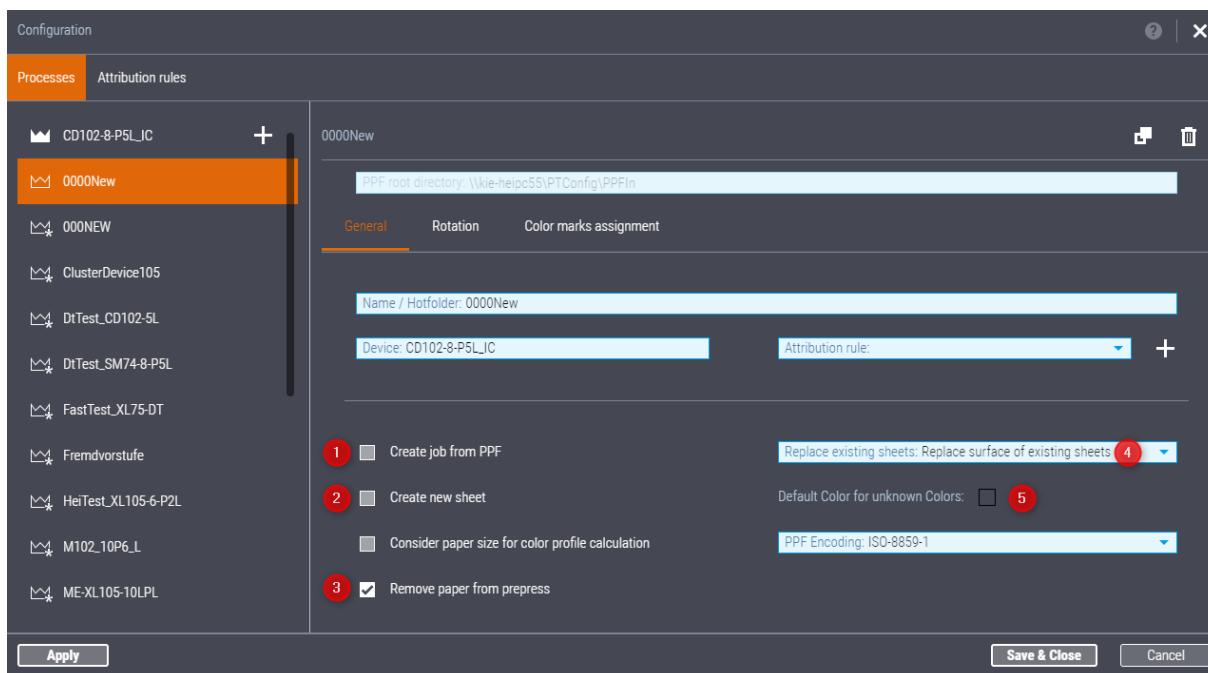
### Example for a typical JDF/PPF process configuration

1. Jobs are created by JDF and not by PPF - chapter 2.2.1.
2. Sheets are created by JDF and not by PPF - only for PPF or JDF level 1 workflow - chapter 2.2.2.
3. We want remove all paper definitions from PPF, because it is much better defined in the JDF - chapter 2.2.4.
4. Replace existing sheets - chapter 2.2.5 - for the JDF/PPF Workflow we recommend 2 features:
  - Replace existing surfaces => color changes via PPF including color removal.
  - Do not replace => when separation splitting via JDF is in use (one sheet printed in 2 runs).



**Note:** We never should use "Replace existing sheets", because we would loose the JDF defined sheet definitions (quantity, paper definitions like grammar, grade, thickness...).

5. We normally do not want do define a default color, because we want to get the color information from JDF or Job or Color Tables - chapter 2.2.6.



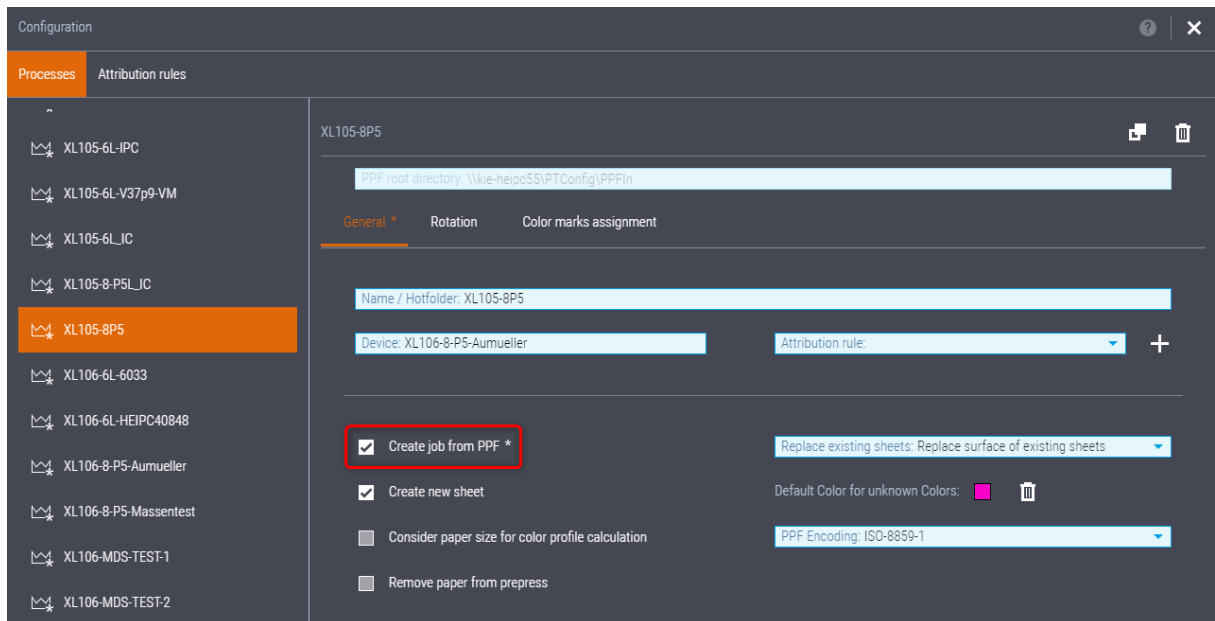
## 2.2.1 Create Job from PPF

### Motivation

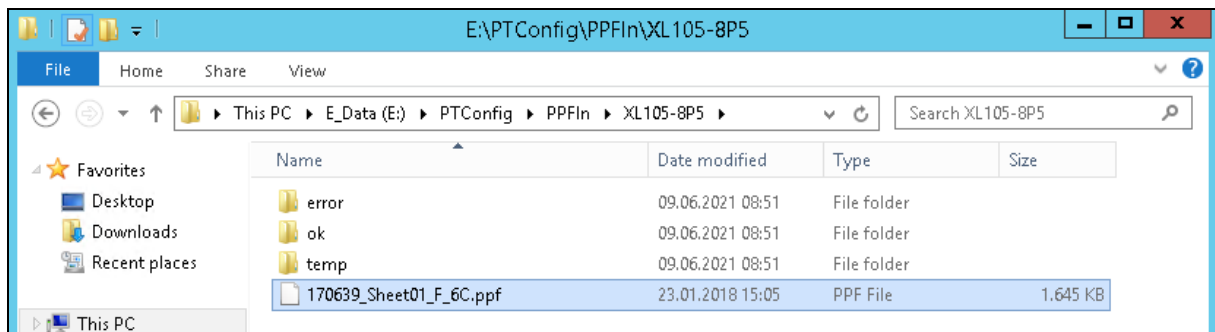
Only to use for the PPF workflow - NOT for JDF/PPF merge!

### Description

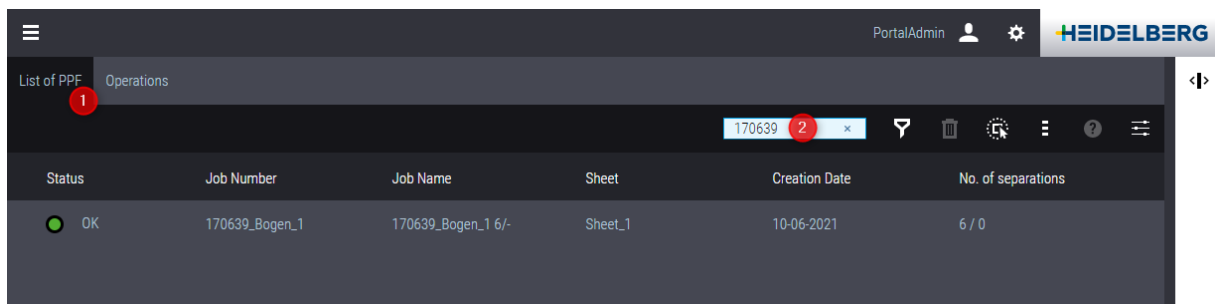
"Create job from PPF\*": The "\*" symbol displays that this process is different than the master process.



When we drop with these settings a PPF into the Hotfolder after 42 seconds the PPF file is imported...

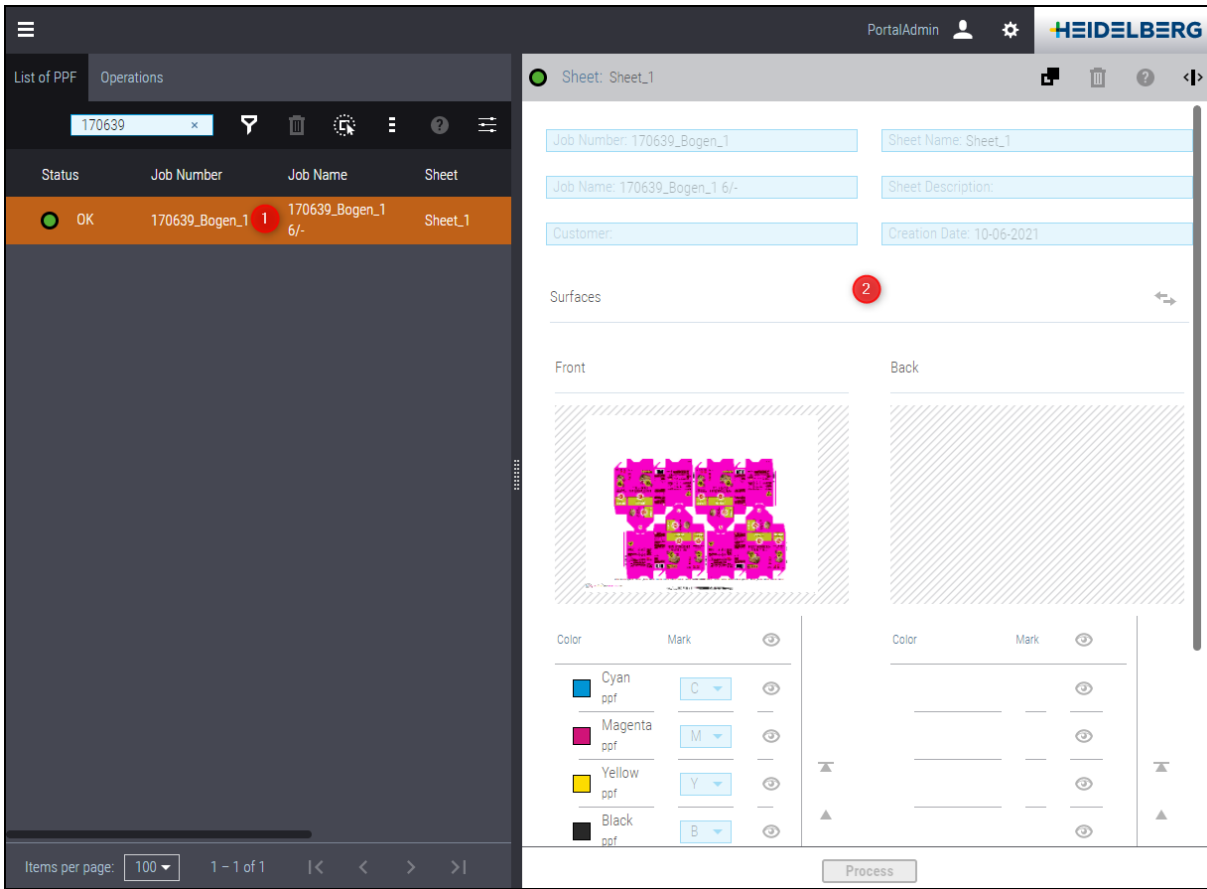


... and displayed in the "List of PPF".

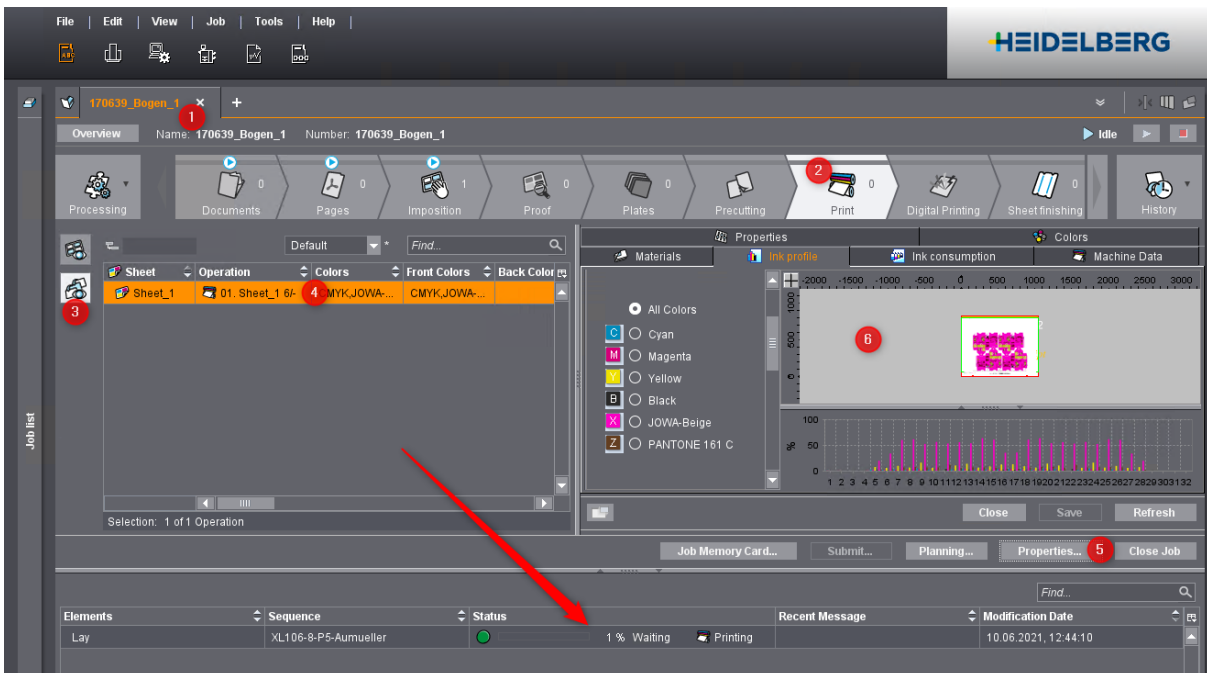


## 2 PPF Combiner - PPF Handler

When we select the PPF sheet we will get a split screen with job details - modification at the job we describe in chapter 2.3 List of PPF.



After view seconds a job with the sheetfed printing operation is created in the Cockpit...



...and this operation is visible in the operation list of the PPF-Handler.

Status	Job Number	Job Name ↑	Sheet	Sheet Description	Creation Date	Process	No. of separatic
<span style="color: green;">●</span> Data available for printing	170639_Bogen_1	170639_Bogen_1	Sheet_1	Sheet_1	10-06-2021	XL105-8P5	6 / 0



**Note:** In this condition the operation is available at the Press Center.

### 2.2.2 Create new Sheet

#### Motivation

Normally to use for PPF and JDF/PPF Level 1 workflow (no paper info from JDF and no sheetfed printing process).

In the JDF/PPF Level 3 workflow we can use this feature too for special needs.

#### Description PPF workflow

When the customer is working with PPF's only we recommend to use both settings:

1. Create job from PPF
2. Create new sheet

Configuration

Processes Attribution rules

XL105-8P5

PPF root directory: \\kie-heipc551.PT\Config\PPFIn

General Rotation Color marks assignment

Name / Hotfolder: XL105-8P5

Device: XL106-8-P5-Aumueller Attribution rule: [dropdown] +

Create job from PPF

Create new sheet

Consider paper size for color profile calculation

Remove paper from prepress

Replace existing sheets: Replace surface of existing sheets [dropdown]

Default Color for unknown Colors: [color picker] [trash]

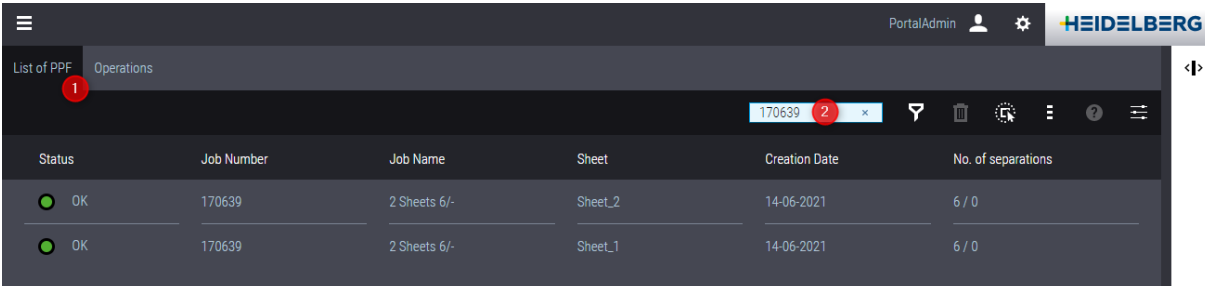
PPF Encoding: ISO-8859-1 [dropdown]



**Note:** "Create job from PPF" does always include "Create new sheets", even when "Create new sheets" is unselected.

## 2 PPF Combiner - PPF Handler

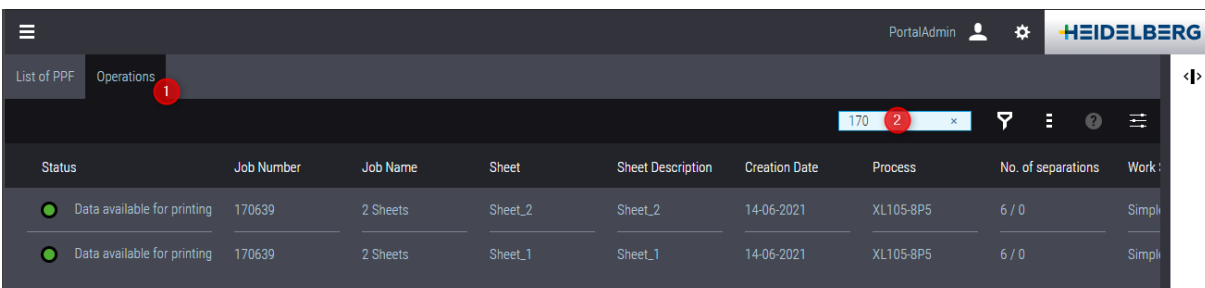
Incoming PPF's are after 42 seconds imported and automatically displayed in the PPF List...



The screenshot shows the Heidelberg PPF List interface. At the top, there is a search bar with the value '170639' and a red circle '2' next to it. Below the search bar is a table with the following columns: Status, Job Number, Job Name, Sheet, Creation Date, and No. of separations. The table contains two rows of data.

Status	Job Number	Job Name	Sheet	Creation Date	No. of separations
OK	170639	2 Sheets 6/-	Sheet_2	14-06-2021	6 / 0
OK	170639	2 Sheets 6/-	Sheet_1	14-06-2021	6 / 0

... and visible in the operation list of the PPF-Handler and in the Cockpit.



The screenshot shows the Heidelberg PPF-Handler interface. At the top, there is a search bar with the value '170' and a red circle '2' next to it. Below the search bar is a table with the following columns: Status, Job Number, Job Name, Sheet, Sheet Description, Creation Date, Process, No. of separations, and Work. The table contains two rows of data.

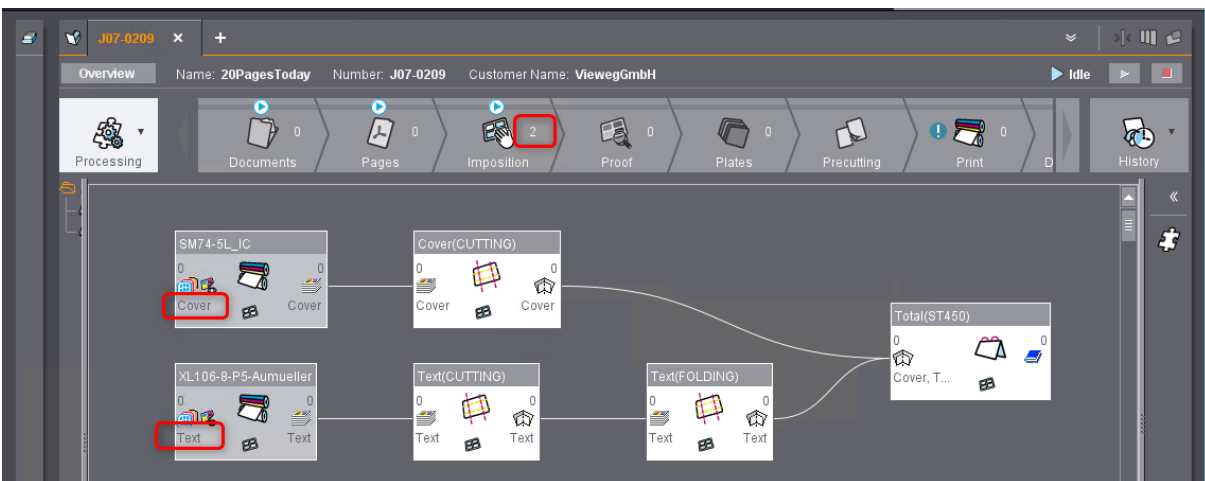
Status	Job Number	Job Name	Sheet	Sheet Description	Creation Date	Process	No. of separations	Work
Data available for printing	170639	2 Sheets	Sheet_2	Sheet_2	14-06-2021	XL105-8P5	6 / 0	Simpl
Data available for printing	170639	2 Sheets	Sheet_1	Sheet_1	14-06-2021	XL105-8P5	6 / 0	Simpl



**Note:** In this condition the operations are available at the Press Center.

### Description JDF/PPF workflow

A JDF was sent from MIS into our Prinect system via port or into the folder \\PrinectServer\PTConfig\Connector: A generated process net - 2 sheets are defined by MIS



This JDF created operations are displayed in the PPF Handler in the tab "Operations" => the PPF's are missing.

Status	Job Number	Job Name ↑	Sheet	Sheet Description	Creation Date	Process	No. of separations	Work
Missing PPF	J07-0209	20PagesToday	Cover	Cover	06-06-2007		0 / 0	Work
Missing PPF	J07-0209	20PagesToday	Text	Text	06-06-2007		0 / 0	Perfi

Now the PPF's are generated by a 3rd Party prepress workflow and are saved in the PPF-Hotfolder. The PPF Handler displays the new PPF's...

Status	Job Number	Job Name ↑	Sheet	Creation Date	No. of separations
OK	J07-0209	20PagesToday 4/-	Cover	10-06-2021	4 / 0
OK	J07-0209	20PagesToday 4/4	Text	10-06-2021	4 / 4

... and will merge it to the job => jobs available at the Press Center.

Status	Job Number	Job Name ↑	Sheet	Sheet Description	Creation Date	Process	No. of separati
Data available for printing	J07-0209	20PagesToday	Cover	Cover	06-06-2007	SM74-5L_JC	4 / 0
Data available for printing	J07-0209	20PagesToday	Text	Text	06-06-2007	XL105-8P5	4 / 4

### "Create new sheet" can now be activated or deactivated

1. Activated "Create new sheet" => PPF defined sheets which are not JDF defined are processed.

XL105-8-P5L\_JC

XL105-8P5

XL106-6L-6033

XL106-6L-HEIPC40848

- Create job from PPF
- Create new sheet
- Consider paper size for color profile calculation
- Remove paper from prepress

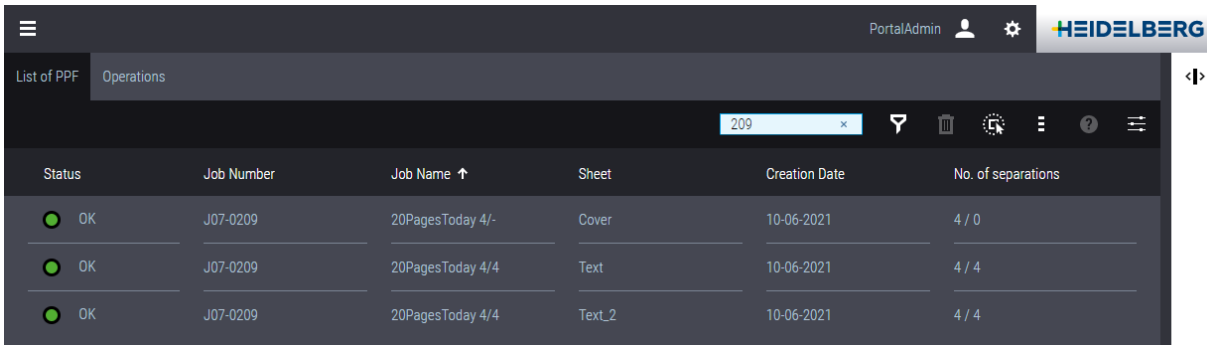
Replace existing sheets: Replace surfac...

Default Color for unknown Colors: ■ ■ ■

PPF Encoding: ISO-8859-1

## 2 PPF Combiner - PPF Handler

In this condition incoming PPF's are processed automatically even when the JDF has not defined these operations.

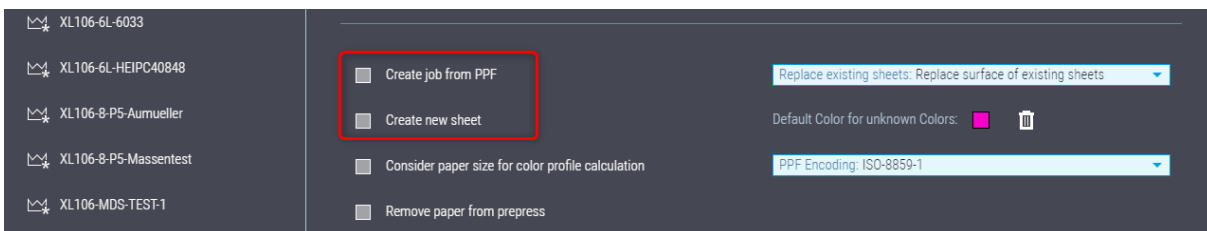


Status	Job Number	Job Name ↑	Sheet	Creation Date	No. of separations
OK	J07-0209	20PagesToday 4/-	Cover	10-06-2021	4 / 0
OK	J07-0209	20PagesToday 4/4	Text	10-06-2021	4 / 4
OK	J07-0209	20PagesToday 4/4	Text_2	10-06-2021	4 / 4

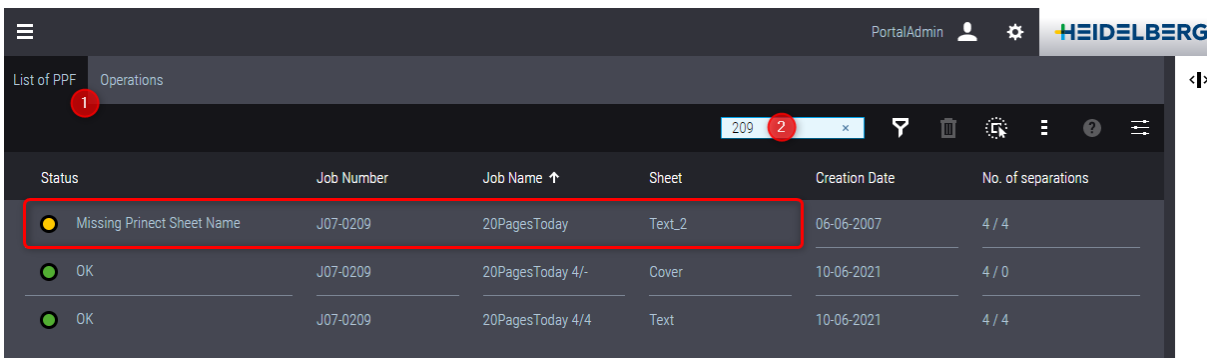


**Note:** This process is available in the job and at the Press Center, but we would not have amounts or correct links to the postpress process network, because the sheet was not defined in the JDF or repaired by Planning Assistant.

2. Deactivated "Create new sheet" => PPF defined sheets which are not JDF defined will stop.



When 3rd Party prepress will generate a additional sheet which was not defined in the JDF => the PPF Handler will stop the PPF.



Status	Job Number	Job Name ↑	Sheet	Creation Date	No. of separations
Missing Prinect Sheet Name	J07-0209	20PagesToday	Text_2	06-06-2007	4 / 4
OK	J07-0209	20PagesToday 4/-	Cover	10-06-2021	4 / 0
OK	J07-0209	20PagesToday 4/4	Text	10-06-2021	4 / 4

In this condition it is possible to delete (4) or to process (5) this sheet manually.

The screenshot displays the Heidelberg PPF Handler interface. On the left, a 'List of PPF Operations' table shows three entries. The first entry, 'Missing Prinect Sheet Name', is highlighted in orange and has a red '3' next to it. The other two entries are 'OK' with green status indicators. The right pane shows the details for 'Sheet: Text\_2', including job number 'J07-0209', sheet name 'Text\_2', job name '20PagesToday', customer 'ViewegGmbH', and creation date '06-06-2007'. Below this, there are 'Surfaces' for 'Front' and 'Back', each showing a preview of a printed page. At the bottom, there are color and mark selection options for Black, Cyan, Magenta, and Yellow, each with a dropdown menu and a visibility icon. A 'Process' button with a red '5' is located at the bottom right of the sheet details pane. A red '4' is placed over the delete icon in the top right of the sheet details pane.



**Note:** When we process this sheet the operations is available in the job and at the Press Center, but we would not have amounts or correct links to the postpress process network, because the sheet was not defined in the JDF or repaired by Planning Assistant.

### 2.2.3 Consider paper size for color profile calculation

#### Motivation

Especially in web printing we are using Ink Scavenger Marks (Farbabnahmestreifen) to optimize water ink balance on the edges of the plate to clean up the rubber.

The Scavenger Marks are outside of the paper but inside of the printable area.

We normally want to calculate only paper related areas for the Ink profile.

### 2.2.4 Remove paper from prepress

#### Motivation

We recommend to use this setting in the JDF/PPF Level 2 and 3 workflow, because we want to take the paper definition from the MIS-JDF

In the PPF workflow we can remove the paper definition when the paper (size, grammar, grade, thickness...) is not defined correctly in the PPF.

## 2 PPF Combiner - PPF Handler

### 2.2.5 Replace existing Sheets

#### Motivation

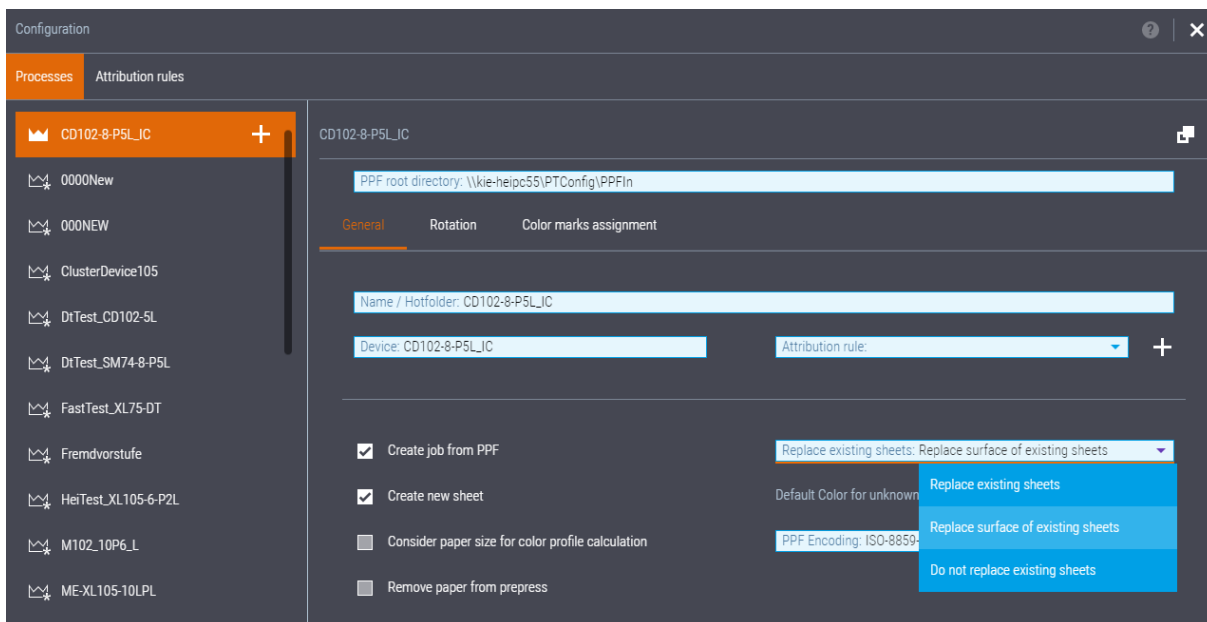
For some 3rd Party Prepress workflows we have to combine PPF's

- when they are writing separated PPF files
- when Front & Back were sent as separate files
- when the user is sending a new sheet color in a separate PPF

We recommend to get composite PPF's from 3rd Party Prepress systems.

#### Description

We have 3 choices to replace existing sheets.



#### For the PPF Workflow we recommend 2 settings:

- Replace existing sheets => the latest sent PPF-sheet will overwrite earlier sent sheets.
- Replace existing surfaces => color changes via PPF including color removal.

#### For the JDF/PPF Workflow we recommend 2 settings:

- Replace existing surfaces => color changes via PPF including color removal.
- Do not replace existing sheets => when separation splitting via JDF is in use (one sheet printed in 2 runs).



**Note:** In the JDF/PPF workflow we never should use "Replace existing sheets", because we would lose the JDF defined sheet definitions (quantity, paper definitions like grammar, grade, thickness...).

## 2.2.6 Default Color for unknown Colors

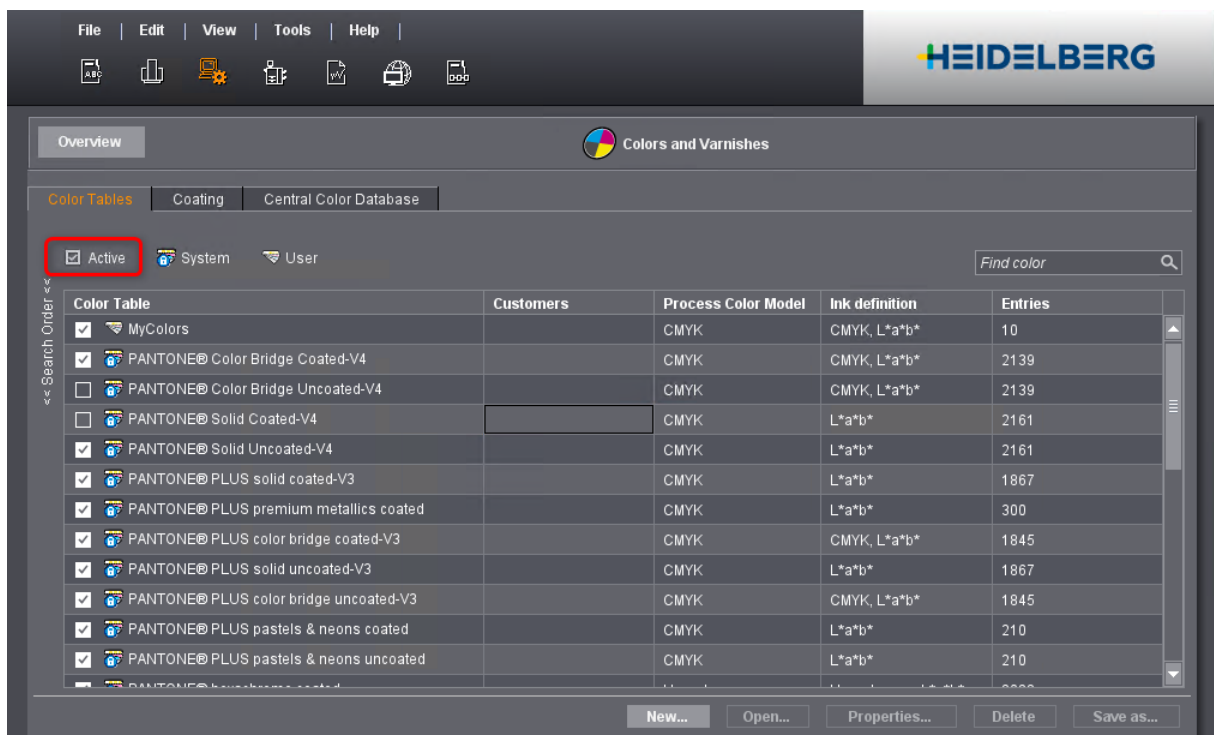
### Motivation

PPF defined colors are always searched in "Cockpit > Administration > Colors and Varnishes > Color Tables" and used for preview generation.



**Note:** The searching is always in use for the PPF workflow, even when the global Cockpit settings "Take color definitions for new colors from color tables" is deactivated.

Inactive "Color Tables" are not in use!

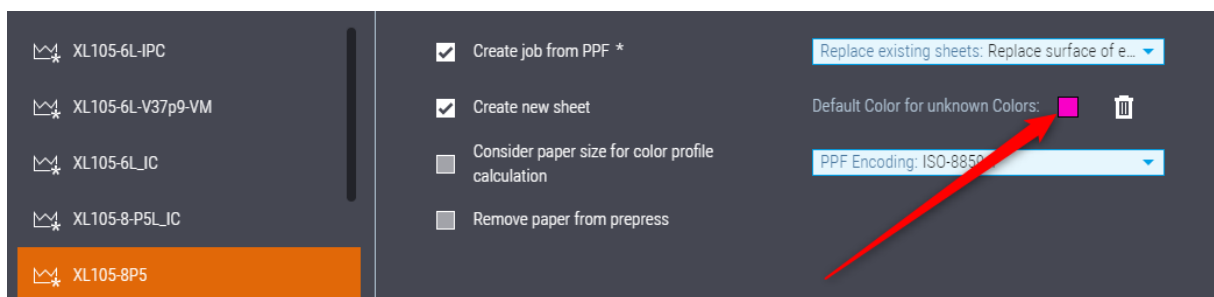


### Description

Customers are using 2 different behaviors to handle unknown colors:

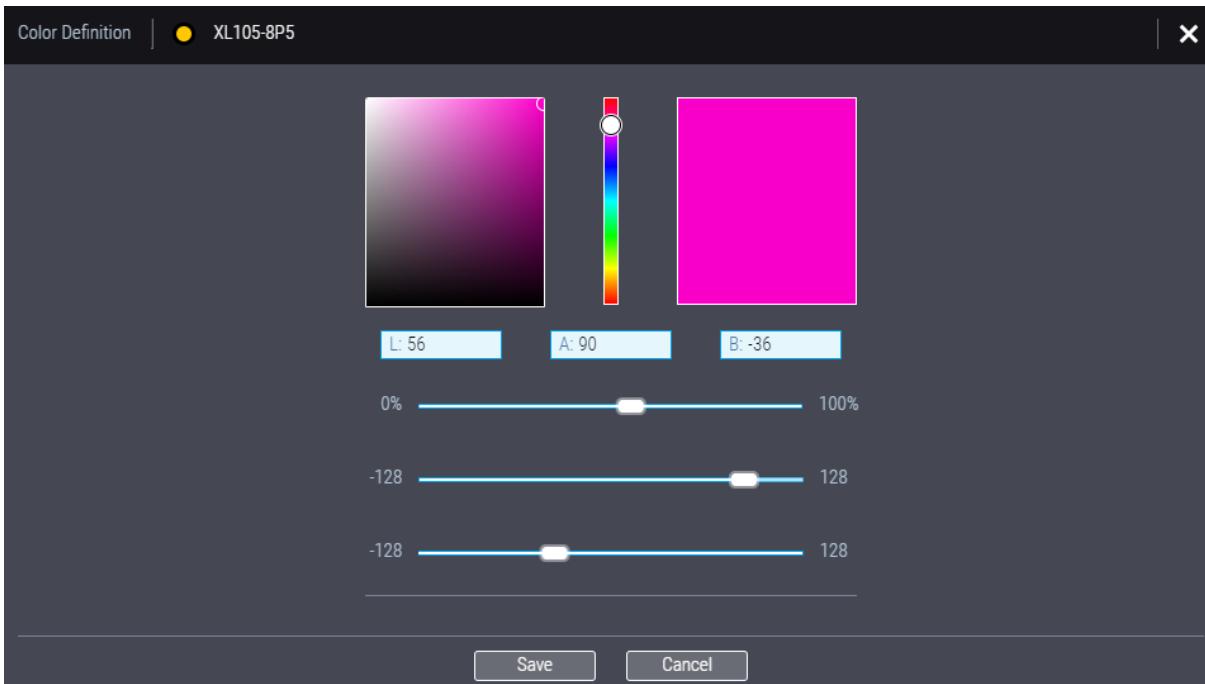
- Use default color for unknown colors - no interaction for unknown colors required
- Do not use default color for unknown colors - interaction for unknown colors required

#### 1. Use default color - we can define...



## 2 PPF Combiner - PPF Handler

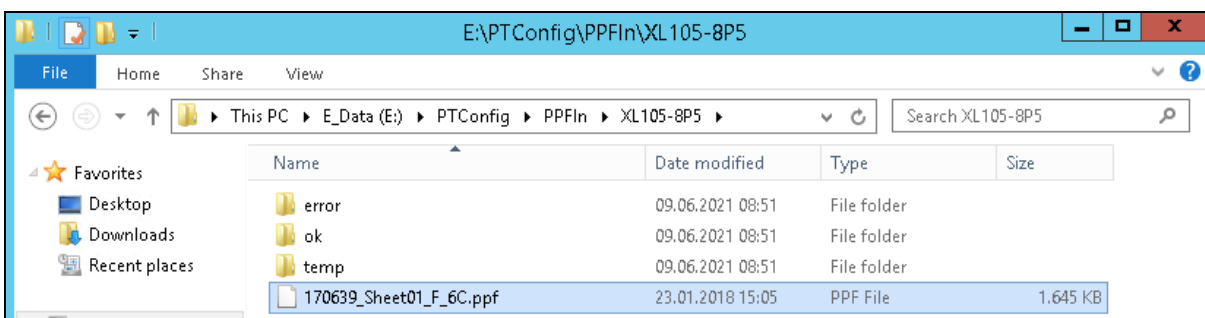
... a default color for unknown colors.



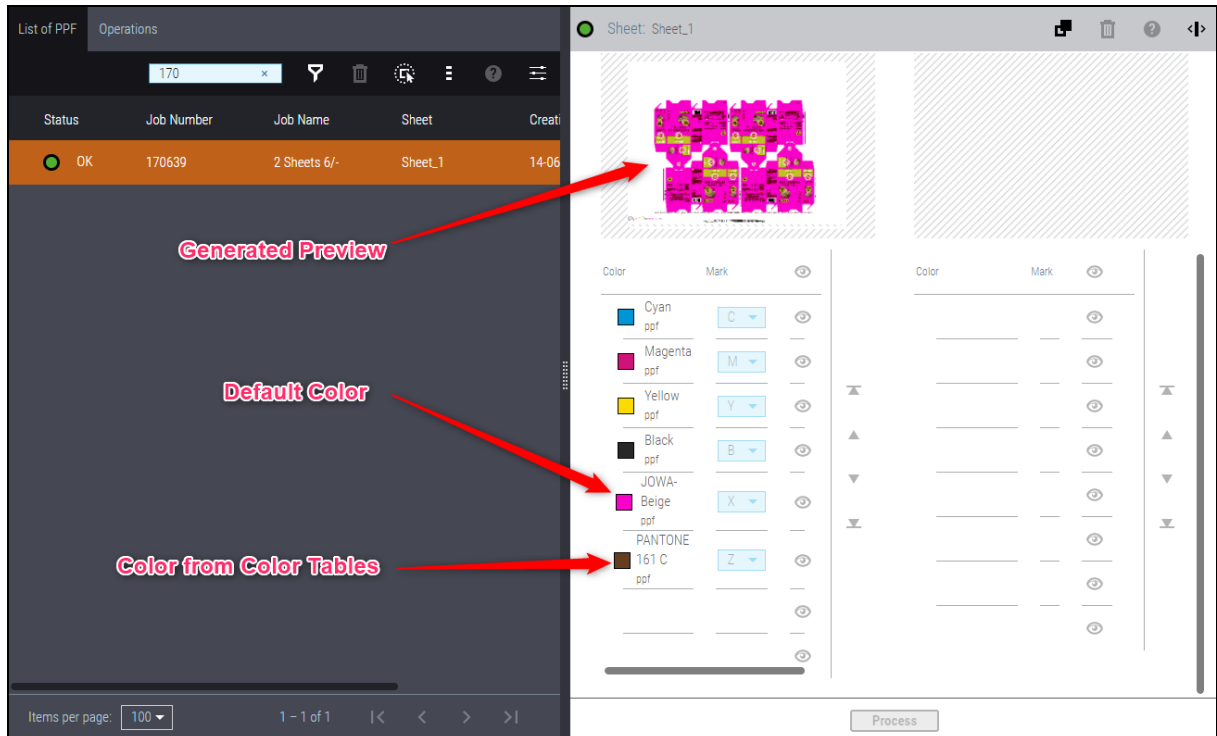
When we drop such a PPF file...

```
1  %!PS-Adobe-3.0
2  %%CIP3-File Version 3.0
3  %ääİÖ
4
5  CIP3BeginSheet
6  /CIP3AdmJobName (2 Sheets) def
7  /CIP3AdmSheetName (Sheet_2) def
8  /CIP3AdmPSExtent [105.500000 cm 81.100000 cm] def
9  /CIP3TransferFilmCurveData [0.0 0.0 1.0 1.0] def
10 /CIP3TransferPlateCurveData [0.0 0.0 1.0 1.0] def
11 /CIP3AdmCopyright (Esko BVBA) def
12 /CIP3AdmCreationTime (Di Jan 23 14:43:55 2018) def
13 /CIP3AdmJobCode (170639) def
14 /CIP3AdmSoftware (Esko Automation Engine) def
15
16 CIP3BeginFront
17 /CIP3AdmSeparationNames [ (Cyan) (Magenta) (Yellow) (Black) (JOWA-Beige) (PANTONE 161 C) ] def
18 CIP3BeginPreviewImage
19
20 CIP3BeginSeparation
21 /CIP3PreviewImageWidth 2991 def
```

in the hotfolder...



... the spot color "Pantone 161 C" was taken from the "Color Tables" and because "JOWA Beige" was not defined in the "Color Tables" the "Default Color" from the PPF Handler configuration was used for preview generation.



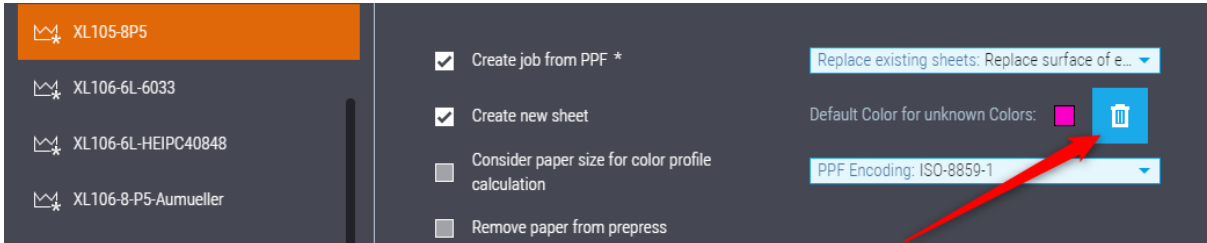
**Results:**

- + The job is available at the Press Center without any interaction
- + The color order of the PPF is used
- + The color mark is correctly defined
- The unknown spot color is wrong displayed at the Press Center

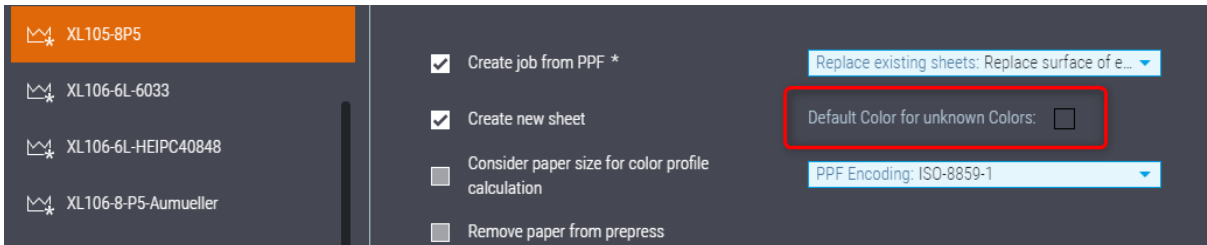
## 2 PPF Combiner - PPF Handler

### 2. Do not use default color for unknown colors

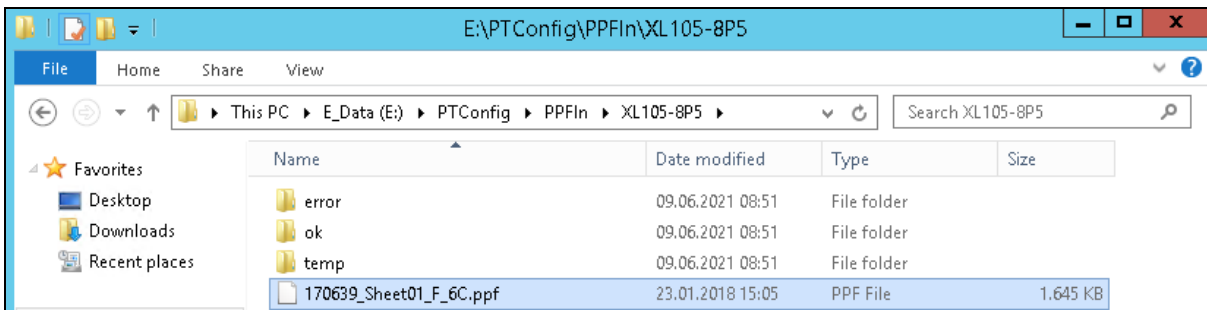
This is very often in use for packaging customers which wants to define the correctly spot color for preview generation.



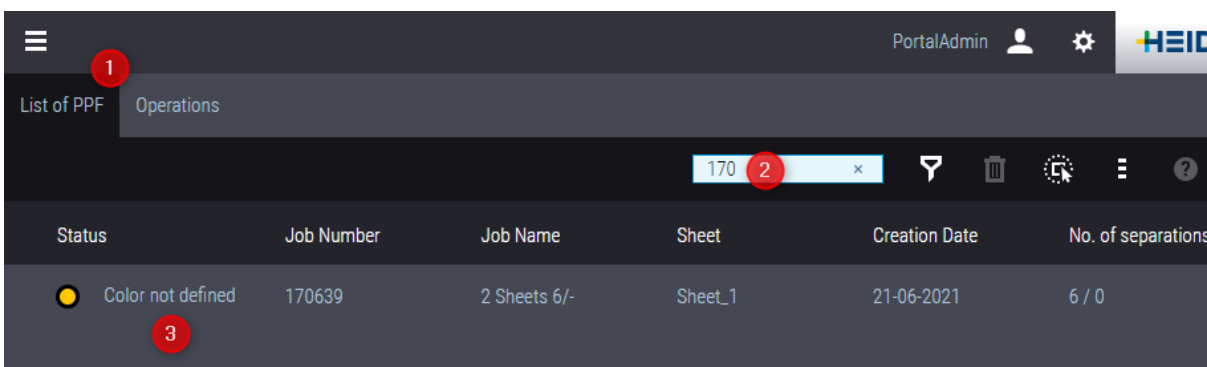
In this condition the PPF Handler does only use "Cockpit > Administration > Colors and Varnishes > Color Tables" for preview generation.



When we now drop a PPF file with "Pantone 161 C" and "JOWA Beige" into the hotfolder...



... the PPF will stop in the PPF Handler and wait for spot color definition.



**Note:** How to handle these color we describe in 2.3.5 PPF Modification - Unknown Colors.

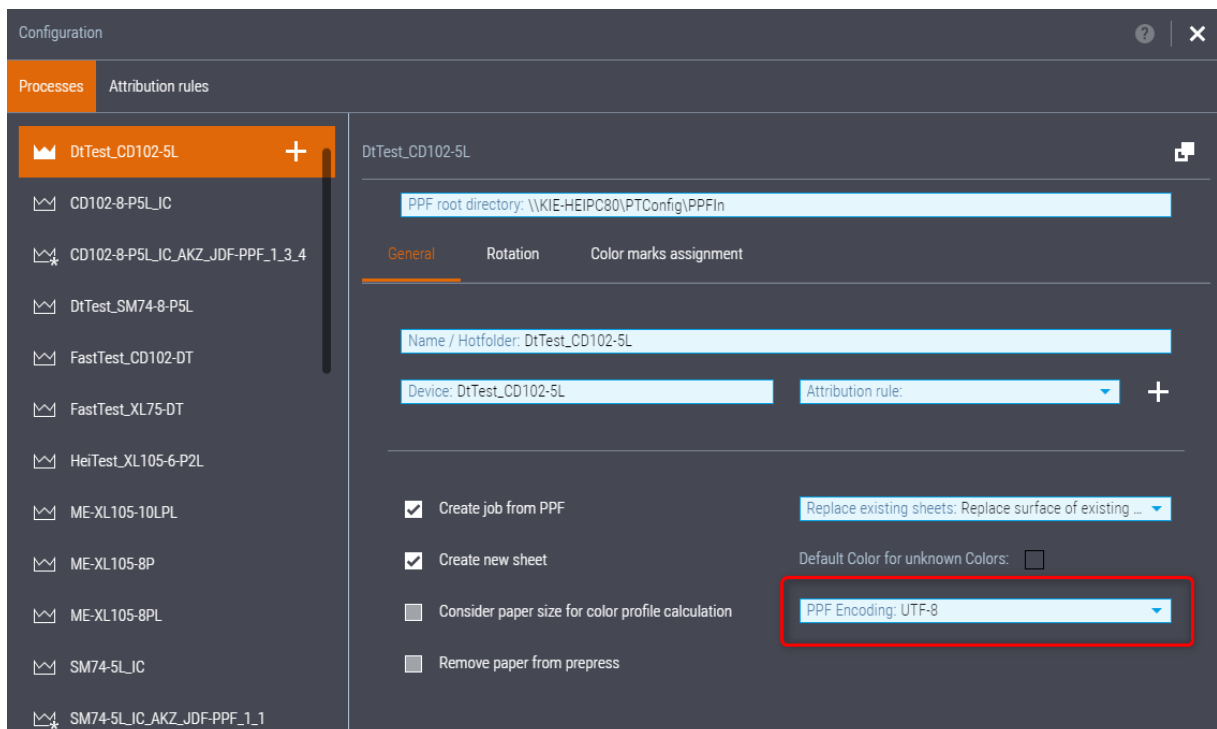
### 2.2.7 Code Page Synchronization

The code page defines a character encoding to display special language characters in the PPF correctly in Cockpit and Press Center.

Language	Code Page	Norm
UCS Transformation Format	65001	UTF-8
Western European	1252	ISO 8859-1
Western Europe +	1252	ISO 8859-15
Central European	1250	ISO 8859-2
Cyrillic	1251	ISO 8859-5
Arabic	1256	ISO 8859-6
Greek	1253	ISO 8859-7
Turkish	1254	ISO 8859-9
Japanese	932	DBCS - double-byte character set
Simple Chinese	936	DBCS - double-byte character set
Traditional Chinese	950	DBCS - double-byte character set
Korean	949	DBCS - double-byte character set

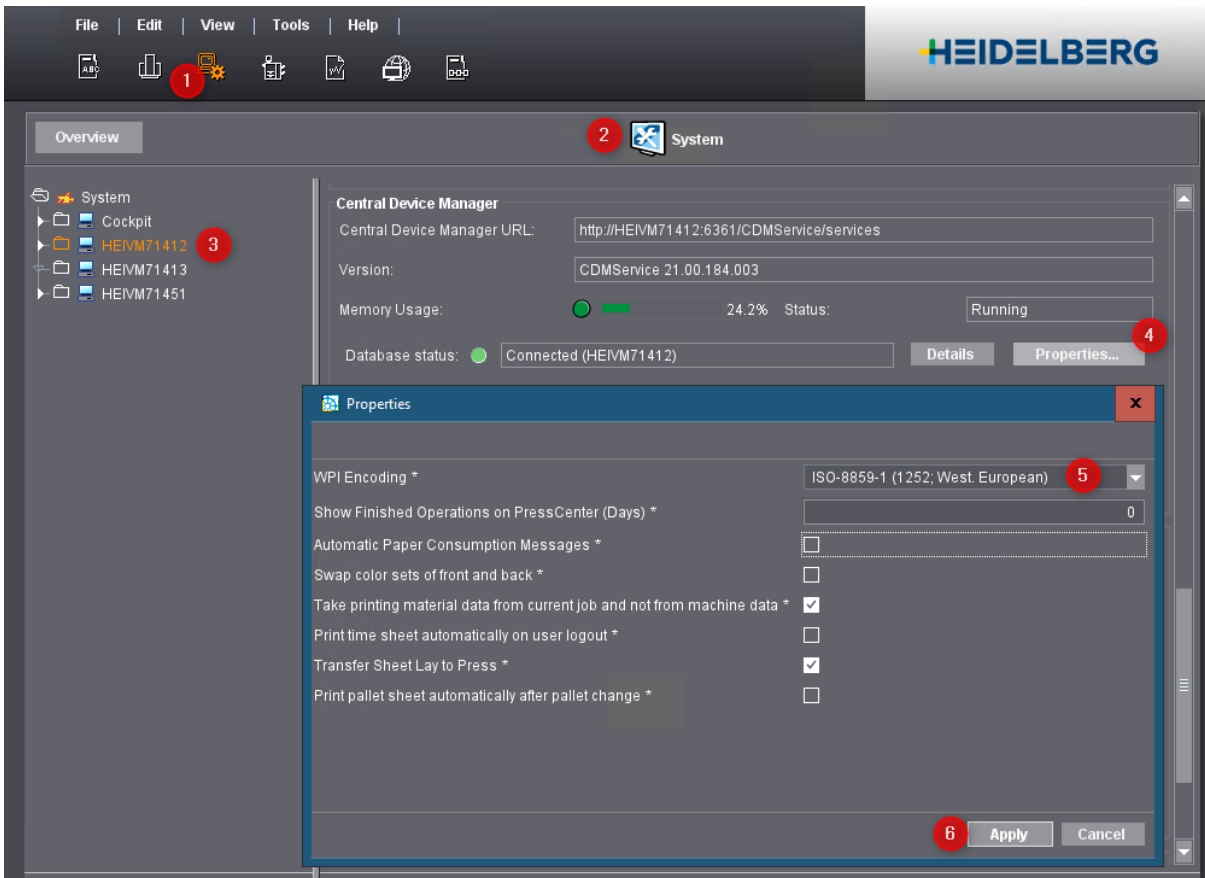
### Description

We must define the code page in the PPF Handler,...



## 2 PPF Combiner - PPF Handler

... in the CDM (Central Device Manager) Properties, and...



... at the Press Center "Data Storage Configuration".



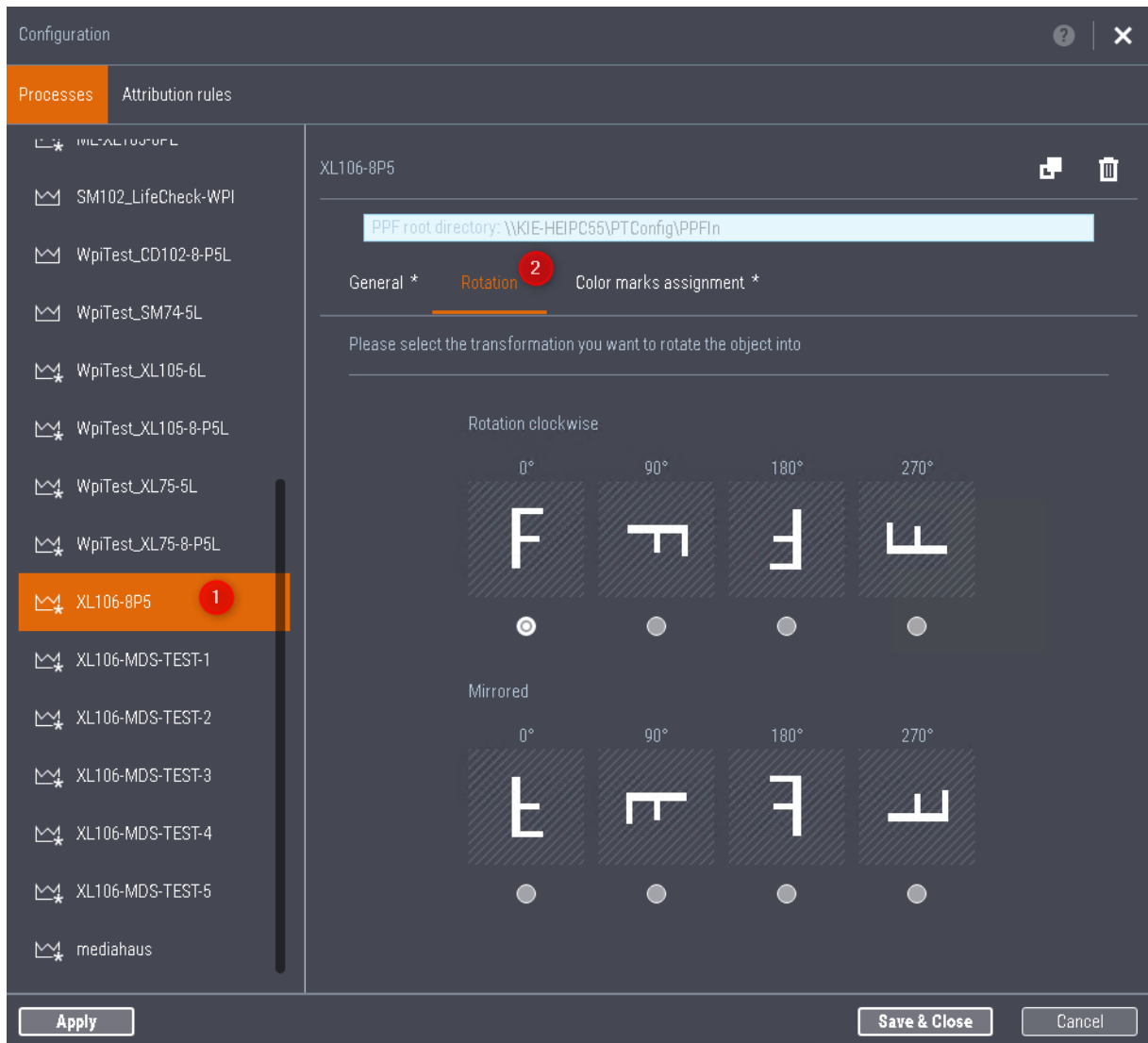
## 2.2.8 Rotation

### Motivation

In some 3rd Party Prepress workflow systems it might be necessary to rotate or mirror the sheet.

### Description

It is possible to define a rotation / mirroring individually for every hotfolder.



## 2 PPF Combiner - PPF Handler

### 2.2.9 Color Marks Assignment

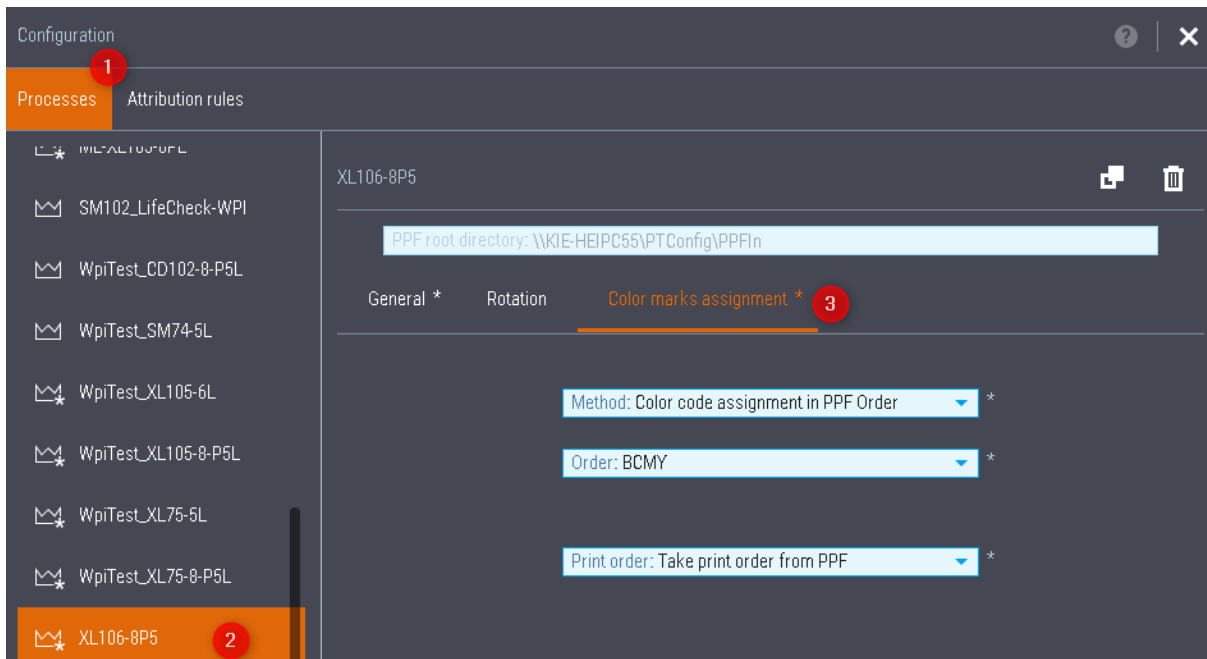
#### Motivation

Especially for spot color jobs customer wants to use the Heidelberg Dipco Marks to assign colors to the color bar and the press units.

#### Description

**Setup 1:** This new setting is working only with the new PPF Handler.

Color code assignment in PPF Order. The "Order" can be also CMYB.



It was implemented especially for packaging customers with ESKO workflow.

**Aligned color sequence (from prepress to the press)**

B C M Y X Z U V S1 S2 B C M Y X Z U V S1 S2 B C M Y X Z U V S1 S2 B C M Y X Z U V S1

**Our motivation:**  
Color bar & color allocation at the Speedmaster is using the marks order B-C-M-Y-X-Z-U-V-S1-...

Especially in Packaging we have to print spot colors.

**The solution:**  
We are using the color order of the PPF to assign spot colors to color marks & color units at the press.

```
./ppfassignment  
/CIP3AdminSeparationNames [ (Cyan) (GR4598) (OR4483) (BL4599) (BL4603) (SI0911) (RE4744) ] def  
/IP3BeoinPreviewImage
```

**PPF Import setting in Prinect: Version 2021.10**

- „Color code assignment in PPF order“
- „Take print order from PPF“

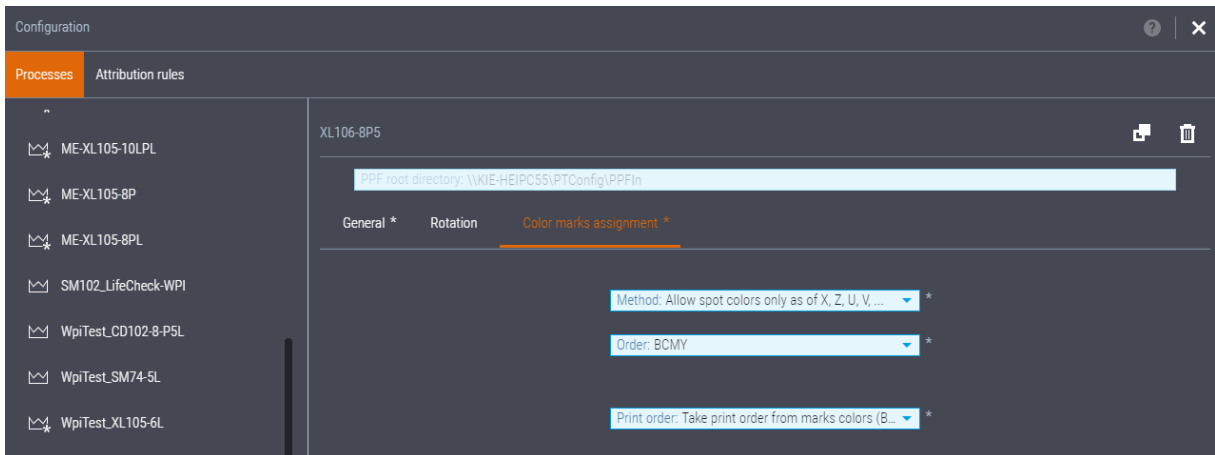
**Minimum requirement for ESKO: Version 21-03**

Front

Color	Mark	Visibility
Cyan ppf	B	Visible
GR4598 ppf	C	Visible
OR4483 ppf	M	Visible
BL4599 ppf	Y	Visible
BL4603 ppf	X	Visible
SI0911 ppf	Z	Visible
RE4744 ppf	U	Visible

**Setup 2:** A classic set for commercial print shops.

Allow spot colors only as of XZUV... The "Order" can be defined CMYB too.



**Setup 3:** A classic set for packaging customers.

Allow spot colors for BCMY. The "Order" can be defined CMYB too.



**Note:** In chapter "2.3.8 PPF Modification - Change Marks Assignment" we describe how to assign colors manually to the color bar.

## 2 PPF Combiner - PPF Handler

### 2.2.10 Attribution Rules - File Name Tokening

#### Motivation

In the PPF specification it is only necessary to define:

- CIP3AdmJobName = Job name
- CIP3AdmPSExtend = Plate size
- CIP3AdmSepName = Separation

We can take information from PPF-filename and from PPF-content to create jobs and operations.

#### Description

In this PPF we miss the sheet name and the job name.

```
180100_2Sheets_Sheet01_F.ppf
1  %!PS-Adobe-3.0
2  %%CIP3-File Version 3.0
3  %%aIO
4
5  CIP3BeginSheet
6  /CIP3AdmJobName (2 Sheets) def
7  /CIP3AdmSheetName () def
8  /CIP3AdmPSExtent [105.500000 cm 81.100000 cm] def
9  /CIP3TransferFilmCurveData [0.0 0.0 1.0 1.0] def
10 /CIP3TransferPlateCurveData [0.0 0.0 1.0 1.0] def
11 /CIP3AdmCopyright (Esko BVBA) def
12 /CIP3AdmCreationTime (Di Jan 23 14:43:55 2018) def
13 /CIP3AdmJobCode () def
14 /CIP3AdmSoftware (Esko Automation Engine) def
15
16 CIP3BeginFront
17 /CIP3AdmSeparationNames [ (Cyan) (Magenta) (Yellow) (Black) (JOWA-Beige) (PANTONE 161 C) ] def
18 CIP3BeginPreviewImage
19
20 CIP3BeginSeparation
21 /CIP3PreviewImageWidth 2991 def
22 /CIP3PreviewImageHeight 2299 def
23 /CIP3PreviewImageBitsPerComp 8 def
24 /CIP3PreviewImageComponents 1 def
25 /CIP3PreviewImageMatrix [2991 0 0 -2299 0 2299] def
26 /CIP3PreviewImageResolution [72 72] def
27 /CIP3PreviewImageCompression /RunLengthDecode def
28 /CIP3PreviewImageEncoding /Binary def
```

After dropping this file in the PPF hotfolder the job would stay in this condition and we can edit the missing information manually.

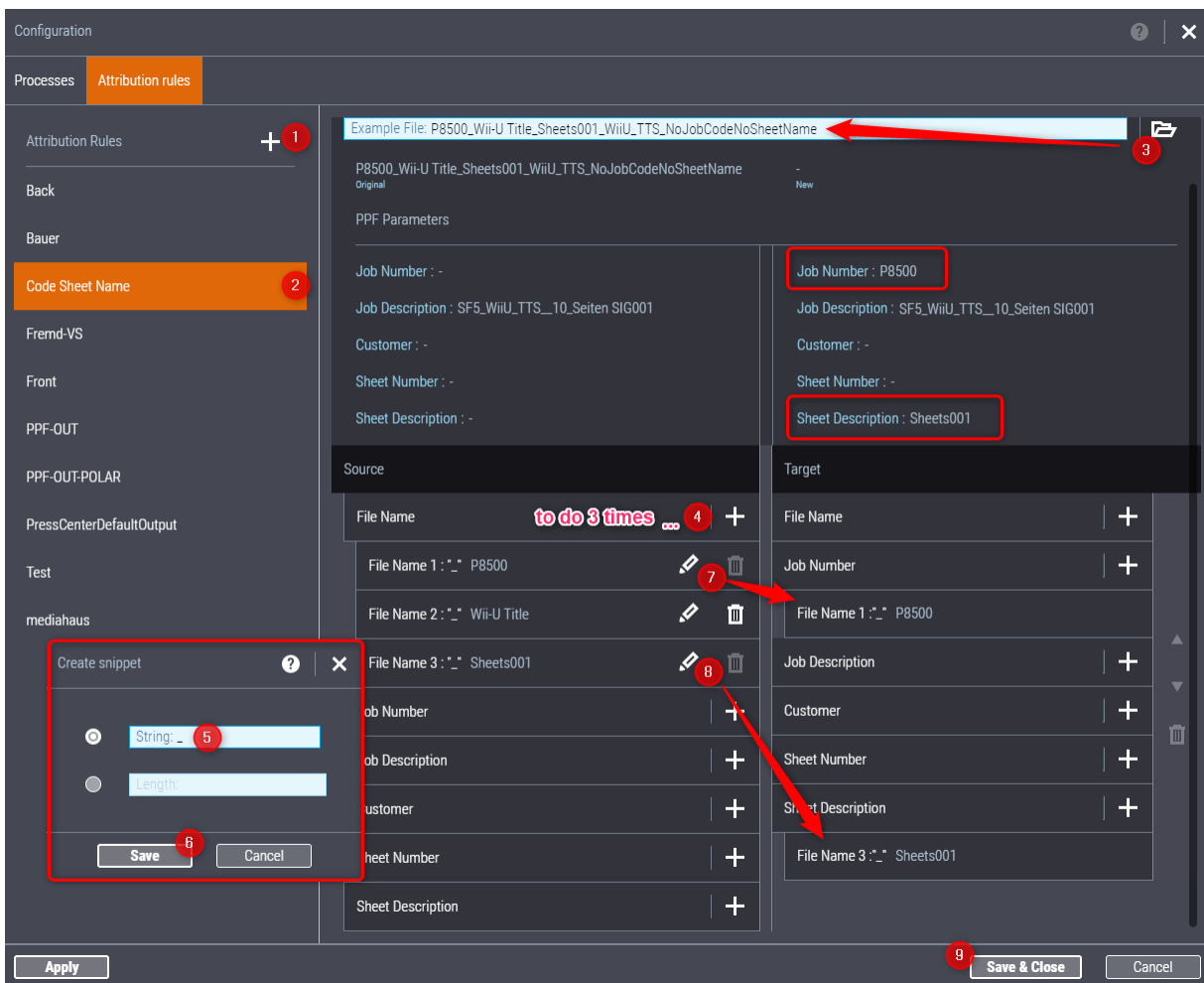
Status	Job Number	Job Name	Sheet	Creation Date	No. of separations
OK	170639	2 Sheets 6/-	Sheet_1	21-06-2021	6 / 0
OK	170700	2 Sheets 6/-	Sheet_1	21-06-2021	6 / 0
Color not defined	170639	2 Sheets	Sheet_1	21-06-2021	6 / 0
Missing PPF Job Number		2 Sheets 6/-	_undefined_sheet!!!	21-06-2021	6 / 0

We can configure a "Attribution rule" for an automatically job run, when the missing information is inside the file name!

1-3 After we create a new "Attribution rule" we can browse for an example PPF file.

4-6 We can divide the filename with strings in separate File Name blocks.

7-8 These blocks are to assign per drag & drop to the missing parameters.

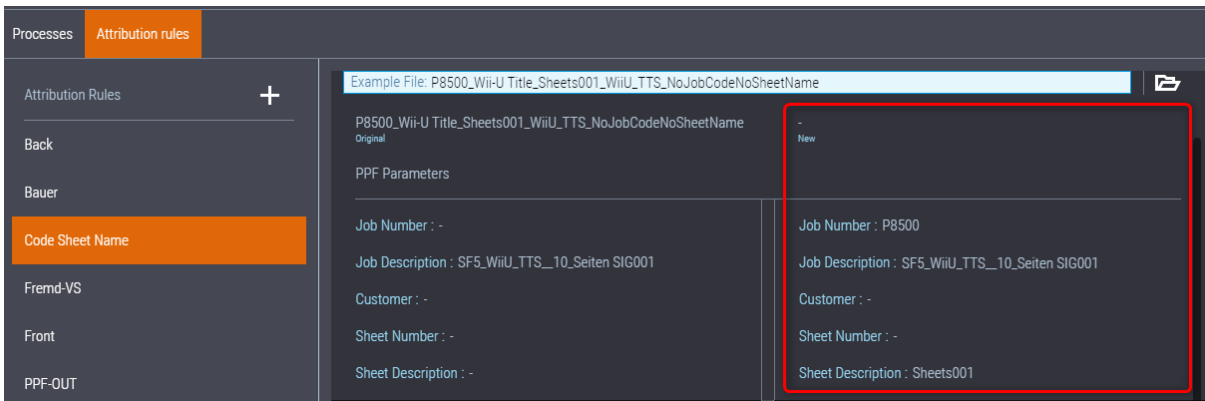


**Note:** The dialog is still under construction and we will have some changes:

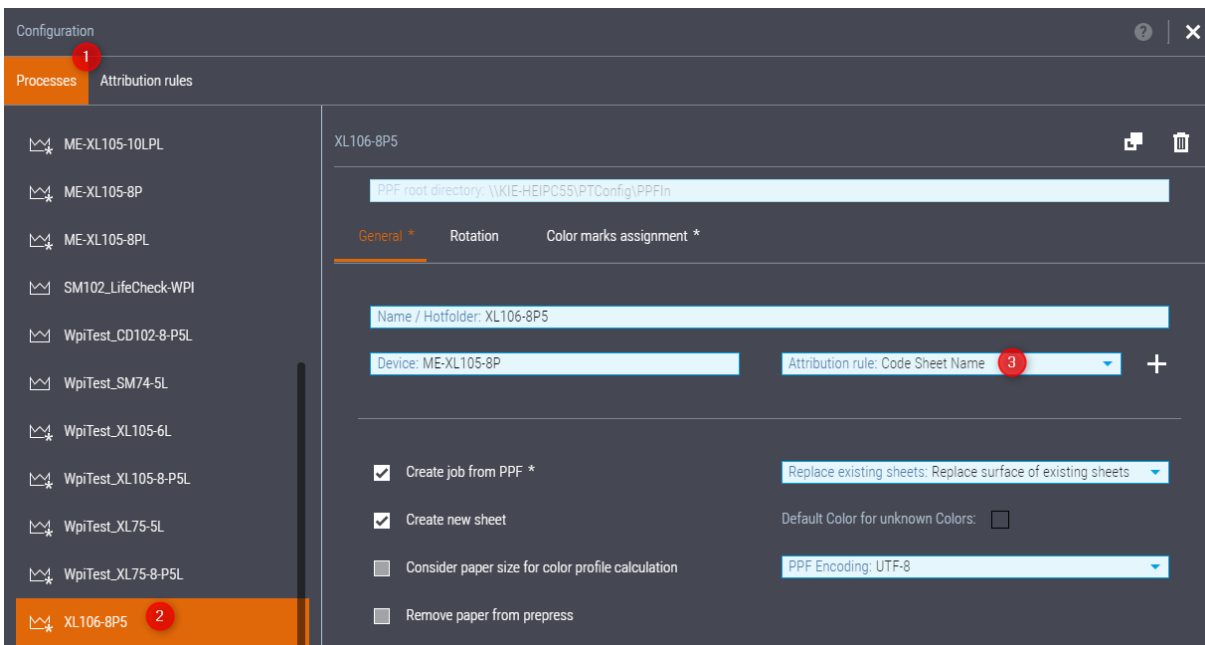
- Job Description => Job Name
- Sheet Number => Sheet Name
- + Version Name
- + Version Description

## 2 PPF Combiner - PPF Handler

The final result is displayed on the right side.



After saving this rule we can use it in the processes.



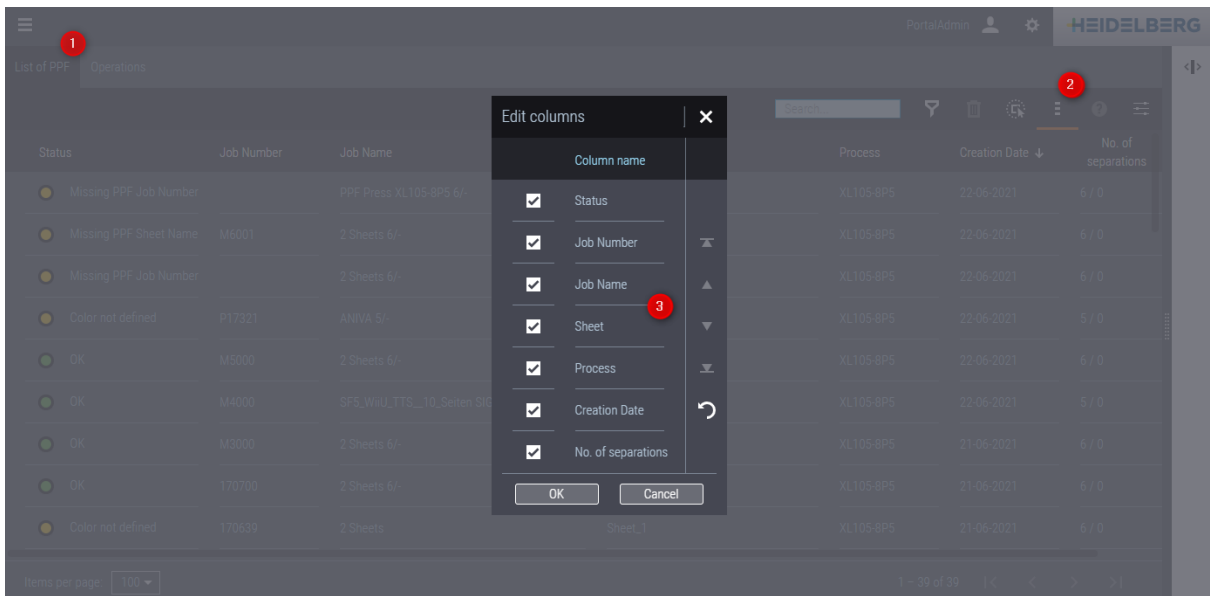
## 2.3 List of PPF

The "List of PPF" displays all incoming PPF's.

### 2.3.1 PPF Tool Bar

#### 2.3.1.1 Columns

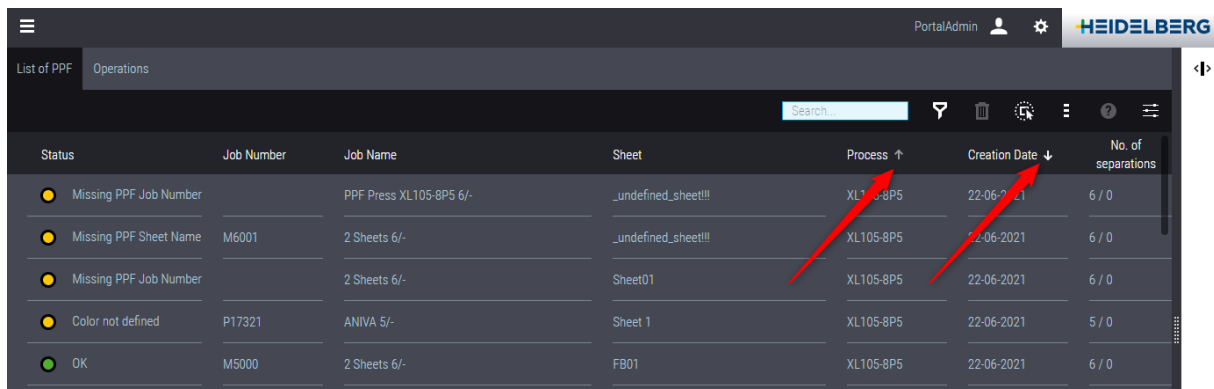
In the "Burger menu" we can activate / deactivate columns and define the order.



#### 2.3.1.2 Sorting

We can use sorting in every column:

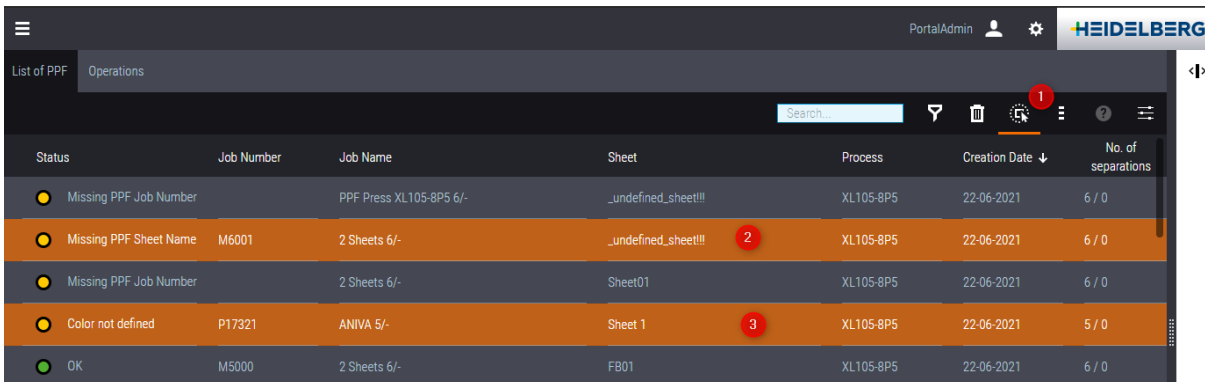
- The selected column is displayed by a white arrow.
- A mouse over at other columns displays hidden arrows as a gray arrow.



## 2 PPF Combiner - PPF Handler

### 2.3.1.3 Multi-selection

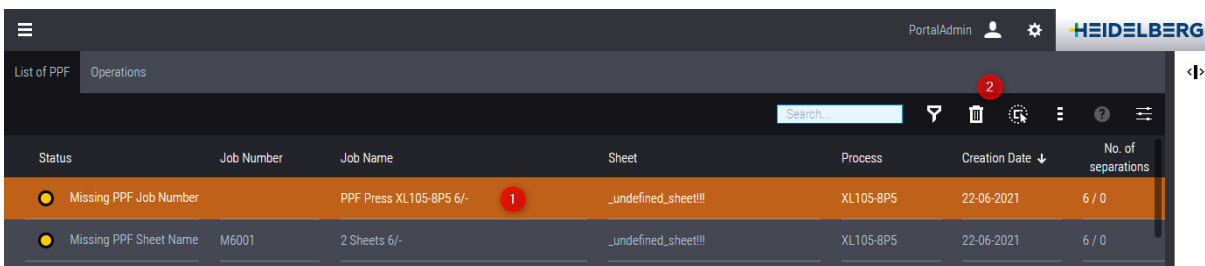
Especially for Tablet user we have implemented a multi-selection button.



Status	Job Number	Job Name	Sheet	Process	Creation Date	No. of separations
Missing PPF Job Number		PPF Press XL105-8P5 6/-	_undefined_sheet!!!	XL105-8P5	22-06-2021	6 / 0
Missing PPF Sheet Name	M6001	2 Sheets 6/-	_undefined_sheet!!!	XL105-8P5	22-06-2021	6 / 0
Missing PPF Job Number		2 Sheets 6/-	Sheet01	XL105-8P5	22-06-2021	6 / 0
Color not defined	P17321	ANIVA 5/-	Sheet 1	XL105-8P5	22-06-2021	5 / 0
OK	M5000	2 Sheets 6/-	FB01	XL105-8P5	22-06-2021	6 / 0

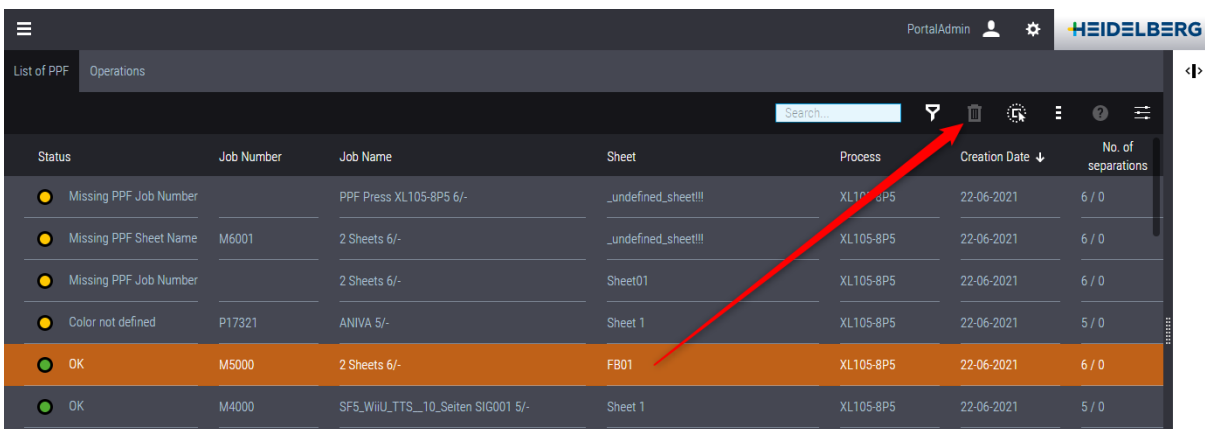
### 2.3.1.4 Delete

It is possible to delete unprocessed PPF's.



Status	Job Number	Job Name	Sheet	Process	Creation Date	No. of separations
Missing PPF Job Number		PPF Press XL105-8P5 6/-	_undefined_sheet!!!	XL105-8P5	22-06-2021	6 / 0
Missing PPF Sheet Name	M6001	2 Sheets 6/-	_undefined_sheet!!!	XL105-8P5	22-06-2021	6 / 0

When a PPF was processed (an operation was created from this PPF), we cannot delete the PPF. The PPF will be deleted automatically after the press operation or the Job was finished.



Status	Job Number	Job Name	Sheet	Process	Creation Date	No. of separations
Missing PPF Job Number		PPF Press XL105-8P5 6/-	_undefined_sheet!!!	XL105-8P5	22-06-2021	6 / 0
Missing PPF Sheet Name	M6001	2 Sheets 6/-	_undefined_sheet!!!	XL105-8P5	22-06-2021	6 / 0
Missing PPF Job Number		2 Sheets 6/-	Sheet01	XL105-8P5	22-06-2021	6 / 0
Color not defined	P17321	ANIVA 5/-	Sheet 1	XL105-8P5	22-06-2021	5 / 0
OK	M5000	2 Sheets 6/-	FB01	XL105-8P5	22-06-2021	6 / 0
OK	M4000	SF5_WiU_TTS_10_Seiten SIG001 5/-	Sheet 1	XL105-8P5	22-06-2021	5 / 0



**Note:** An internal copy of the processed PPF is inside of the job: `.\jobhome\System\Connector\PPFCache`.

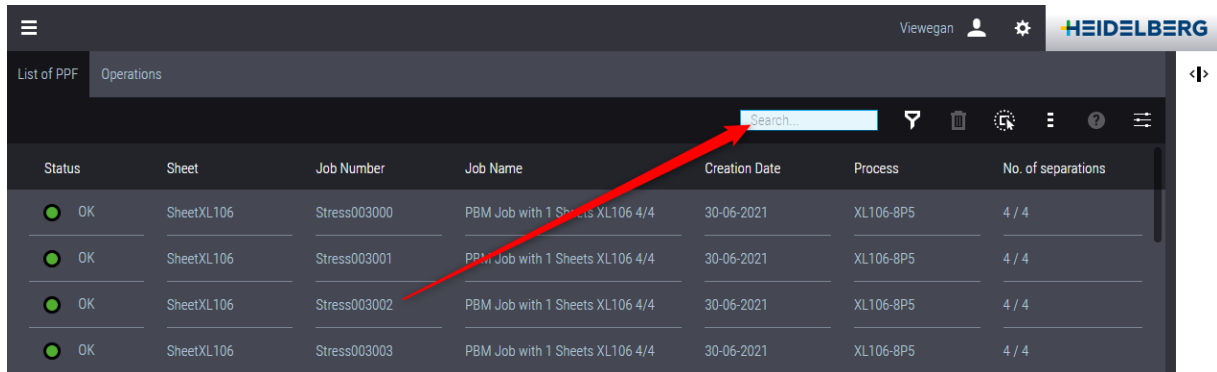
### 2.3.2 PPF Quick Search

#### Motivation

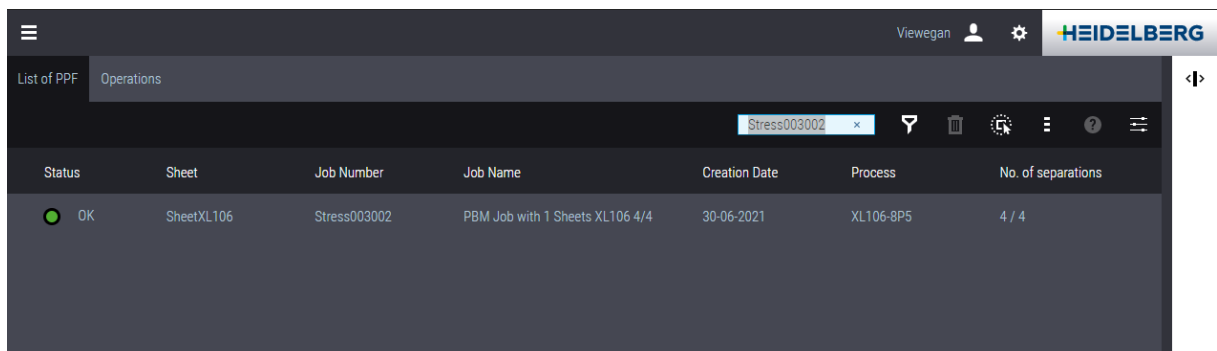
It must be possible to search for PPF jobs.

#### Description

We can drag & drop an existing PPF into the Quick Search menu or we can type it in manually.



**Result:** All PPF's with the same Job Number are filtered.



## 2 PPF Combiner - PPF Handler

### 2.3.3 PPF Filter

#### Motivation

Customer wants to filter all incoming PPF's with missing information.

#### PPF's in the "Status Error"

- PPF Parser Error: A PPF is not correctly written to the specification

#### PPF's in the "Status Warning":

- Invalid Prinect Job: For JDF/PPF workflow only - the JDF Job cannot accept PPF's, because the job is in a wrong condition - in the trash, canceled or finished.
- Missing PPF Job Number: PPF Workflow and JDF Workflow - no Job number in PPF
- Missing PPF Sheet Name: PPF Workflow and JDF Workflow - no Sheet name in PPF
- Color not defined: Unknown spot color - no default color is defined in PPF Import Configuration
- Missing Prinect Job Number: For JDF/PPF workflow only - no matching Job exists in the Cockpit
- Missing Prinect Sheet Name: For JDF/PPF workflow only, when no matching Sheet exists in the Cockpit

**PPF's in status Error and Warning - only these PPF's are to edit and to process again!**

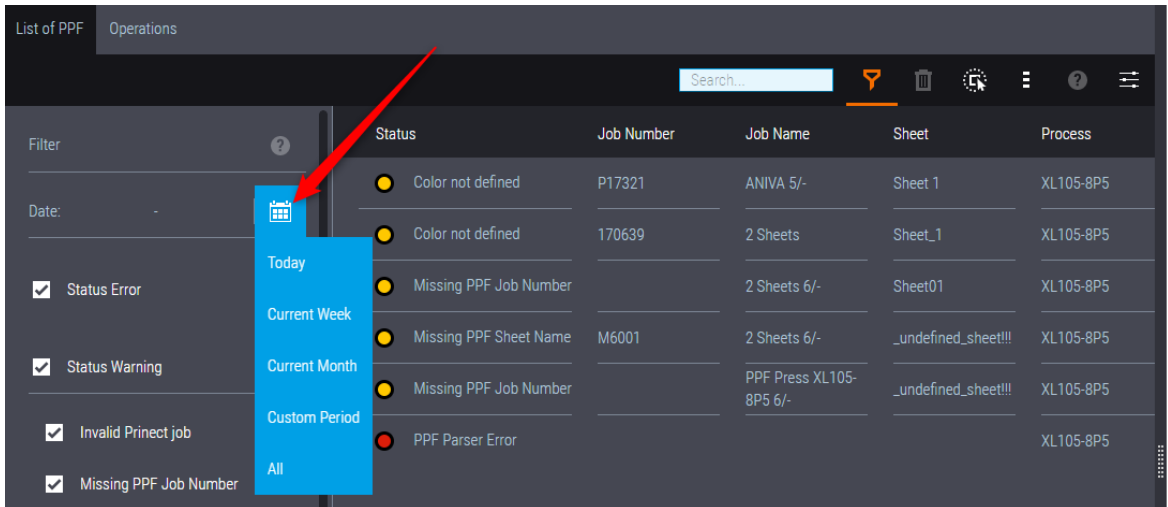
The screenshot shows the 'List of PPF' interface with a filter sidebar on the left and a table of PPFs on the right. The filter sidebar has checkboxes for 'Status Error' (2 items), 'Status Warning' (3 items), and 'Status OK' (1 item). The table lists PPFs with columns for Status, Job Number, Job Name, Sheet, and Process. The status icons are yellow for warnings and red for errors.

Status	Job Number	Job Name	Sheet	Process
Color not defined	P17321	ANIVA 5/-	Sheet 1	XL105-8P5
Color not defined	170639	2 Sheets	Sheet_1	XL105-8P5
Missing PPF Job Number		2 Sheets 6/-	Sheet01	XL105-8P5
Missing PPF Sheet Name	M6001	2 Sheets 6/-	_undefined_sheet!!!	XL105-8P5
Missing PPF Job Number		PPF Press XL105-8P5 6/-	_undefined_sheet!!!	XL105-8P5
PPF Parser Error				XL105-8P5



**Note:** PPF's in "Status OK" are to edit via "Duplicate Sheet" - chapter 2.3.6.

We can define different periods for filtering.



In the next chapters we will solve issues on jobs in status Warning.

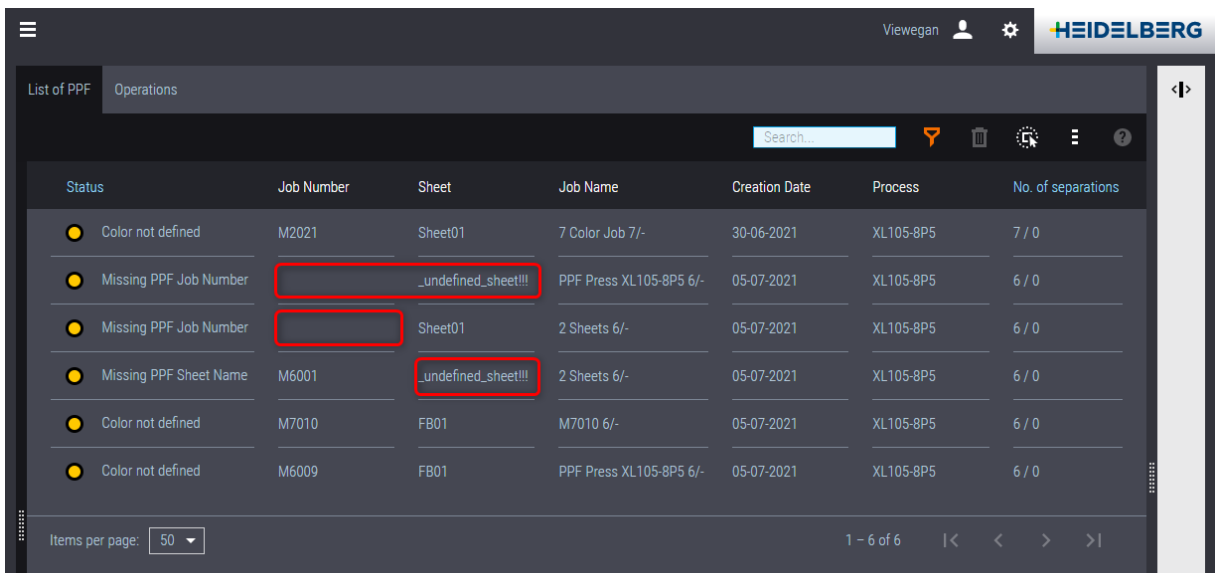
### 2.3.4 PPF Modification - Rename Job Number / Sheet Name

#### Motivation

PPF's without job code (number) or sheet name cannot be processed automatically without a "Attribution rule". These PPF's we have to edit manually.

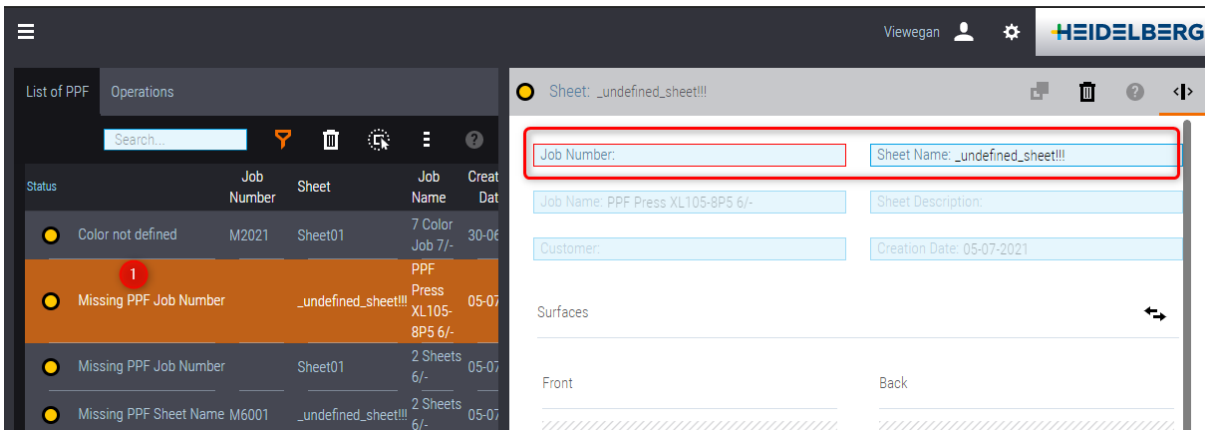
#### Description

In this condition the PPF Handler needs a job number and a sheet name.

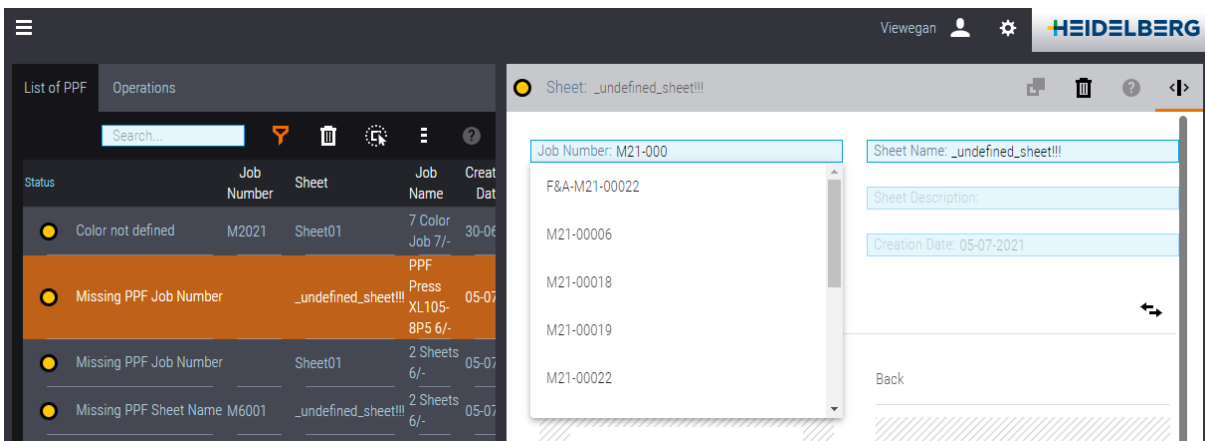


## 2 PPF Combiner - PPF Handler

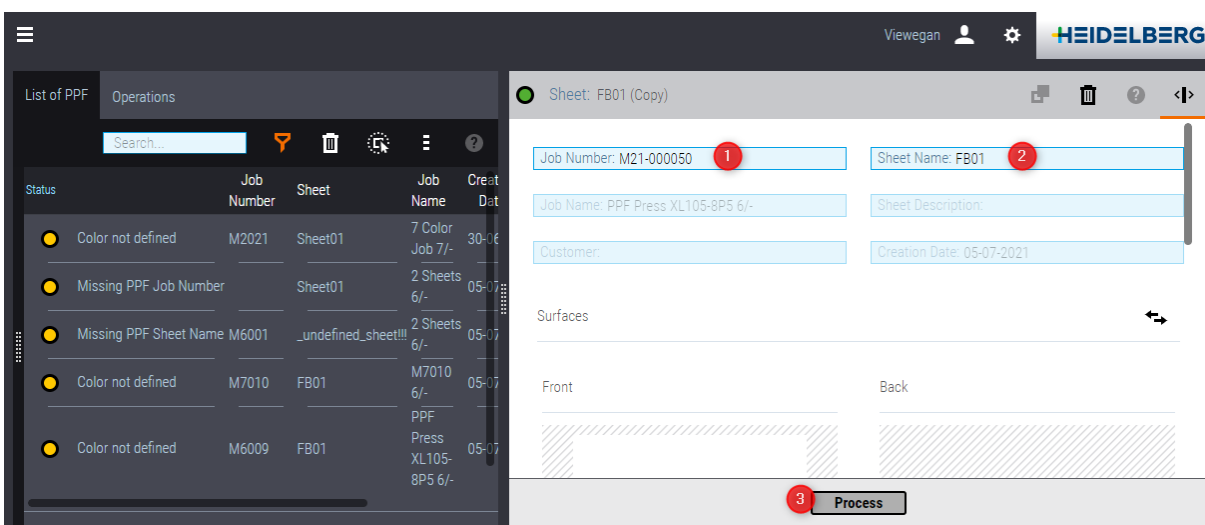
In this dialog we can define the job number manually.



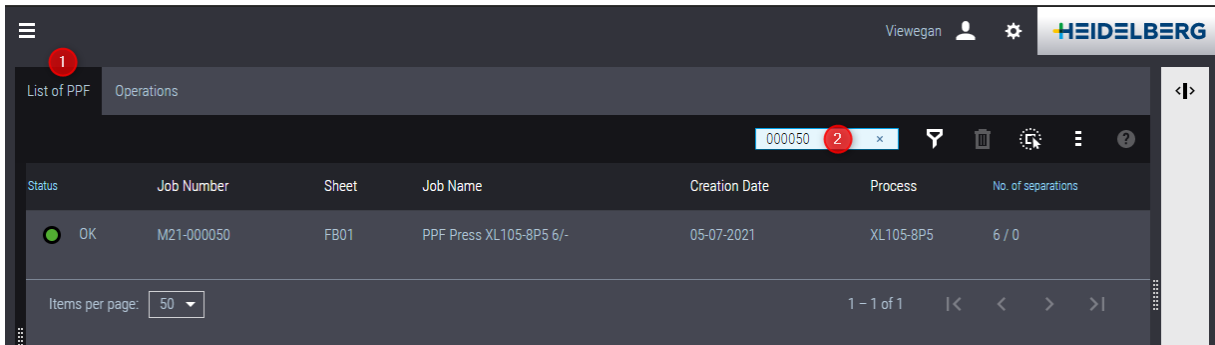
The PPF Handler will show us all job numbers which are existing at the system.



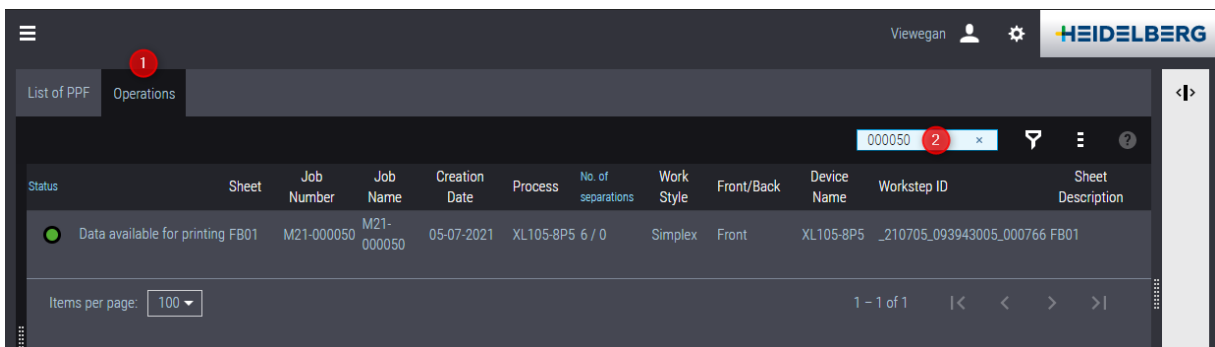
After we have defined a job number and a sheet name we can process the PPF.



After processing the PPF is in status OK and...



... available as an operation. A job with an sheetfed printing process was created in the Prinect Cockpit and the operation is available at the press Center.



## 2 PPF Combiner - PPF Handler

### 2.3.5 PPF Modification - Unknown Color

#### Motivation

Some customers want to define "unknown colors" for the Press Center display correctly and not automatically by a default color.

#### Description

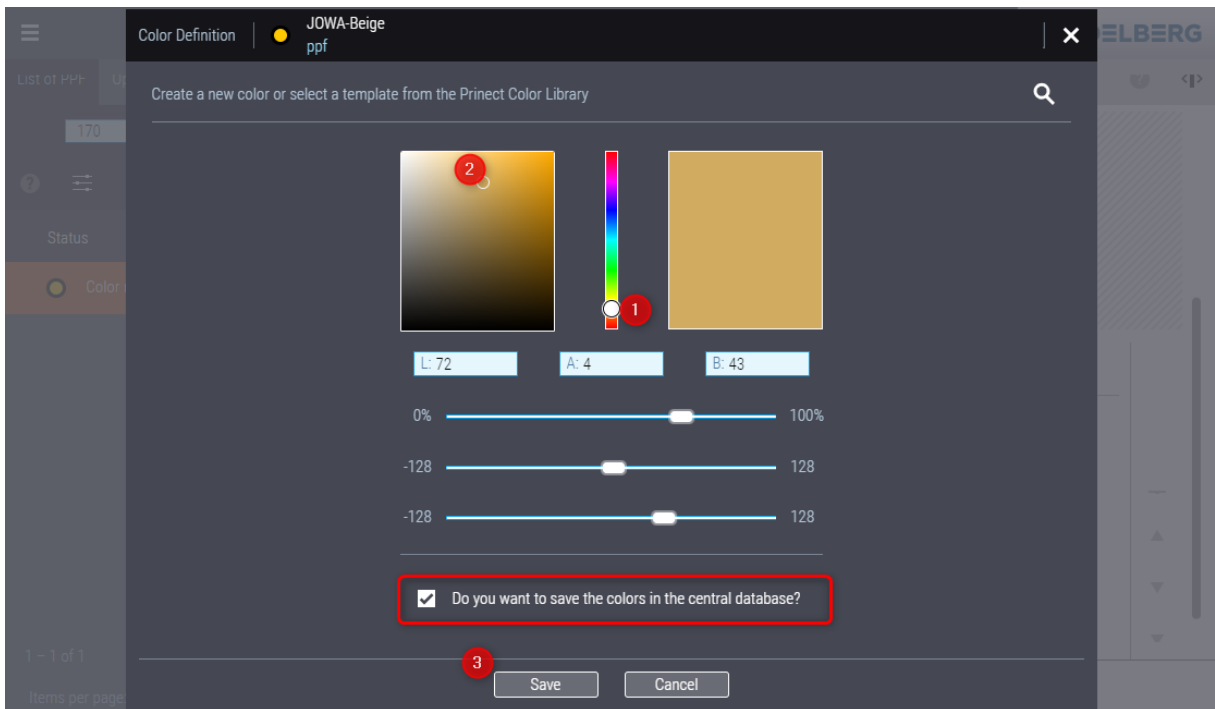
We can define the missing spot color...

The screenshot displays the Heidelberg PortalAdmin interface for editing a PPF (Prepress File Format) sheet. The main window is titled 'Sheet: FB01' and shows a 'Surfaces' section with 'Front' and 'Back' views. The 'Front' view displays a grid of color swatches. Below the grid is a color selection panel with columns for 'Color', 'Mark', and a visibility toggle. The 'Color' column lists various spot colors: Cyan ppf (C), Magenta ppf (M), Yellow ppf (Y), Black ppf (B), JOWA-Beige defaultColor (X), and PANTONE 161 C ppf (Z). A warning icon (yellow triangle with exclamation mark) is next to the 'JOWA-Beige defaultColor' entry, indicating a missing or undefined color. The 'Back' view is currently empty. The sidebar on the left shows a table of PPF items with columns for Status, Sheet, and Job Number. The first item is highlighted in orange and has a red circle with the number '1' next to it. The second item is also highlighted in orange. The bottom of the sidebar shows pagination information: '1 - 2 of 2' and 'Items per page: 100'. The top right corner of the interface shows the user 'PortalAdmin' and the Heidelberg logo.



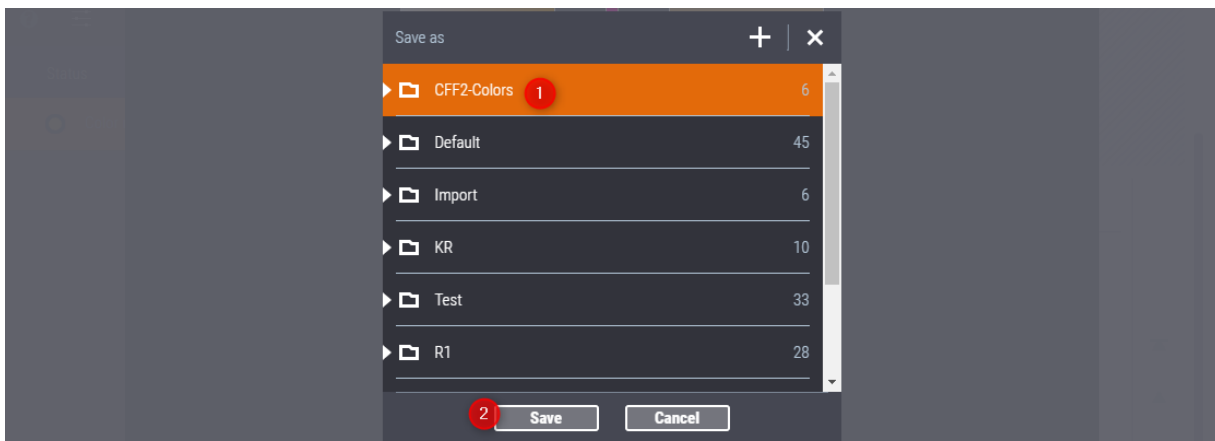
**Note:** At the moment we displayed a missing spot color in "rainbow colors"(7/2021).

... in the PPF Handler and save it into a "Color Table".



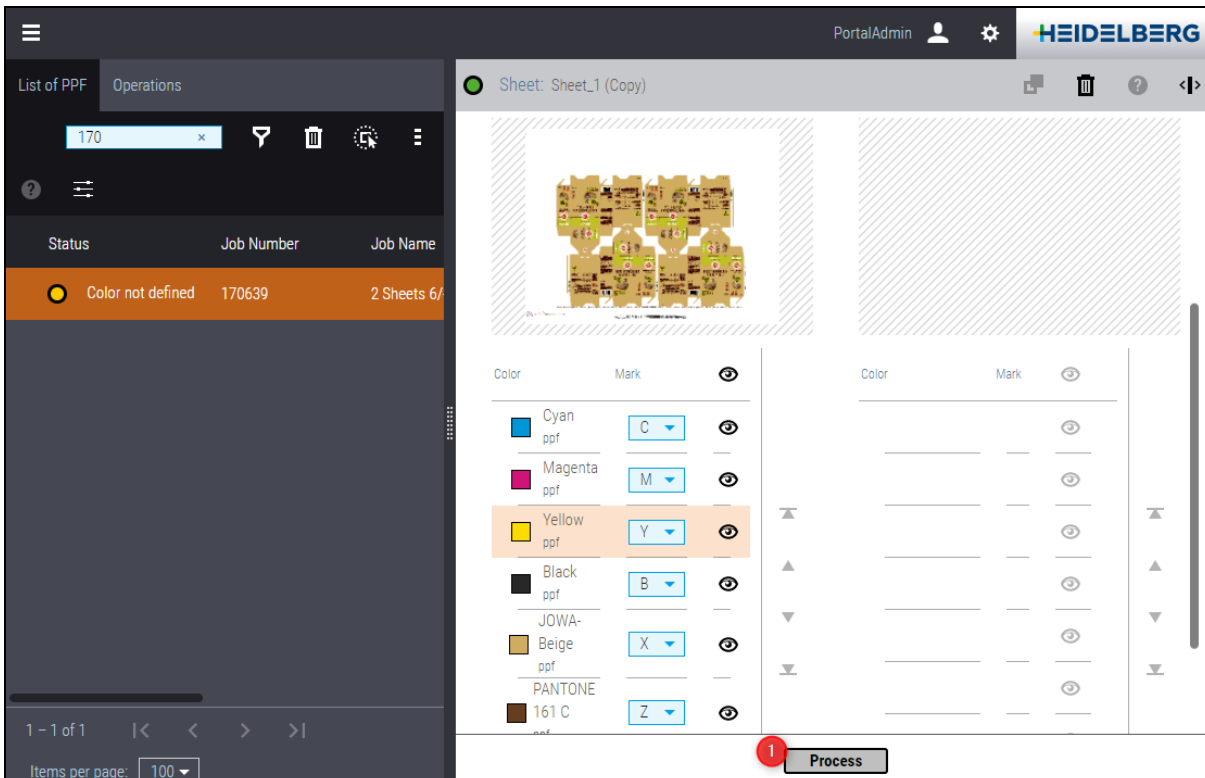
**i** **Note:** It is planned to have an CMYK and an RGB Color picker in this window.

We can save it in an existing color table folder or with the "+" symbol create a new folder.



## 2 PPF Combiner - PPF Handler

After definition we can "Process" the PPF.

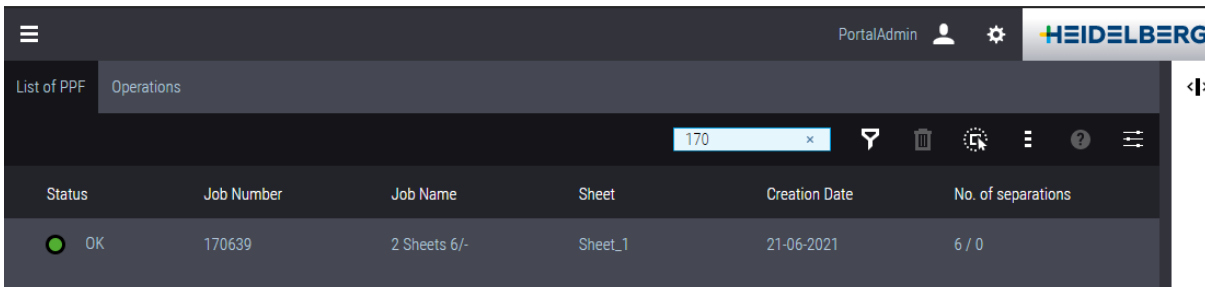


The screenshot shows the Heidelberg software interface. On the left, the 'List of PPF' table has one entry with status 'Color not defined'. The main area shows a preview of a sheet with a yellow pattern. Below the preview is a color selection table with 'Yellow ppf' selected. A red circle highlights the 'Process' button at the bottom right.

Status	Job Number	Job Name
Color not defined	170639	2 Sheets 6/

Color	Mark	Eye
Cyan ppf	C	Eye
Magenta ppf	M	Eye
Yellow ppf	Y	Eye
Black ppf	B	Eye
JOWA-Beige ppf	X	Eye
PANTONE 161 C ppf	Z	Eye

After processing the PPF has changed the status to "OK". In this condition we can find the job in the List of operations and in the Cockpit. The operation is now at the Press Center available.



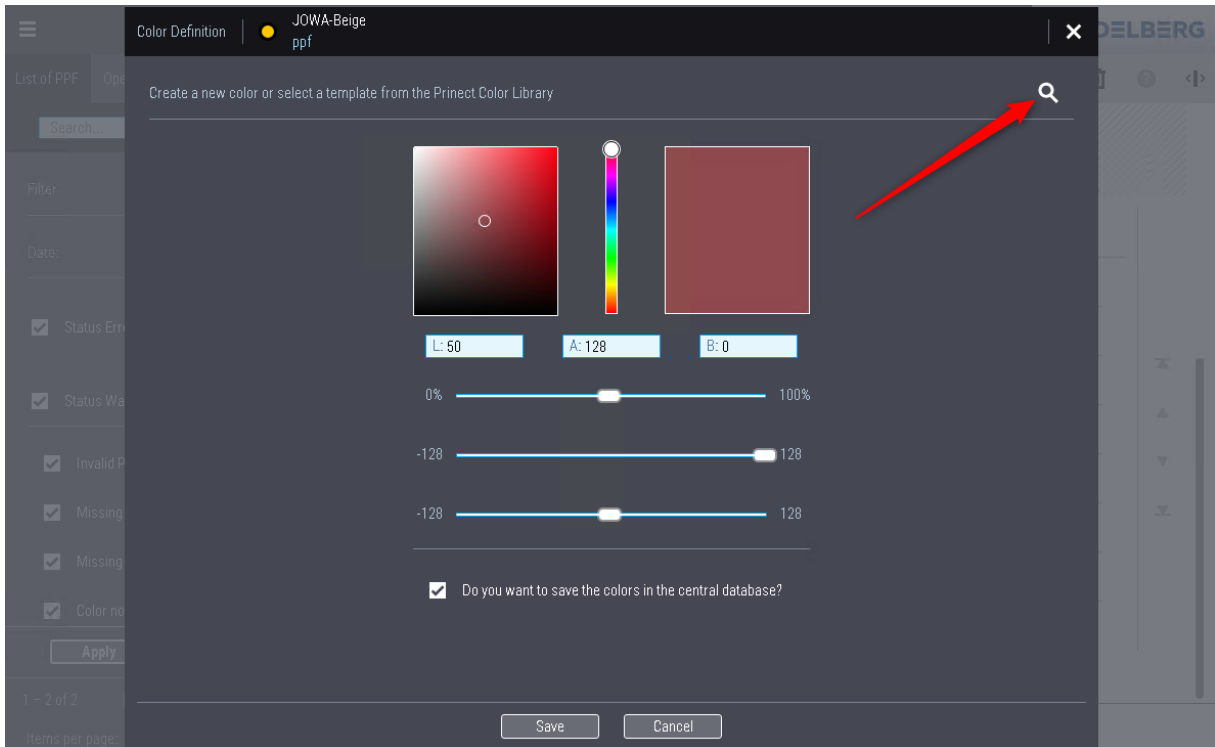
The screenshot shows the Heidelberg software interface. The 'List of PPF' table now shows the job with status 'OK'. The main area is empty.

Status	Job Number	Job Name	Sheet	Creation Date	No. of separations
OK	170639	2 Sheets 6/-	Sheet_1	21-06-2021	6 / 0

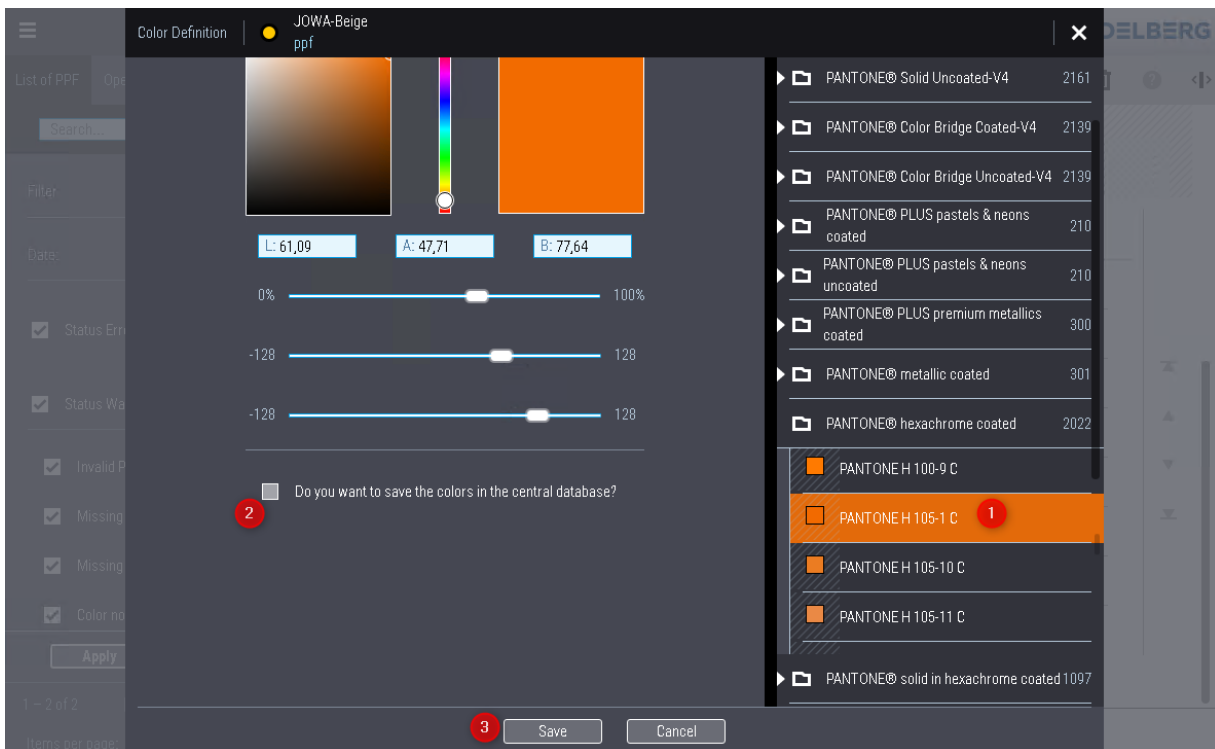


**Note:** The next PPF with the color "Jowa-Beige" will automatically run in OK status, because it will use the defined color from the color tables.

It is also possible to define a color from the color tables.



Here we can select all colors of active color tables.



## 2 PPF Combiner - PPF Handler

### 2.3.6 PPF Modification - Duplicate Sheet

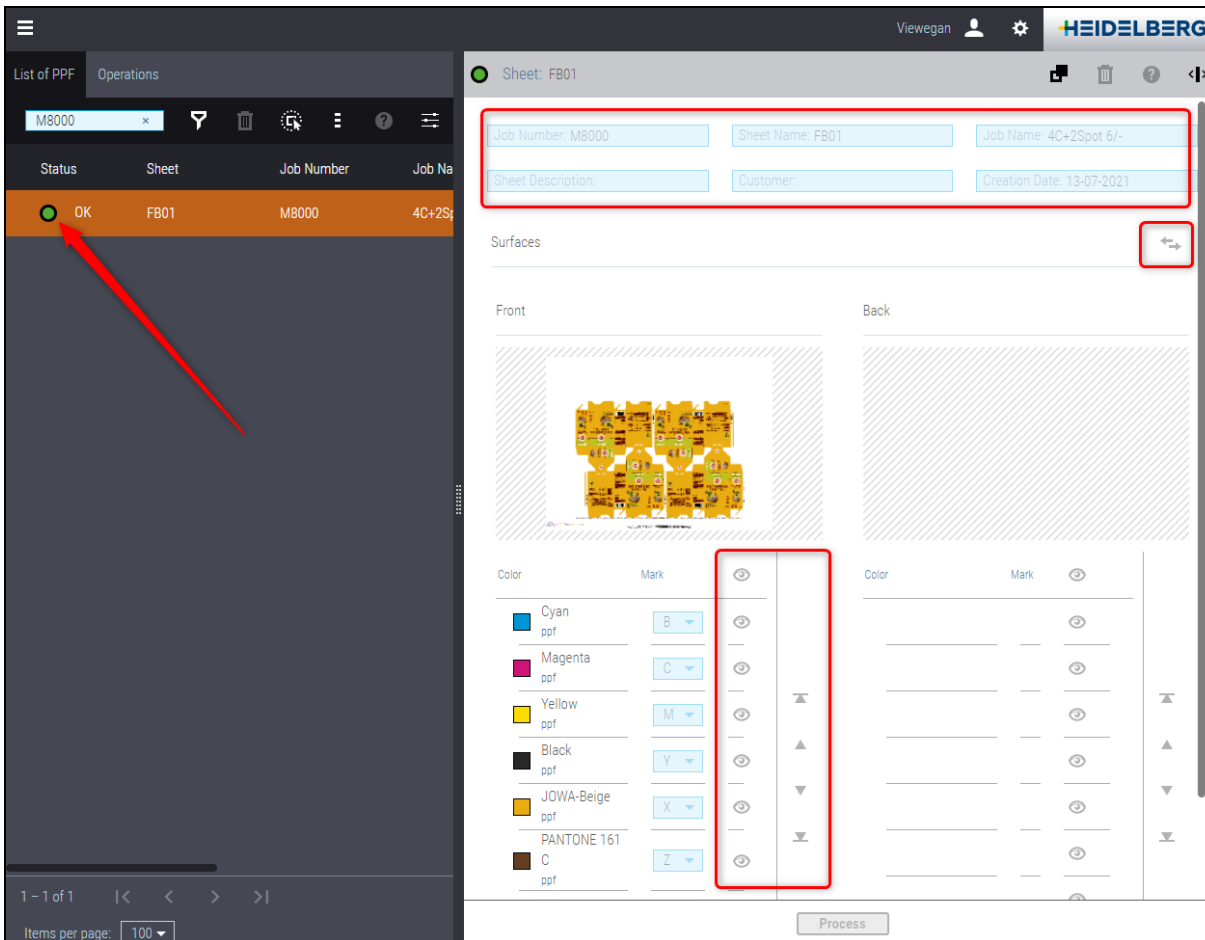
#### Motivation

When a PPF has the "Status OK" it is available at the Press Center. We want to change even these PPF's again to change the operations at the press.

This is not possible when the operation is in the Intelli Start Queue.

#### Description

A processed PPF is not editable:



- 1: "Duplicate Sheet" of a processed PPF allows to change:
  - 2: Job number
  - 3: Sheet name
  - 4-5: Marks assignment & print order - chapter 2.3.7
  - 6: Front & Back - chapter 2.3.8
  - 7: Delete separations - chapter 2.3.9
1. When we change 4-7 and we process (8) the PPF again without changing Job number and Sheet name => we will overwrite the existing operation at the press.
  2. Changing the Job number => we create a new job with a new operation.
  3. Changing the Sheet name => we create a second operation for the job.



**Note:** After changing we have to "Process" (8) the PPF again!

## 2 PPF Combiner - PPF Handler

### 2.3.7 PPF Modification - Change Marks Assignment & Print Order

#### Motivation

It must be possible to change the marks assignment and the print order of PPF's.

#### Description

In this example we have duplicated the PPF and have changed Pantone to color mark X and the print order. Finally we have to process the PPF - we overwrite the existing operation at the Press Center.

Status	Sheet	Job Number	Job I
OK	FB01	M8000	4C+2

Job Number: M8000    Sheet Name: FB01    Job Name: 4C+2Spot 6/-  
Sheet Description:    Customer:    Creation Date: 13-07-2021

Surfaces

Front    Back

Color	Mark	Visibility
Cyan ppf	B	Visible
Magenta ppf	C	Visible
Yellow ppf	M	Visible
Black ppf	Y	Visible
<b>PANTONE 161 C ppf</b>	<b>X</b>	Visible
JOWA-Beige ppf	Z	Visible

1 - 1 of 1    Items per page: 100

4 Process

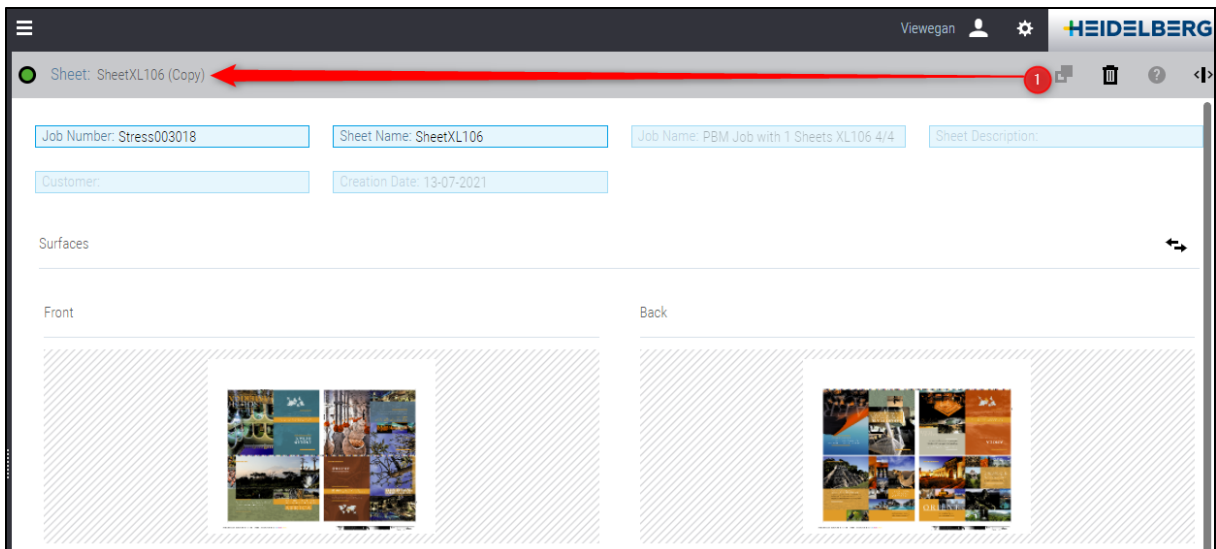
### 2.3.8 PPF Modification - Change Front & Back

#### Motivation

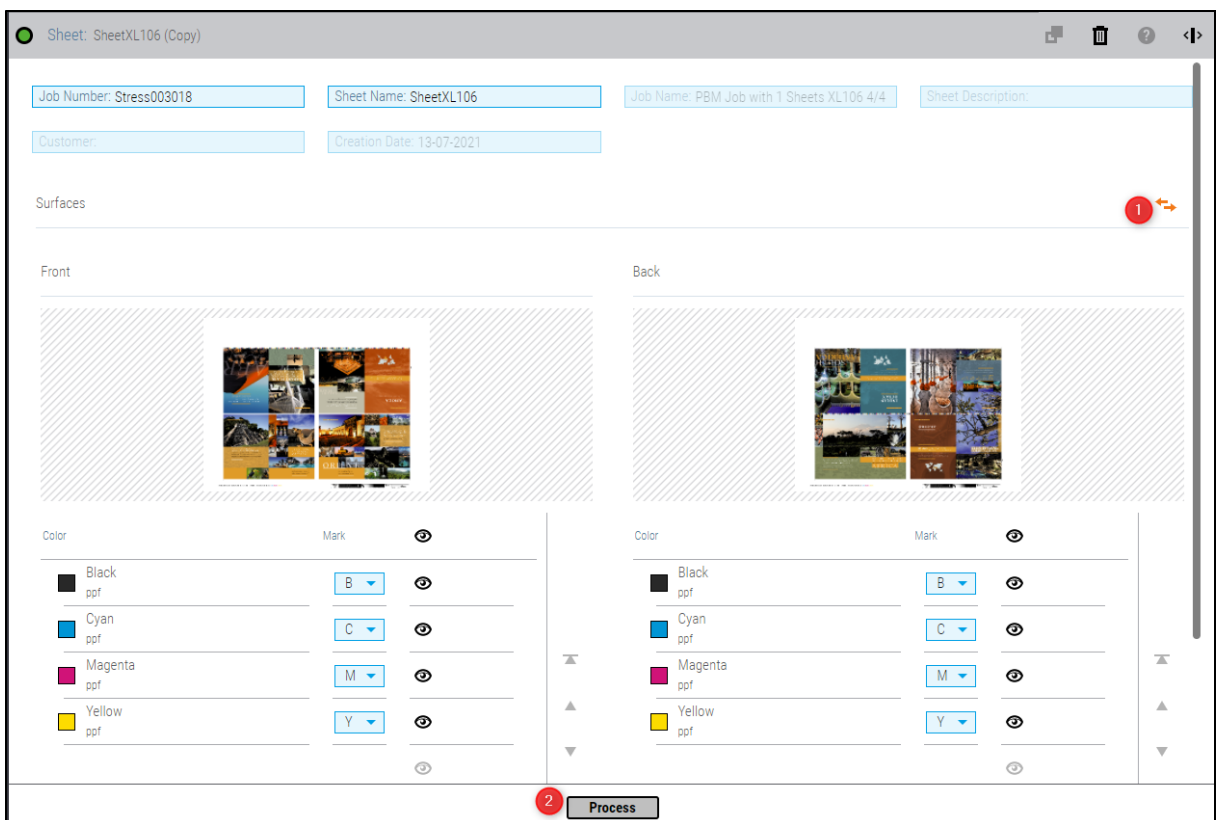
It must be possible to change Front & Back

#### Description

After we have duplicated the processed PPF...



... we can change Front & Back and process the PPF again => we overwrite the existing operation.



## 2 PPF Combiner - PPF Handler

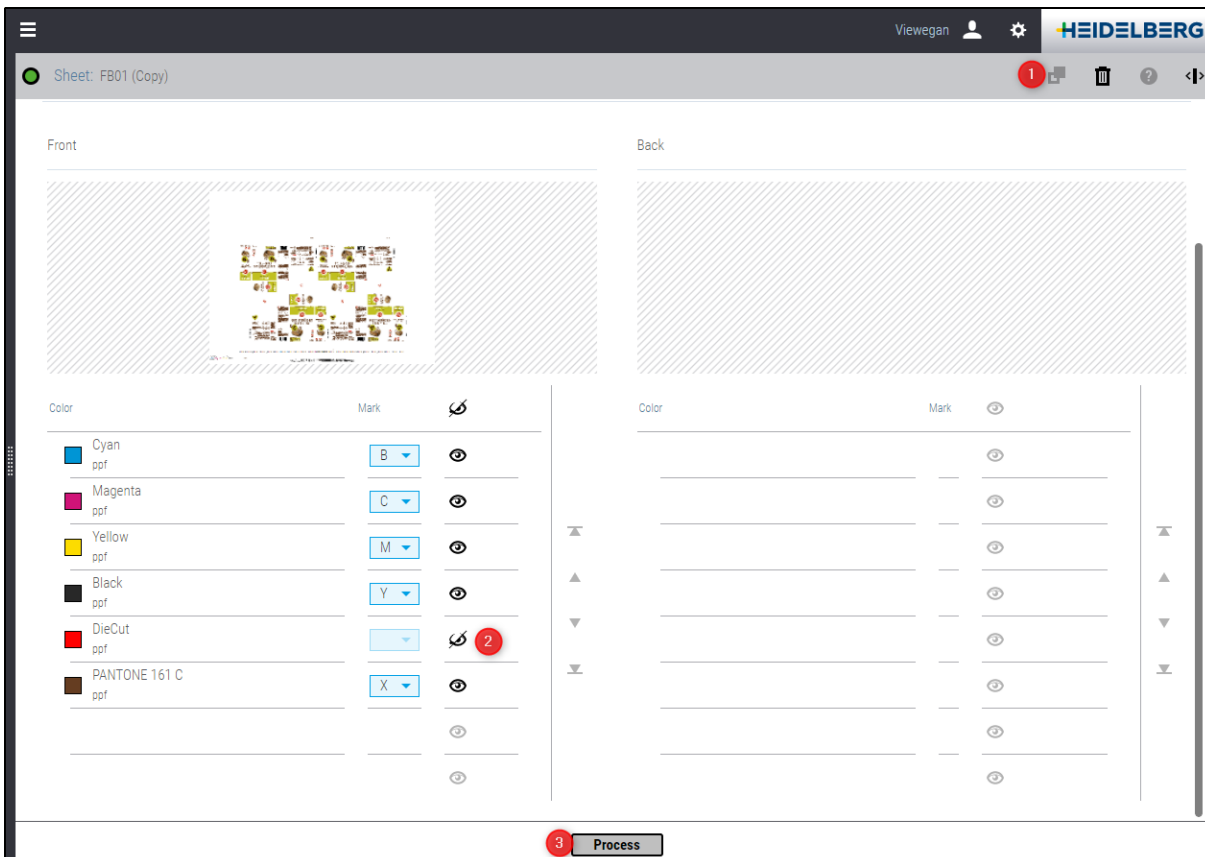
### 2.3.9 PPF Modification - Delete Separations

#### Motivation

It must be possible to ignore separations in the PPF.

#### Description

After we have duplicated the processed PPF we can ignore separations. It is even possible to delete all separations of Front or Back.



## 2.4 List of Operations

#### Motivation

Operations can be defined by:

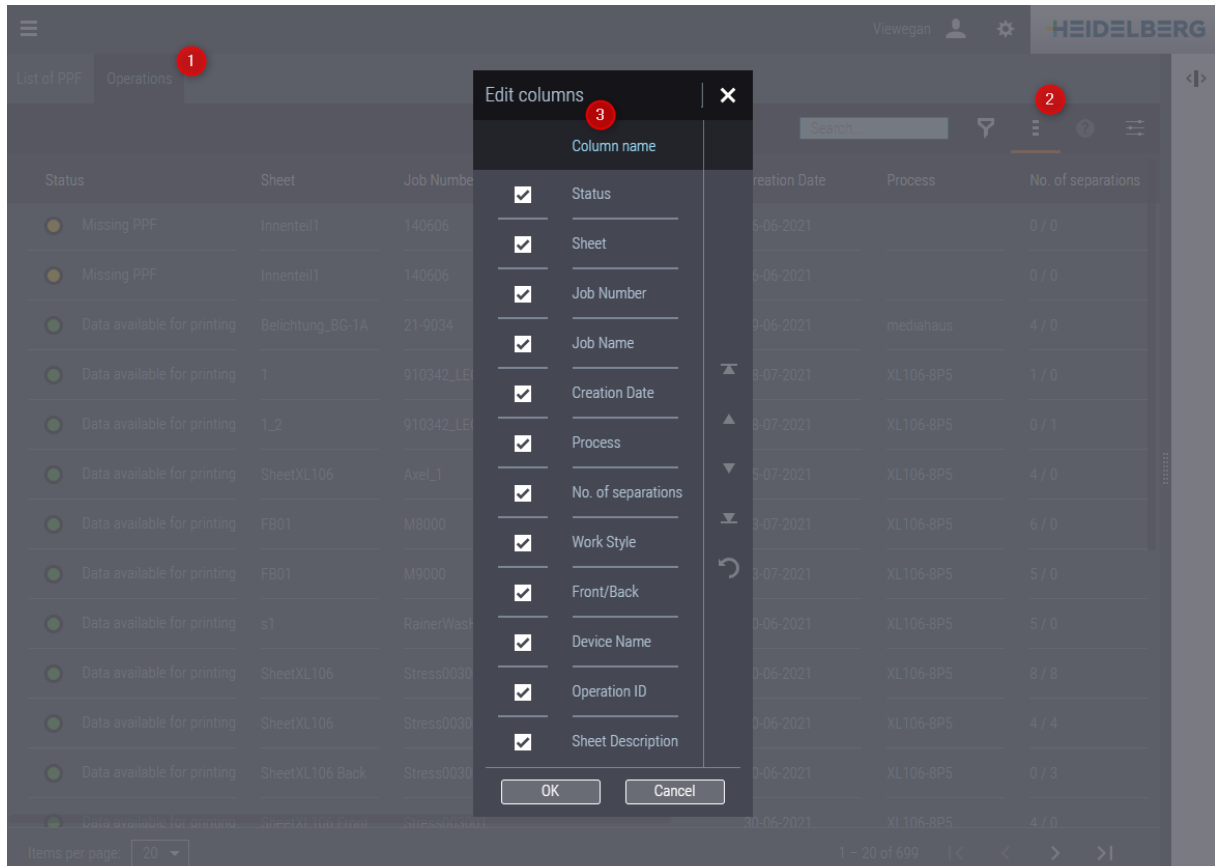
- Planning Assistant
- MIS
- Processed PPF's

Operations with ink presettings are available at the press.

## 2.4.1 Operation Tool Bar

### 2.4.1.1 Columns

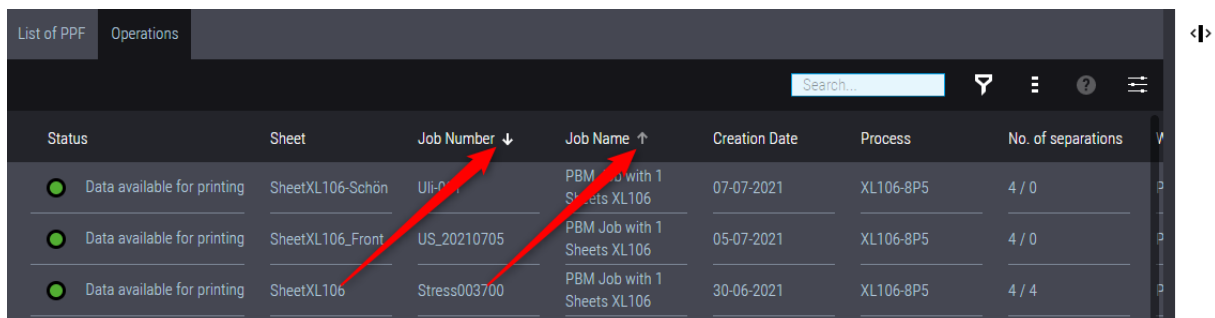
In the "Burger menu" we can activate / deactivate columns and define the order.



### 2.4.1.2 Sorting

We can use sorting in every column:

- The selected column is displayed by a white arrow.
- A mouse over at other columns displays hidden arrows as a gray arrow.



## 2 PPF Combiner - PPF Handler

### 2.4.2 Operation Filter

#### Motivation

Customers wants to filter operations in different status.

#### Description

It is possible to filter operations

- 3: of a time period.
- 4: in Status Warning:
  - Missing PPF - only a SheetfedPrinting sequence is assigned to the sheet.
  - No PPF Workflow - a ImpositionOutput (Plate making) sequence is assigned to the sheet and no Tiff-B's are generated.
- 5: In Status OK:
  - Data available for printing - Ink zone calculation finished, available at the press
  - Queued for printing - operation is loaded in Press Center Intelli Start Queue
  - Printing Sheet - operation is printing at the press at the moment
  - Printing completed - operation finished at the press

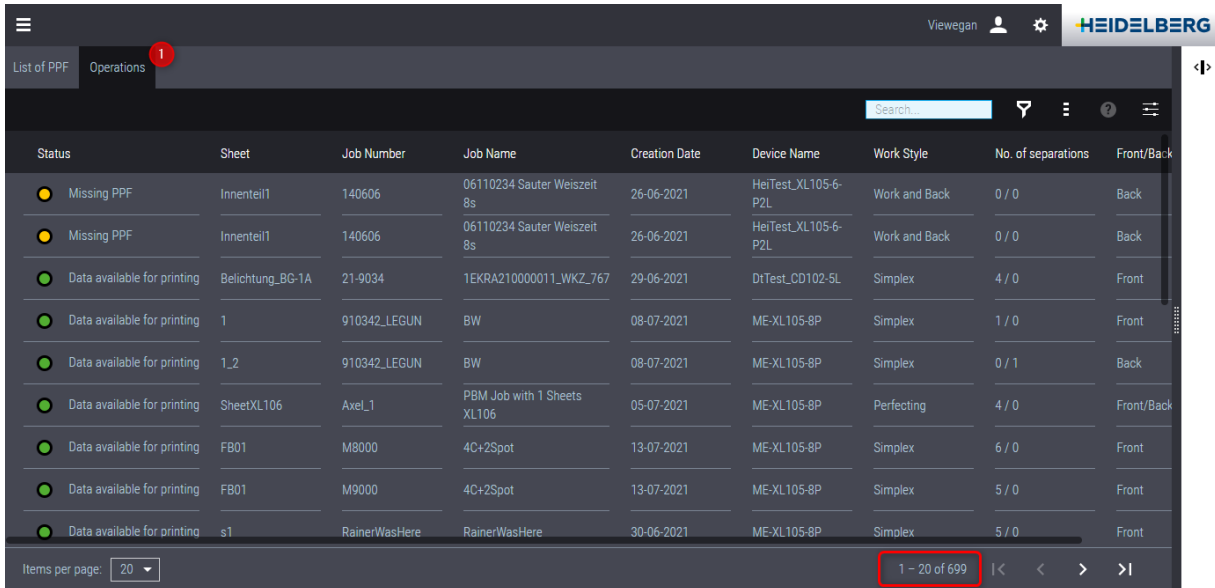
The screenshot displays the Heidelberg PPF Handler interface. At the top, there is a navigation bar with 'Viewegan', a user icon, a settings gear, and the 'HEIDELBERG' logo. Below this, a 'List of PPF' tab is active, with a red notification badge '1'. A search bar and a filter icon are visible in the top right of the main area, with a red notification badge '2'. On the left, a 'Filter' sidebar is open, showing various status filters with red notification badges: 'Date' (3), 'Status Warning' (4), and 'Status OK' (5). The main area contains a table of operations with columns: Status, Sheet, Job Number, Job Name, Creation Date, and Process. The table lists various operations with their respective statuses (Missing PPF, Data available for printing) and details like sheet names and job numbers.

Status	Sheet	Job Number	Job Name	Creation Date	Process
Missing PPF	Innenteil1	140606	06110234 Sauter Weiszeit 8s	26-06-2021	
Missing PPF	Innenteil1	140606	06110234 Sauter Weiszeit 8s	26-06-2021	
Data available for printing	Belichtung_BG-1A	21-9034	1EKRA21000011_WKZ_767	29-06-2021	medi...
Data available for printing	1	910342_LEGUN	BW	08-07-2021	XL106-8
Data available for printing	1_2	910342_LEGUN	BW	08-07-2021	XL106-8
Data available for printing	SheetXL106	Axel_1	PBM Job with 1 Sheets XL106	05-07-2021	XL106-8
Data available for printing	FB01	M8000	4C+2Spot	13-07-2021	XL106-8
Data available for printing	FB01	M9000	4C+2Spot	13-07-2021	XL106-8
Data available for printing	s1	RainerWasHere	RainerWasHere	30-06-2021	XL106-8
Data available for printing	SheetXL106	Stress003000	PBM Job with 1 Sheets XL106	30-06-2021	XL106-8
Data available for printing	SheetXL106	Stress003001	PBM Job with 1 Sheets XL106	30-06-2021	XL106-8
Data available for printing	SheetXL106 Back	Stress003001	PBM Job with 1 Sheets XL106	30-06-2021	XL106-8
Data available for printing	SheetXL106 Front	Stress003001	PBM Job with 1 Sheets XL106	30-06-2021	XL106-8

### 2.4.3 Operation Quick Search

#### Motivation

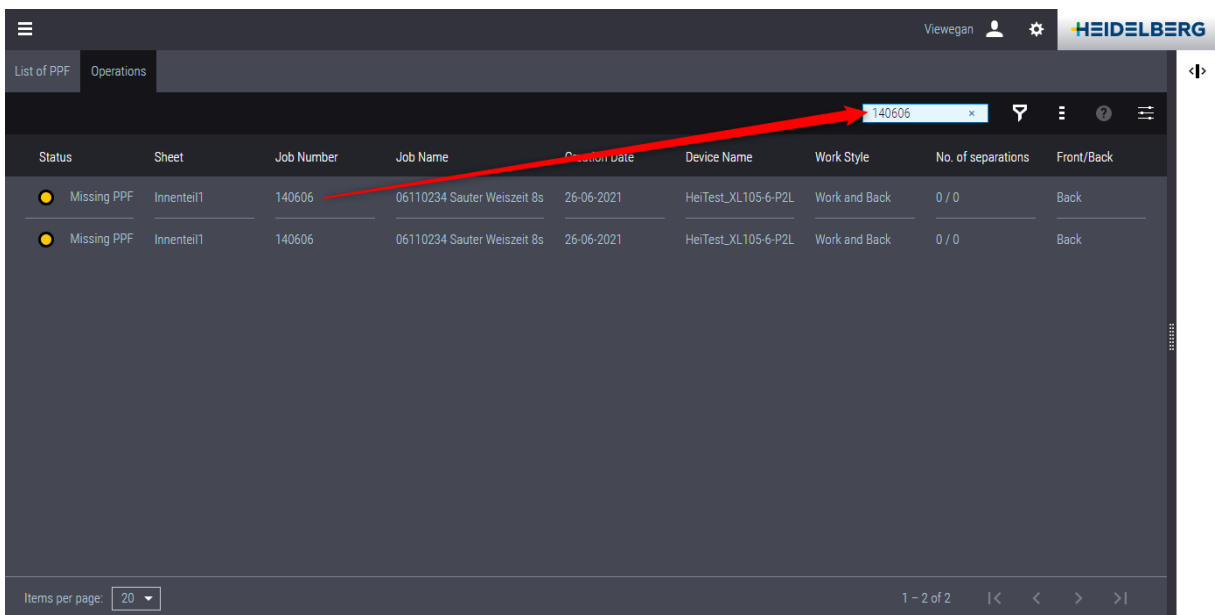
We want to find operations in the operation list.



#### Description

We can search in the operation list like in the PPF List:

- Insert a value
- Drag & drop an operation



## 2 PPF Combiner - PPF Handler

### 2.4.3 Operation Modification - Ignore Separations

#### Motivation

We want to edit operations in the status "Data available for printing".



**Note:** We do not allow to edit operations in the status: Queued for printing, Printing Sheet, Printing completed.

#### Description

We can ignore not wanted separation like a "DieCut" when it was defined in the PPF.

The screenshot displays the Heidelberg PPF Handler interface. On the left, a table lists operations with columns for Status, Job Number, and Sheet. The top row is highlighted in orange, indicating it is selected. The main area shows the detailed view for 'Sheet: FB01'. It includes fields for Job Number (M9000), Sheet Name (FB01), Job Name (4C+2Spot 6/-), Sheet Description (FB01), Customer, and Creation Date (14-07-2021). Below these are sections for Surfaces (Front and Back) and a color/Mark selection panel. The 'DieCut' option is highlighted in red, and a red circle with the number '2' is placed next to it. A red circle with the number '3' is placed next to the 'Process' button at the bottom right.

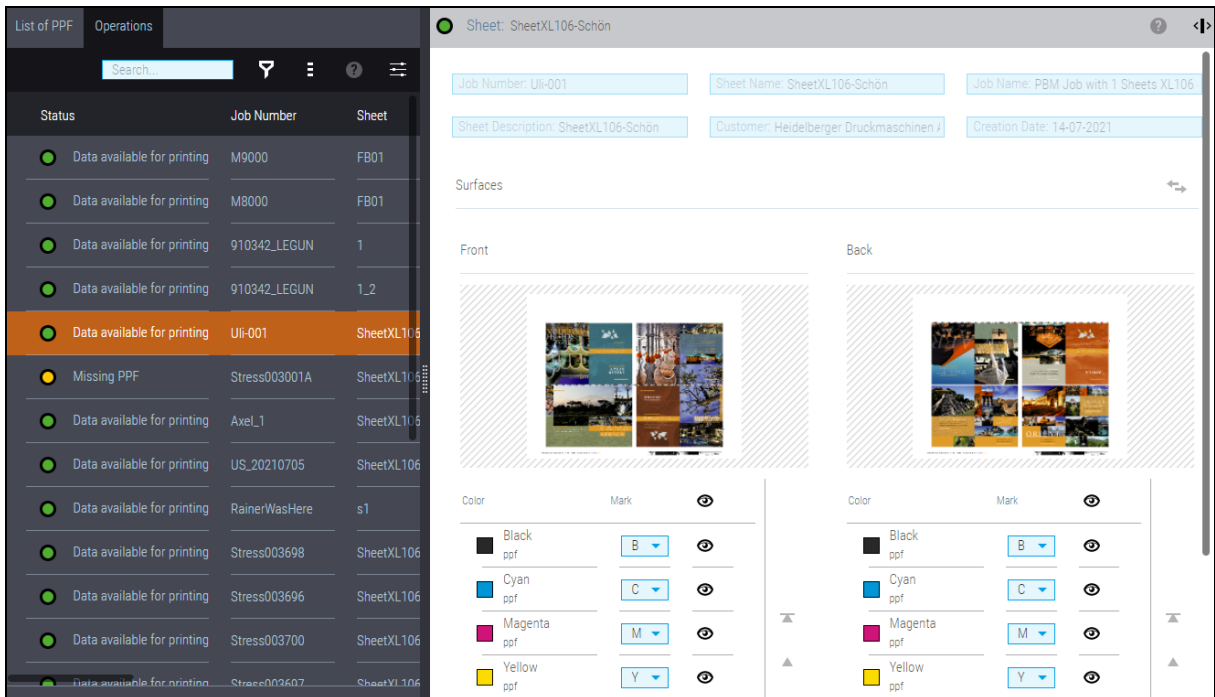


**Note:** In the operation list we cannot do all modifications like in the PPF list.

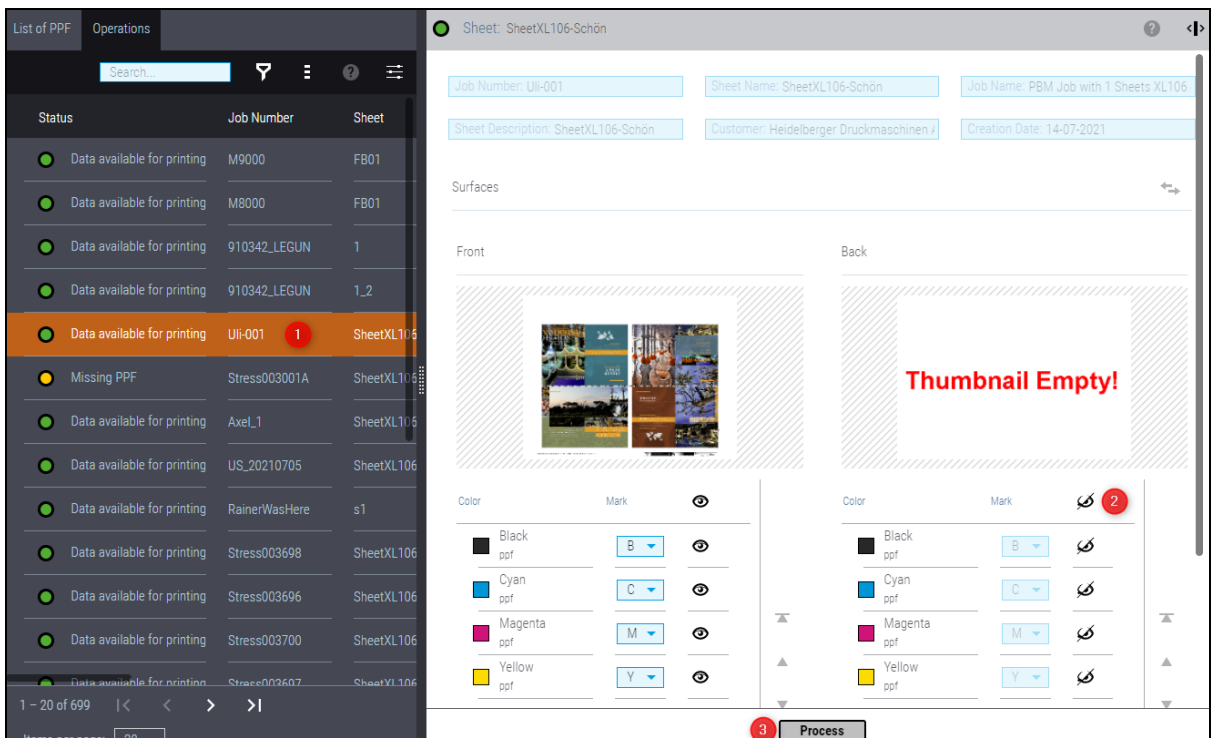
#### Not possible with operations:

- Change Job / sheet name
- Duplicate operations
- Change print order
- Change Front & Back

We can even ignore all separations of a surface when necessary - too much colors for one run.  
 Before: Front & Back in one operation.



After: A "Front" operation only.



**Note:** We have to duplicate the original PPF in the PPF List to generate a "Back" operation.

## 2 PPF Combiner - PPF Handler

### 2.4.4 Operation Modification - Change Marks Assignment

#### Motivation

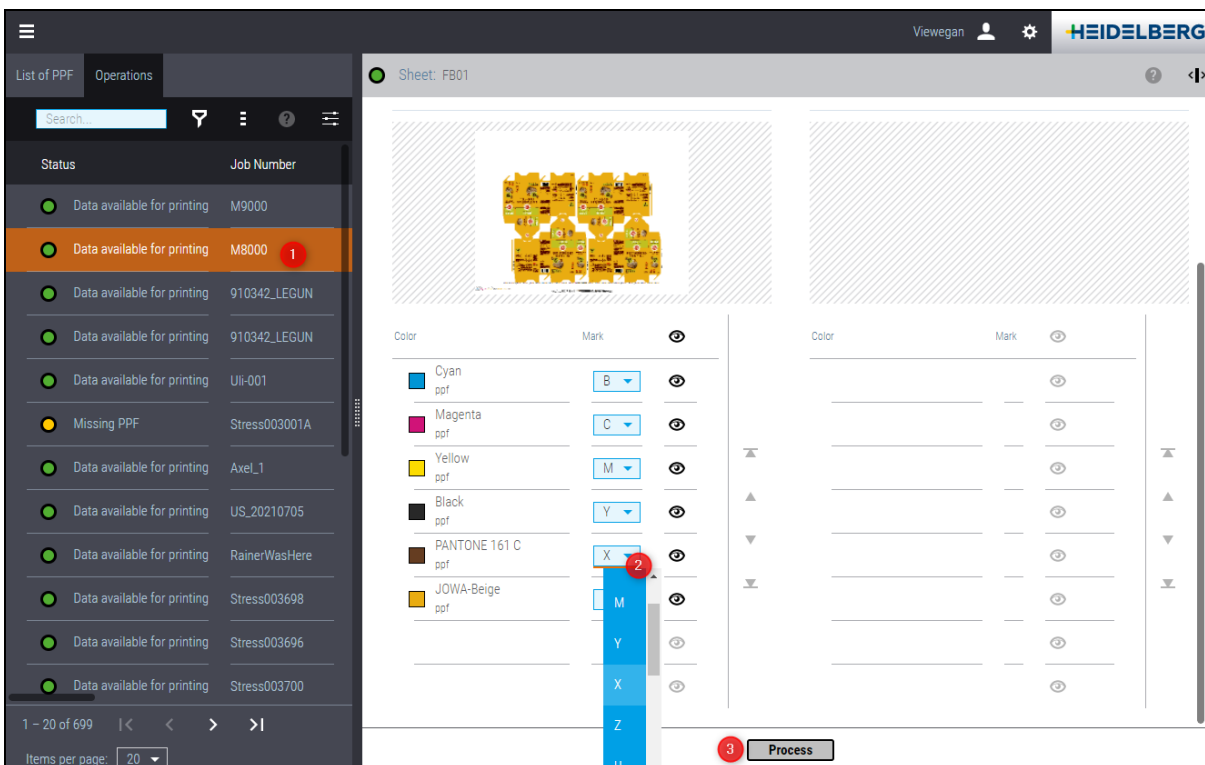
We want to edit operations in the status "Data available for printing".



**Note:** We do not allow to edit operations in the status: Queued for printing, Printing Sheet, Printing completed.

#### Description

We can change the marks assignment on all separations.



## 3 Data Terminal

### Motivation

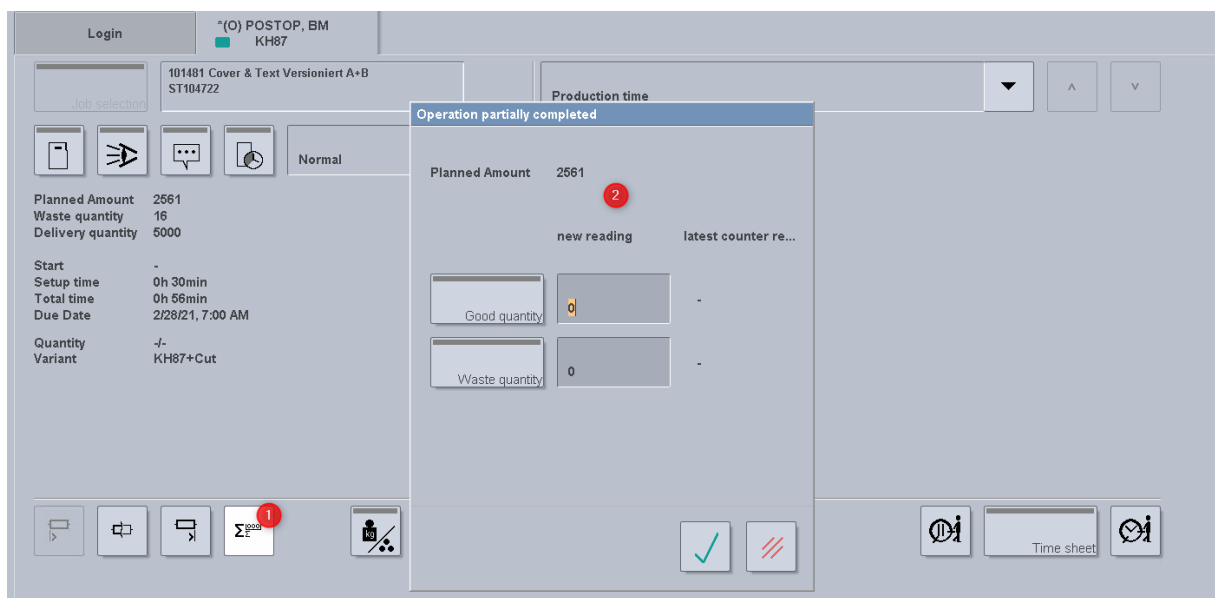
Sometimes operators have to produce partial quantities of one operation.

When they define smaller quantities in the Data Terminal as they have defined before, the amounts are different in Analyze Point and Data Terminal!

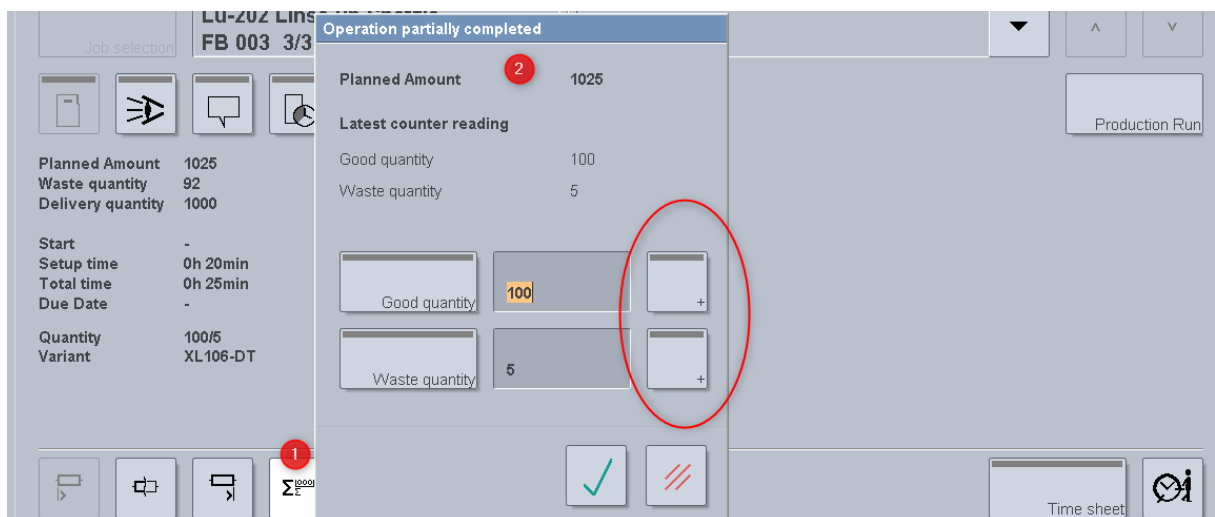
We should implement a calculator and not allow to define smaller numbers as produced.

### 3.1 Partial Amount Dialog

**OLD:** Data Terminal counter in Prinect 2021.0



**NEW:** In Prinect 2021.10 we have implemented a calculator to add partial amounts.



### 3 Data Terminal

#### Example

The last defined amount was 100. The calculator adds the partial production amount 25...

**Operation partially completed**

<b>Planned Amount</b>	1025
<b>Latest counter reading</b>	
Good quantity	100
Waste quantity	5

Good quantity: 100 +

Waste quantity: 5 +

✓    ✗

**Good quantity**

25

7 8 9

4 5 6

+/- 1 2 3

C 0

3 ✓    ✗

... to the total amount 100 => we will get automatically 125.

When we leave this dialog in this condition the next log in user will have 125 "Good quantity" as "Latest counter reading".

**Operation partially completed**

<b>Planned Amount</b>	1025
<b>Latest counter reading</b>	
Good quantity	125
Waste quantity	5

Good quantity: 125 +

Waste quantity: 5 +

✓    ✗

## 3.2 Incorrect Entries not Possible

It is not possible to define smaller values as produced quantities.

**Operation partially completed**

Planned Amount 1025

**Latest counter reading**

Good quantity 100

Waste quantity 5

Good quantity 35 1

Waste quantity 5

2

Invalid input! ×

Good quantity  
**! New value: 35 < 100 !**

It is not allowed to define wrong characters - only numbers.

**Operation partially completed**

Planned Amount 1025

**Latest counter reading**

Good quantity 100

Waste quantity 5

Good quantity K-67 1

Waste quantity 5

2

Invalid input! ×

Good quantity  
**! New value: K-67 !**

### 3 Data Terminal

# 4 Portal

## 4.1 Files & Approval Job - CSR Job Status Filter

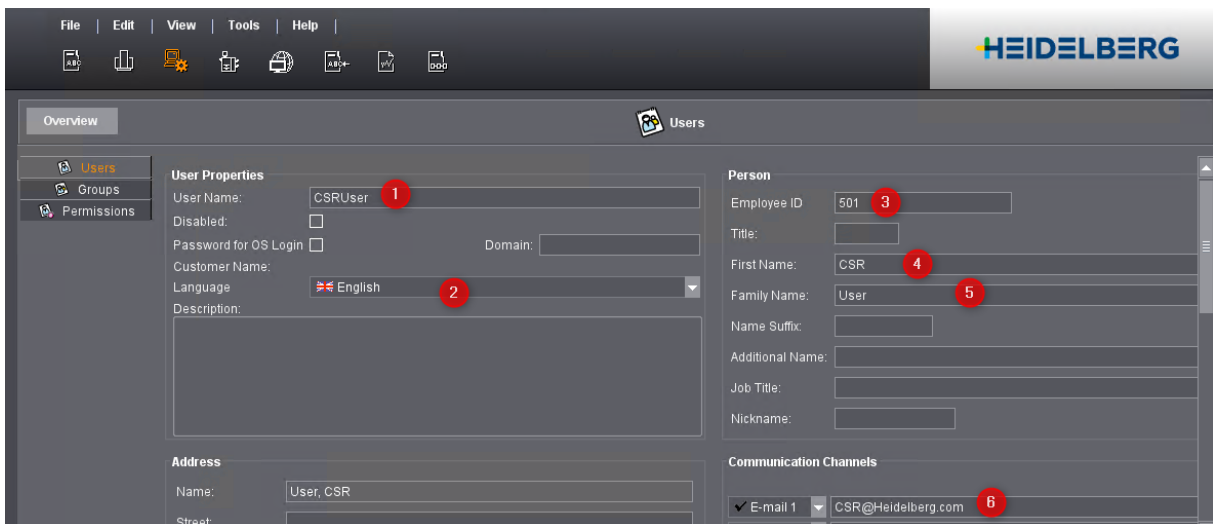
### Motivation

Some customers create jobs for customers with an assigned Customer Sales Representative (CSR) manually in the Cockpit or in the "Portal Files & Approval" - the CSR was never correctly defined.

Only CSR's, defined by MIS, were displayed in Cockpit and Portal.

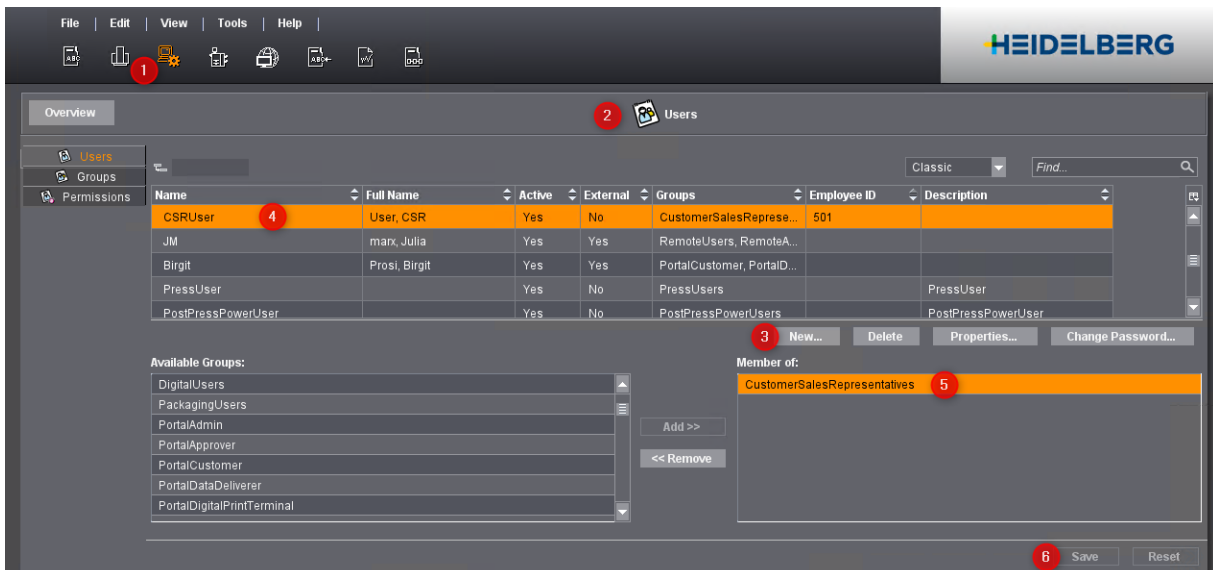
### Description

We must define a User - the CSR needs a E-Mail address!



The screenshot shows the Heidelberg user management interface. The 'User Properties' section includes fields for User Name (1), Disabled, Password for OS Login, Customer Name, Language (2), and Description. The 'Person' section includes Employee ID (3), Title, First Name (4), Family Name (5), Name Suffix, Additional Name, Job Title, and Nickname. The 'Communication Channels' section includes a checked 'E-mail 1' field with the address CSR@Heidelberg.com (6). The 'Address' section includes Name (User, CSR) and Street.

This user needs only the permission "CustomerSalesRepresentative".



The screenshot shows the Heidelberg user management interface. The 'Users' list is displayed with columns: Name, Full Name, Active, External, Groups, Employee ID, and Description. The 'CSRUser' row is highlighted (4). The 'Available Groups' list includes DigitalUsers, PackagingUsers, PortalAdmin, PortalApprover, PortalCustomer, PortalDataDeliverer, and PortalDigitalPrintTerminal. The 'Member of:' list includes CustomerSalesRepresentatives (5). The interface includes buttons for 'New...' (3), 'Delete', 'Properties...', 'Change Password...', 'Add >>', '<< Remove', 'Save' (6), and 'Reset'.

Name	Full Name	Active	External	Groups	Employee ID	Description
CSRUser	User, CSR	Yes	No	CustomerSalesReprese...	501	
JM	max, Julia	Yes	Yes	RemoteUsers, RemoteA...		
Birgit	Prosi, Birgit	Yes	Yes	PortalCustomer, PortalD...		
PressUser		Yes	No	PressUsers		PressUser
PostPressPowerUser		Yes	No	PostPressPowerUsers		PostPressPowerUser

## 4 Portal

This CSR is to assign to a Portal customer. CSR's without a E-mail address are red marked.

The screenshot shows the Heidelberg software interface. At the top, there is a menu bar with 'File', 'Edit', 'View', 'Tools', and 'Help'. Below the menu is a toolbar with various icons. The main window is titled 'Customers' and contains a table with the following columns: Customer Name, Nickname, Customer ID, and Remote Access. The table lists several customers, with 'AG-PORTAL' highlighted in orange. A red arrow points to the 'Remote Access' column for 'AG-PORTAL', which is set to 'Yes'. To the right of the table is a form for customer details, including Name, Address, Street, PO Box, Postal Code, City, Region, and Country Code. Below the table, an 'Assign CSR' dialog box is open, showing a list of users. The user 'CSRUser (User, CSR)' is selected and highlighted in orange. The dialog box has 'Add >>', '<< Remove', and 'OK' buttons. A red circle with the number '5' is around the 'OK' button.

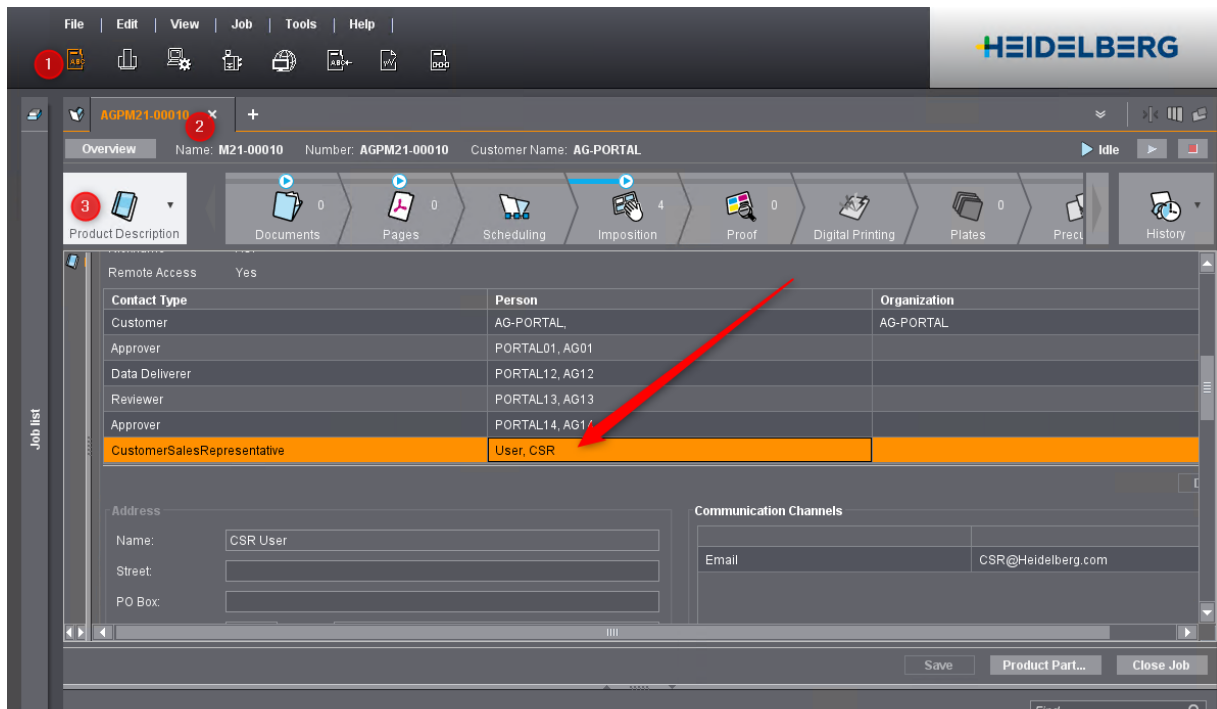
Customer Name	Nickname	Customer ID	Remote Access
Aalborg Tryk	AAL	100007	No
AG-PORTAL	AGP	100008	Yes
AG-PORTALA	AGPA	100012	Yes
Aroula by MG	AROULA	100010	No
Brigitte-Küchen	BRIGITTE	001082	No
BÜLL 2 Enterprise	BÜLL 2	100058	No
Chamäleon Druck	CHAM	100011	No
Customer for Gangjobs	GANGKD	100003	No
DRUPA 2012 High Productivity	DRUPA 2012 HP	31	No
Einkauf	AROULA	100216	
Heidelberger Druckmaschinen ...	HEIDELBERG	100002	
JM Kunde	JMKUNDE	100006	
JM2	JM2	100014	
JM_Kunde	JM_KUNDE	100004	
KU-Druck	KU	100009	
KU_Druck	KU	100005	
Lichtzentrale Lichtgroßhandel G...	LICHTZENTR	100054	
ME-Ganging	GANGING	011505	

The CSR is written now into the job, when we create a job for this customer in the Cockpit or in the Portal Files & Approval.

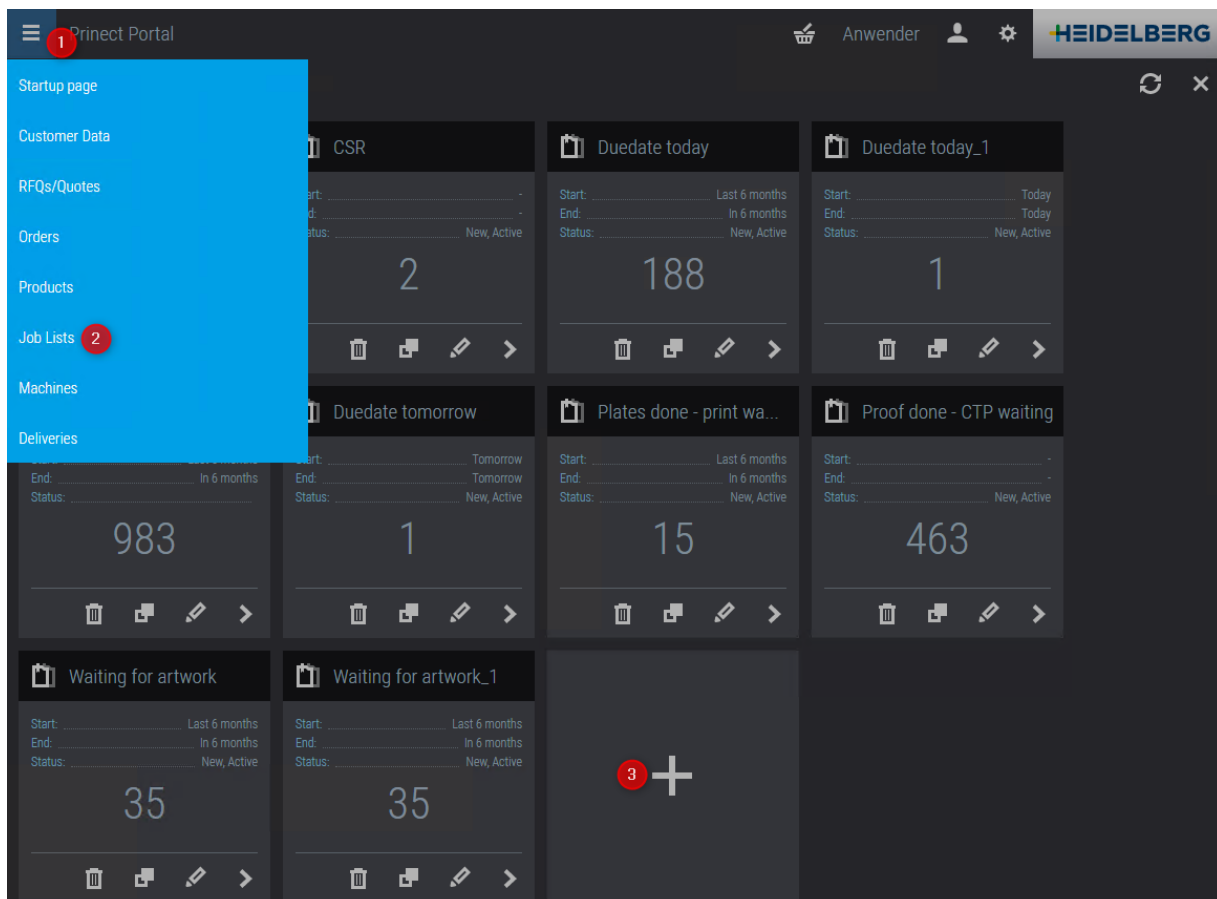
**Example:** Job creation via "Portal Files & Approval".

The screenshot shows the Heidelberg software interface. At the top, there is a menu bar with 'Princt Portal', 'Anwender', and 'HEIDELBERG'. Below the menu is a toolbar with various icons. The main window is titled 'Create New Job' and contains a 'Job Parameter' form. The form has the following fields: Customer (AG-PORTAL), Product Category (BU\_A4\_54S\_C6S\_2SL), Job number (M21-00010), Job Name (M21-00010), Planned Pages (54), Delivery Quantity (500), and Due Date (May 26, 2021). There is also a checkbox for 'Open Job Automatically' which is checked. The form has 'OK' and 'Cancel' buttons at the bottom.

The CSR is visible in the Cockpit.



In the Portal we can create own Job list filter for Job Status.



## 4 Portal

With this filter...

The screenshot shows the 'Edit' dialog box in the Princt Portal. The interface includes a search bar at the top with the text 'Name: CSR' and a red circle '1' next to it. Below the search bar are several filter sections:

- Columns:** A list of columns with dropdown menus and trash icons. The 'Customer Sales Representative' column has a red circle '2' next to it.
- Filter for due date:** Includes 'Start' and 'End' dropdowns with red circles '3' and '4' respectively, and a checked checkbox for 'Jobs without Due Date'.
- Filter for status:** Includes checkboxes for 'New', 'Active', 'Finished', 'Canceled', and 'Offline'. 'New' and 'Active' are checked.
- Filter for workflow steps:** A section with a plus sign.
- Filters for Columns:** A section with a plus sign.

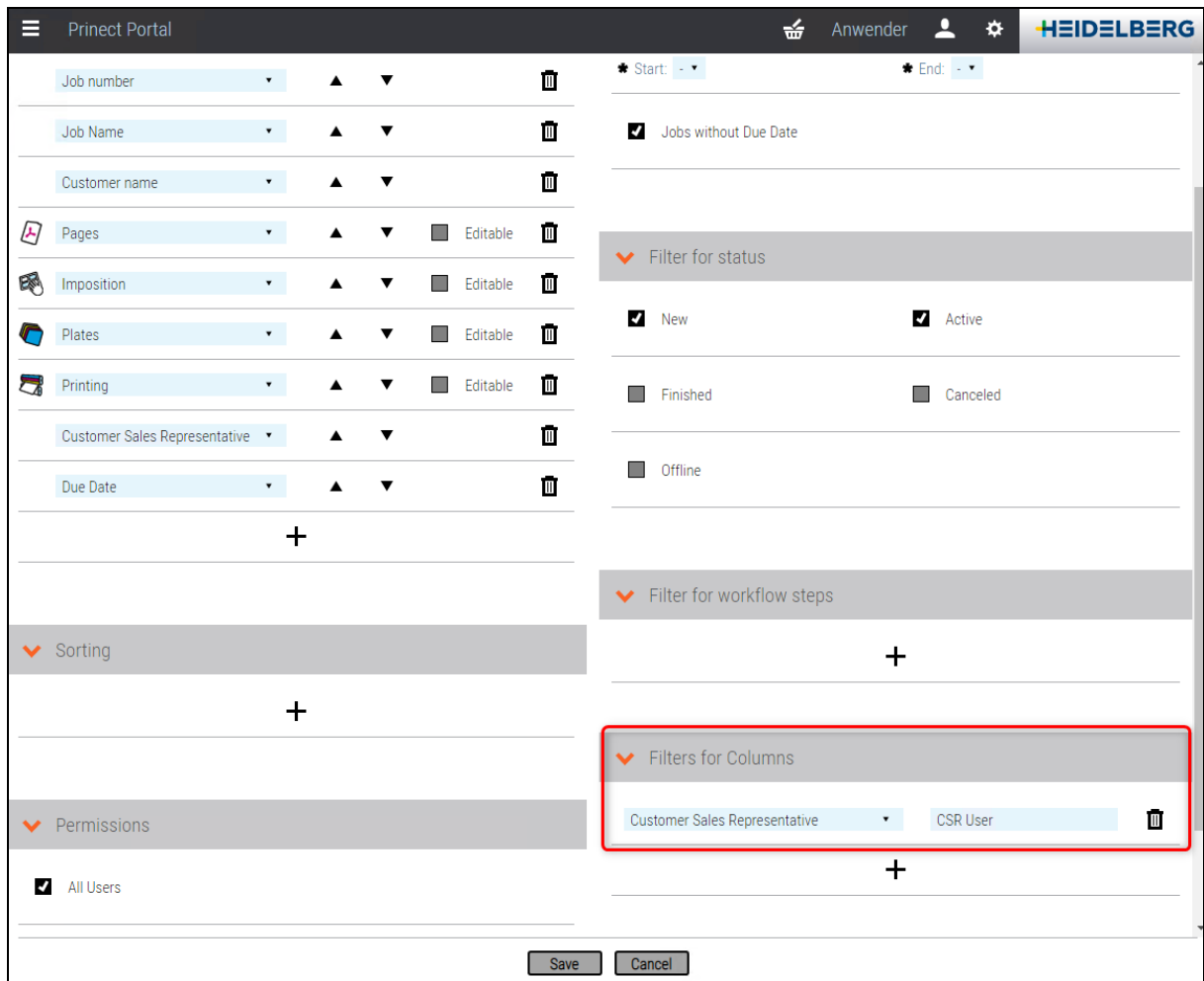
At the bottom, there are 'Save' and 'Cancel' buttons, with a red circle '5' next to the 'Save' button.

... all active jobs with customer and CSR are displayed in the Portal.

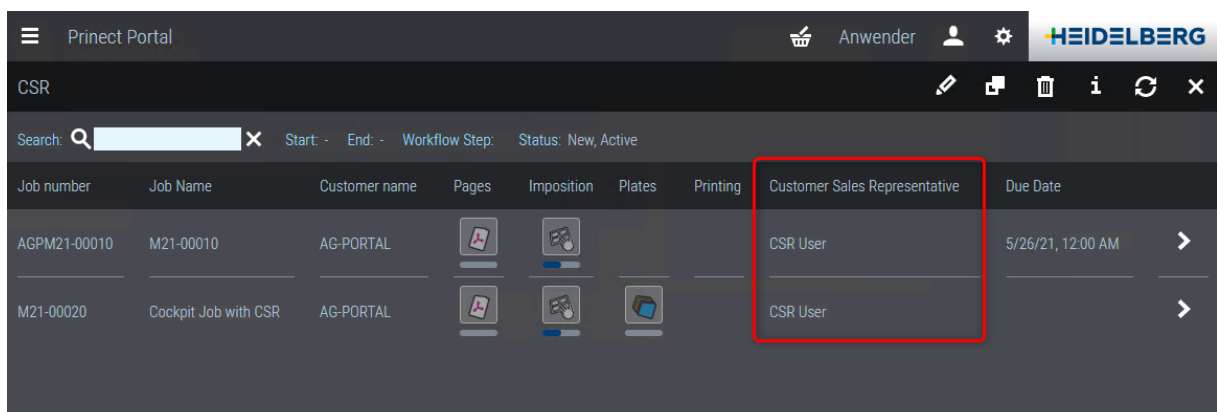
The screenshot shows the main view of the Princt Portal. At the top, there is a search bar and filter options: 'Start: -', 'End: -', 'Workflow Step:', and 'Status: New, Active'. Below this is a table of jobs with the following columns: Job number, Job Name, Customer name, Pages, Imposition, Plates, Printing, Customer Sales Representative, and Due Date. A red box highlights the 'Customer Sales Representative' column.

Job number	Job Name	Customer name	Pages	Imposition	Plates	Printing	Customer Sales Representative	Due Date
100875	comp	JM Kunde					marxjuli	4/24/21, 9:00 AM
100874	Link to Vers	JM Kunde					marxjuli	4/24/21, 9:00 AM
100873	0415_20S_Status	KU-Druck					Administrator	4/24/21, 9:00 AM
100848	Water Colour Block 305x450	Aalborg Tryk					kaackchr	4/24/21, 9:00 AM
100843	Gummed Water Colour Pad 254x394	Aalborg Tryk					kaackchr	4/24/21, 9:00 AM
100895	PX9 Book PB	ottoNeu dickmopsNeu						4/25/21, 8:00 AM

Because the CSR's wants to see only their own jobs, we can extend the filter.



With this filter only jobs for the "CSR User" are displayed.



## 4.2 Plate Pilot

### 4.2.1 Plate Number has changed to Plate ID

#### Motivation

In MIS, API and Signa Station the Plate Number has a different meaning as in the Cockpit - we have to keep it synchronized.

"Princt Signa Station" has 2 Marks, especially for Nela and Plate Pilot:

Resources > Marks > Standard > "NelaPlateControl" (DataMatrix Code) and "NelaPlateControlDetails" (corresponding Text).

```

$[jobid:-10]$, [jobname:10]$, [Sheetno:-2]$, [VariantName:2]$, [SurfaceCharacter]$, [ColorCode:-1]$, [PressID:-2]$, [ScreenSystem:2]
$, [ProcessCalCurve:4]$, [PlateSizeX:Umm:4]x$, [PlateSizeY:Umm:4]$, [Plateno:-2]$, [PrintPlateCount:2]$, [PlateID:-14]
    
```



**Warning:** In Prinect 2021.0 we have to change PlateID and Plateno in the mark.

#### BUG in Prinect 2021.0

- Plate Number - a unique number, generated when rendering starts
- Plate ID - from MIS only

Separation	Plate ID	Plate Number	Plate Code
LO100097 (16)			
ST100261 (Cover) (8)			
Front (4)			D5E12037
Yellow (No content)	10009710026100010004		D5E12037
Magenta	10009710026100010003	0008201000002	D5E12037
Cyan	10009710026100010002	0008201000001	D5E12037
Black	10009710026100010001	0008201000000	D5E12037

#### Fixed in Prinect 2021.10

Now we can use the original NELA Mark in Signa Station.

- Plate ID - the old Plate Number
- Plate Product ID - the old Plate ID

Separation	Plate Product ID	Plate ID	Plate Code
05-Falzen_Prinect 2005 Broschure Sheetf (30)			
Innenteil_1 (12)			
Front (6)			6C3028AE
Black		2541100001000	6C3028AE
Cyan		2541100001001	6C3028AE

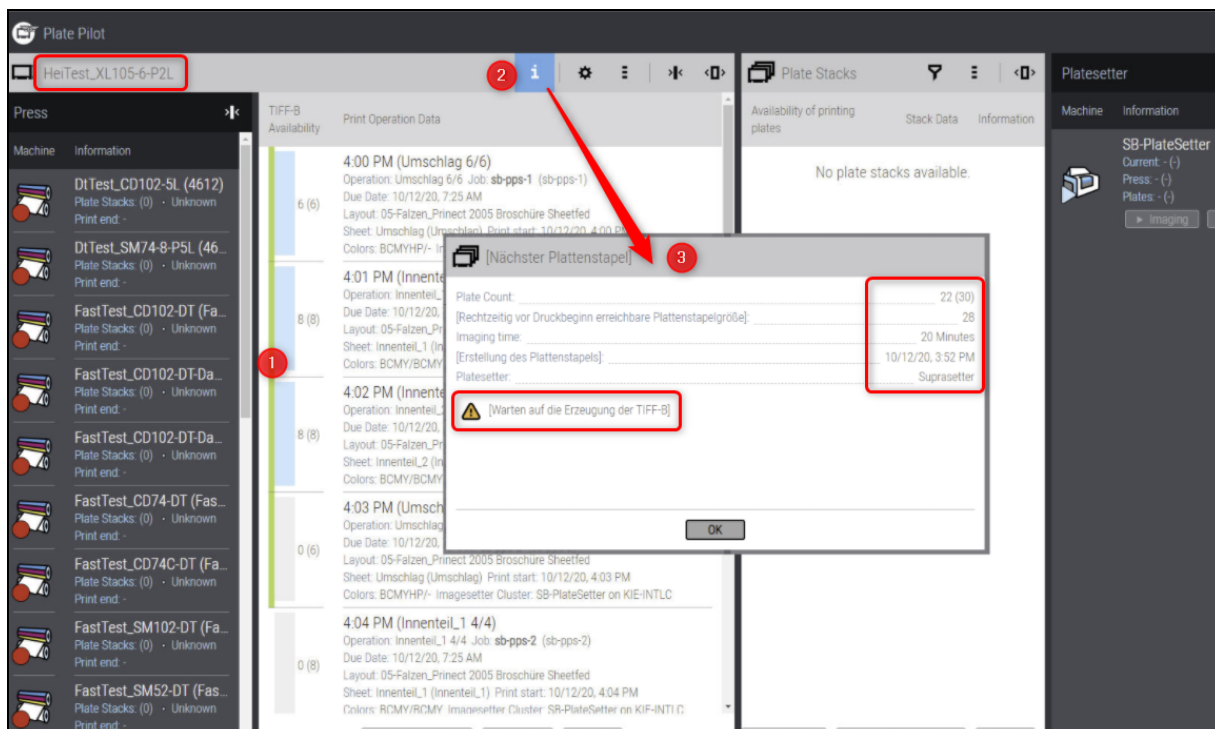
## 4.2.2 Plate Sets for next Plate Stack

### Motivation

The Plate Pilot should mark Plate Sets which are recommended to output as a Plate Stack.

### Description

1. A green line displays all Plate Sets for the next recommended Plate Stack.
2. The "info" icon can open the information dialog about the next Plate Stack
3. The dialog displays the next calculated Plate Stack by Platesetter performance and the capacity of the Plate Cart:
  - Plate Count...22 (30) - 22 Plates are in the Plate Stack, 30 plates can be at the Plate Cart
  - Reachable Plate Stack size before Print operation start...28
  - Imaging time...20 minutes
  - Plate Stack creation time...10/12/20 3:52 PM
  - Platesetter... Suprasetter
  - "Warning icon" - Waiting for Tiff-B generation



This works in manually and in automatically Plate Stack generation mode.

## 4 Portal

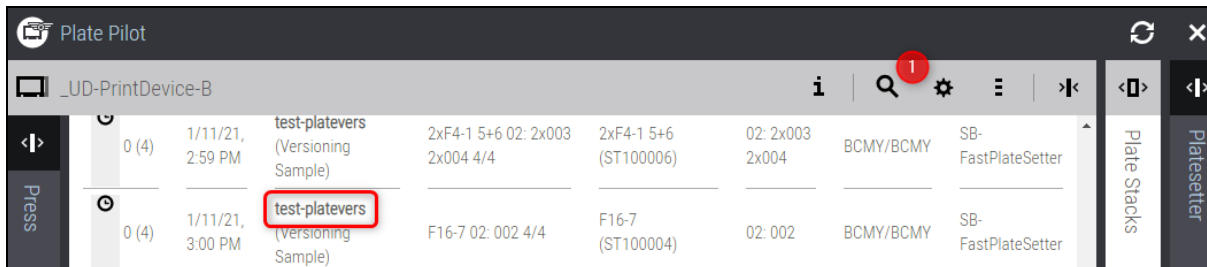
### 4.2.3 Quick Search

#### Motivation

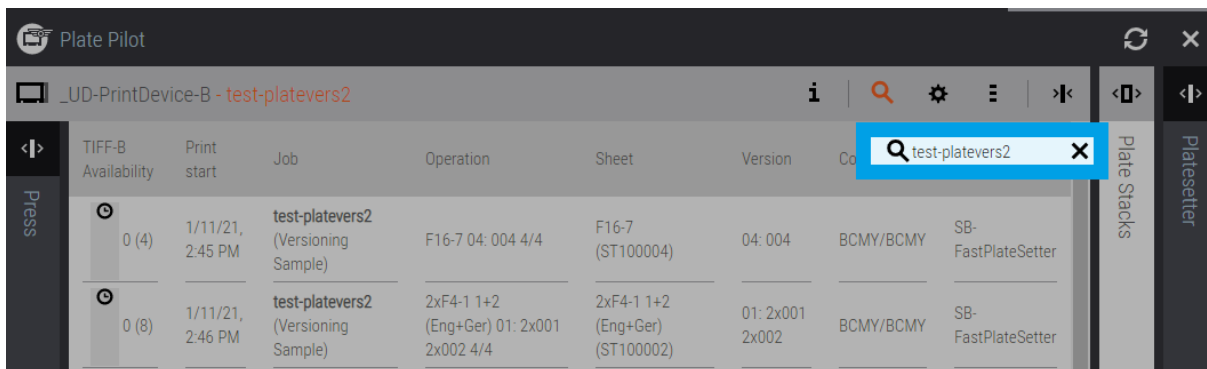
Especially customers without Scheduler wants to search Plate Sets and image Plate Stacks.

#### Description

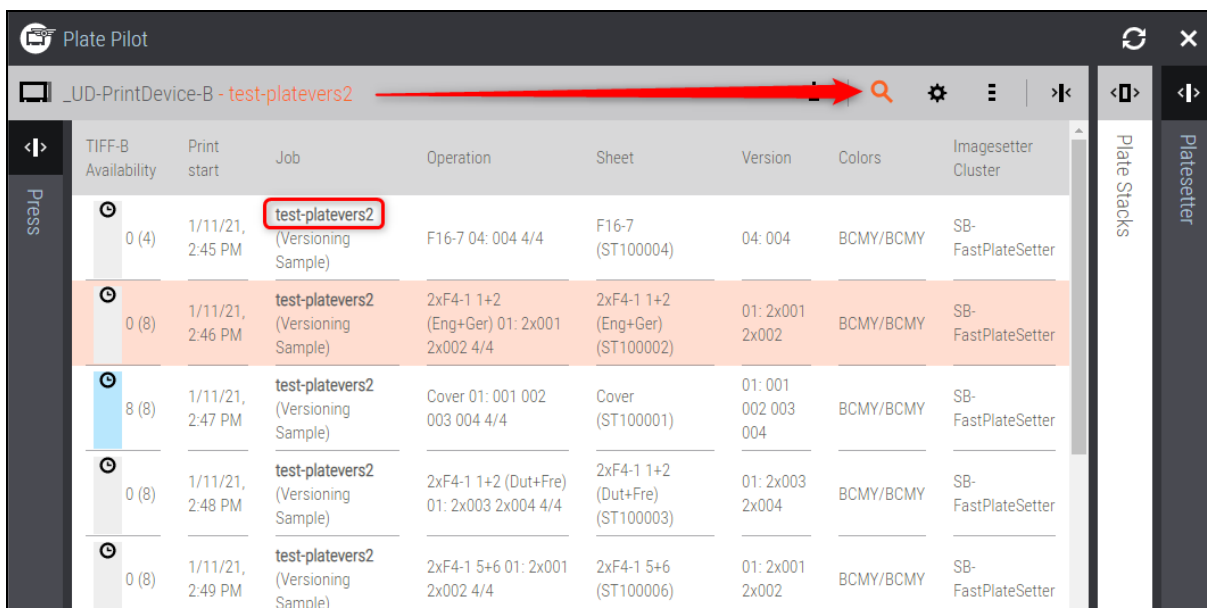
We have implemented a Quick Search in the Plate Set list...



... to find jobs, sheets, operations or versions.



We have filtered the job "test-platever2". The "orange" search icon displays a active search.



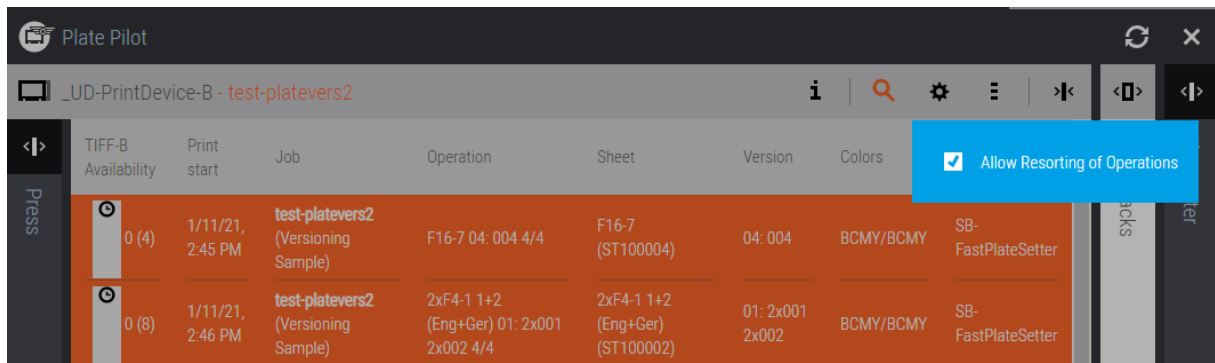
## 4.2.4 Reorder via Context Menu

### Motivation

Customers without Scheduler wants to have an enhanced reordering function.

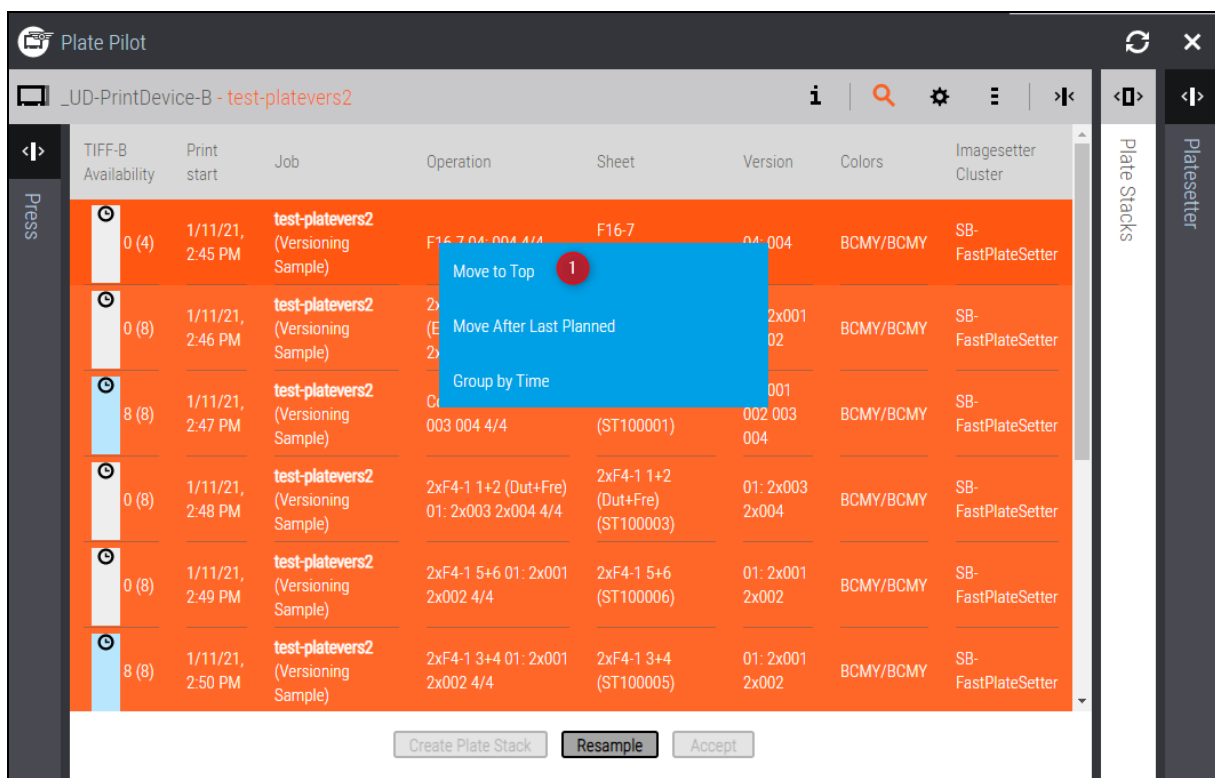
### Description

In this example we have still an active Quick Search. When we allow to reorder operations...



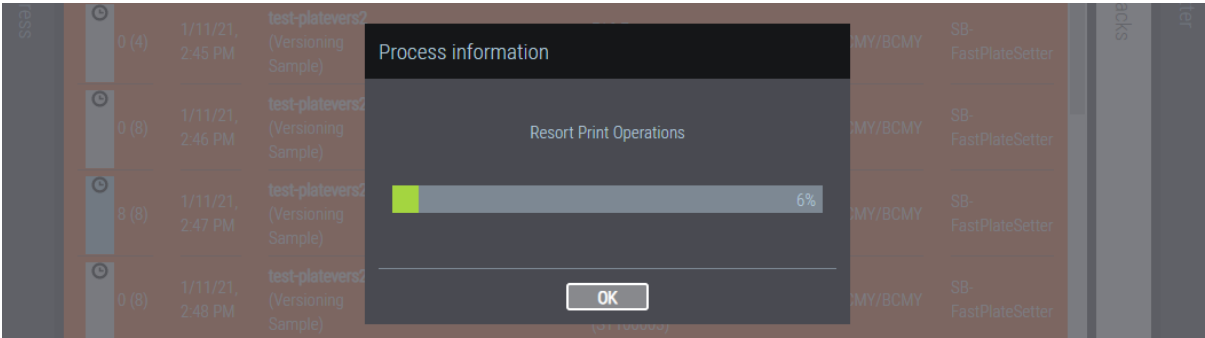
... it is possible to reorder all selected operations via context menu:

- Move to Top
- Move after last Planned
- Group by Time

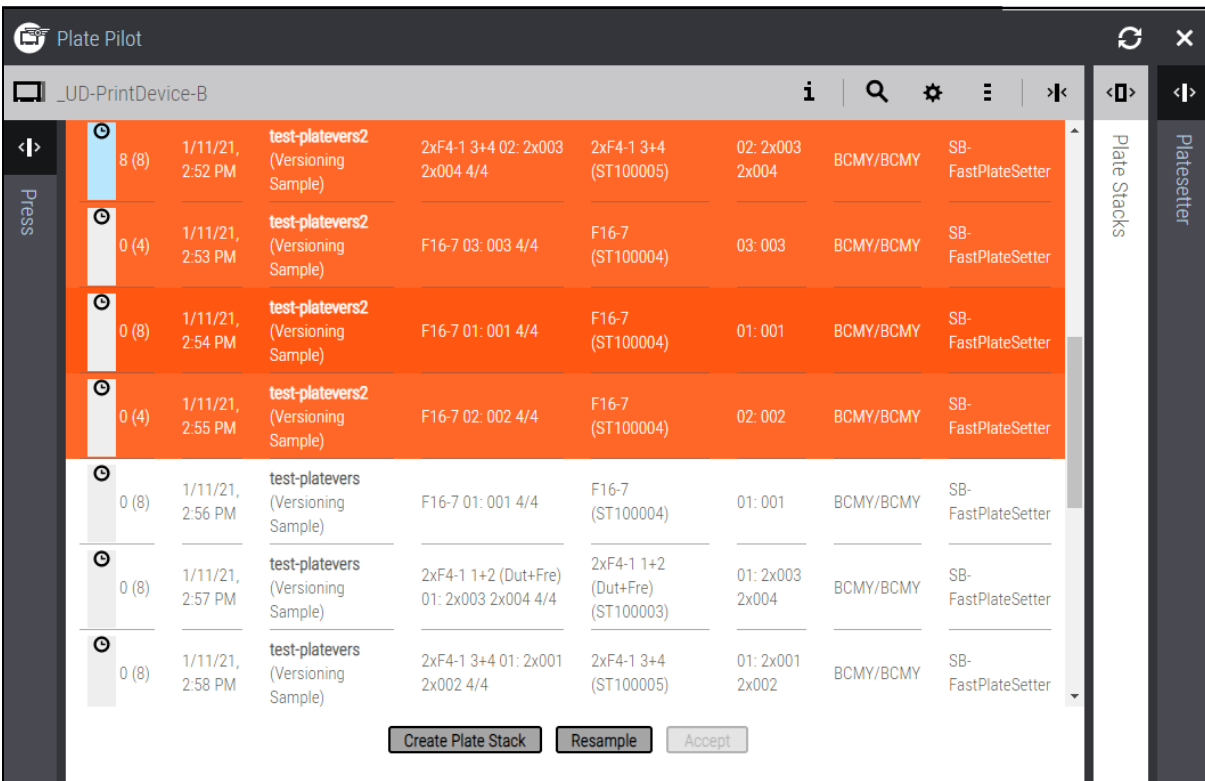


## 4 Portal

After the process dialog has closed automatically...



... the Quick Search is disabled and the selected operations are at the top of the Plate Set list.



We can now create Plate Stacks from planned Plate Sets manually in the Plate Pilot via multi selection.



## **Heidelberger Druckmaschinen AG**

Gutenbergring

69168 Wiesloch

Germany

Phone +49 6221 92-00

Fax +49 6221 92-6999

**heidelberg.com**

### **Copyright © 2021 Heidelberger Druckmaschinen AG.**

No part of this book may be reproduced without prior written permission.

### **Important Notice:**

We are dedicated to improving and enhancing our products. Consequently, the information in this manual is subject to technical modifications and other changes without notice. Heidelberger Druckmaschinen AG assumes no responsibility for information and description as far as third-party products are concerned.

The information contained in this manual about performance and speed as well as technical data concerning application of our products is not legally binding as it does not constitute a written contract of features. If any problems occur with the product described in this manual, please contact the Heidelberg agency which is responsible for you.

Revision 1.0

Version 2021.10

The software used during the training is just for training purposes. You are not supposed to forward this software to the customer. The software for the customer has to be downloaded on the official way.

### **Impressum**

Fonts: Heidelberg Antiqua MI, Heidelberg Gothic MI

### **Trademarks**

Heidelberg, the Heidelberg logotype, Prinect, Suprasetter and Speedmaster are registered trademarks of Heidelberger Druckmaschinen AG in the United States and other countries.

Adobe and PostScript and Acrobat are either registered trademarks or trademarks of Adobe Systems Incorporated in the United States and/or other countries.

PANTONE and Hexachrome are registered trademarks of Pantone Inc. All other trademarks are property of their respective owners.

**Subject to technical modifications and other changes.**