

LET'S

■■■ PRINECT ■  
ANWENDERTAGE

CONNECT

**WS5**

# What's new in Print Shop Analytics

**Prinect User Days**

Carolina Viterbo & Fabian-Victor Schroeder | Thursday 16th 4 pm – 4:30 , Thursday 16th 5 pm – 5:30

# Agenda

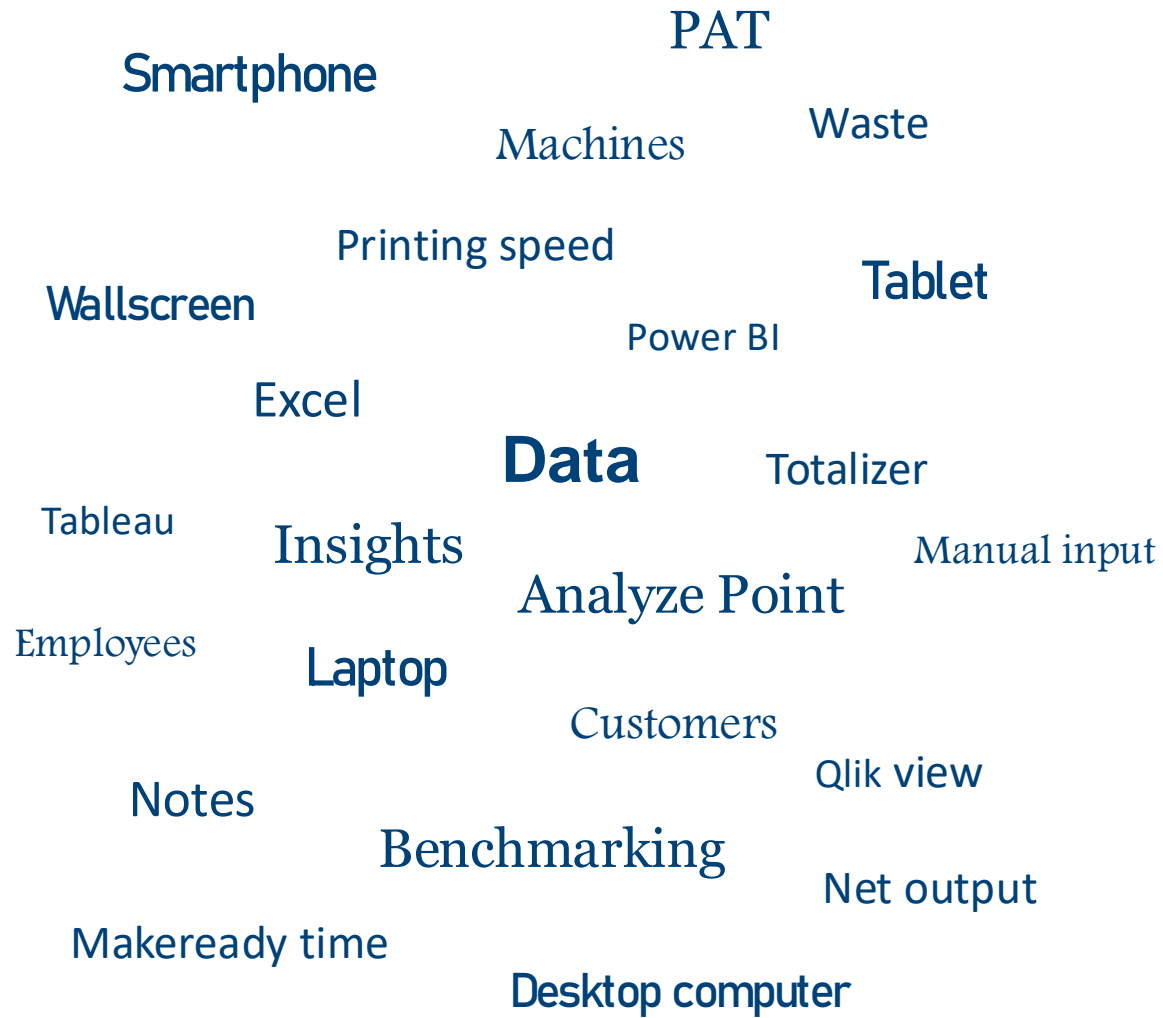
1. Introduction: the world of data
2. Print Shop Analytics as of now
3. What the future reserves

# The world of data





# How do you use data in your business?



## How do you use data in your business?



If you had the chance to ask anything that could be answered with the data from your organization, what would be your question?

Please enter your question in the form!



<https://forms.office.com/e/DkcUjndSDz>

## Print Shop Analytics - Your Data Power Tool.

Data is an important key element for improving a company's performance. For the first time, all relevant data is merged into one solution and will be presented and interpreted real time in our new technology "Print Shop Analytics" in the Portal. This automated analysis will support you and your business with a holistic 360° overview of the Print Shop.

- ✓ **Insights** provide an overview of all relevant key performance indicators.
- ✓ **Performance Benchmarking** gives you detailed insights into the job-specific performance of the machine in the respective market segment.
- ✓ **PAT** our artificial intelligence monitors the printing process, detects deviations and suggests suitable optimization measures to make your business more effective.

Print Shop Analytics



Insights



Benchmarking



PAT

Includes smart notifications 



# What is new?

We have developed several features since the last user days.

- KPI target values per machine
- KPI Overview in the list of jobs
- Optimized progress view
- Sheet travel error widget





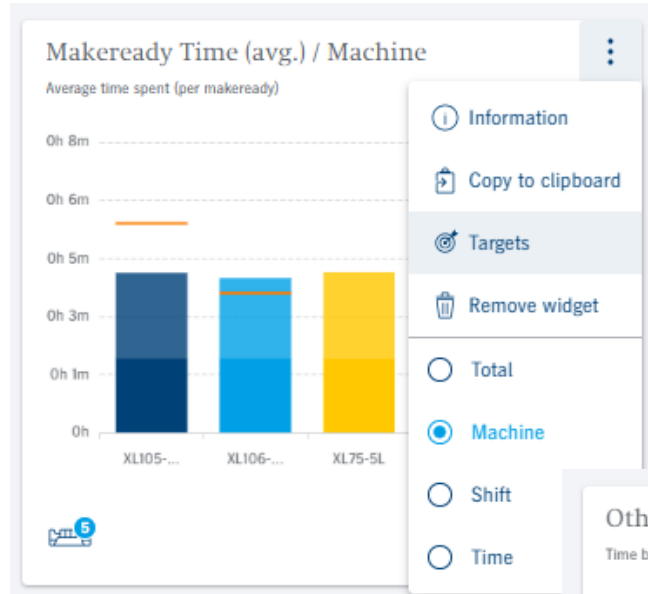
# Target values

Set targets for selected KPIs per machine for the whole organization and track if you are achieving the target.

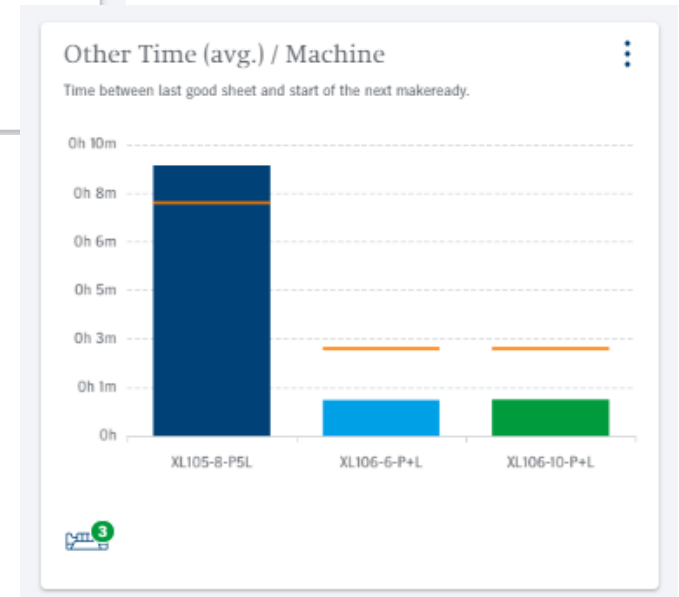
This feature is available for the visualizations per machine and time and is applied to following Widgets:

Waste Impressions (avg.) / Net Output / Net Productivity / Speed for Good Production (avg.) / Other Time (avg.) / Makeready Time (avg.) / OEE / OEE Time / OEE Speed / OEE Quality.

You need admin rights to set and change targets.



Implemented for all ✓



# KPI overview for job list

See an overview of the main KPIs and information before clicking on an operation.

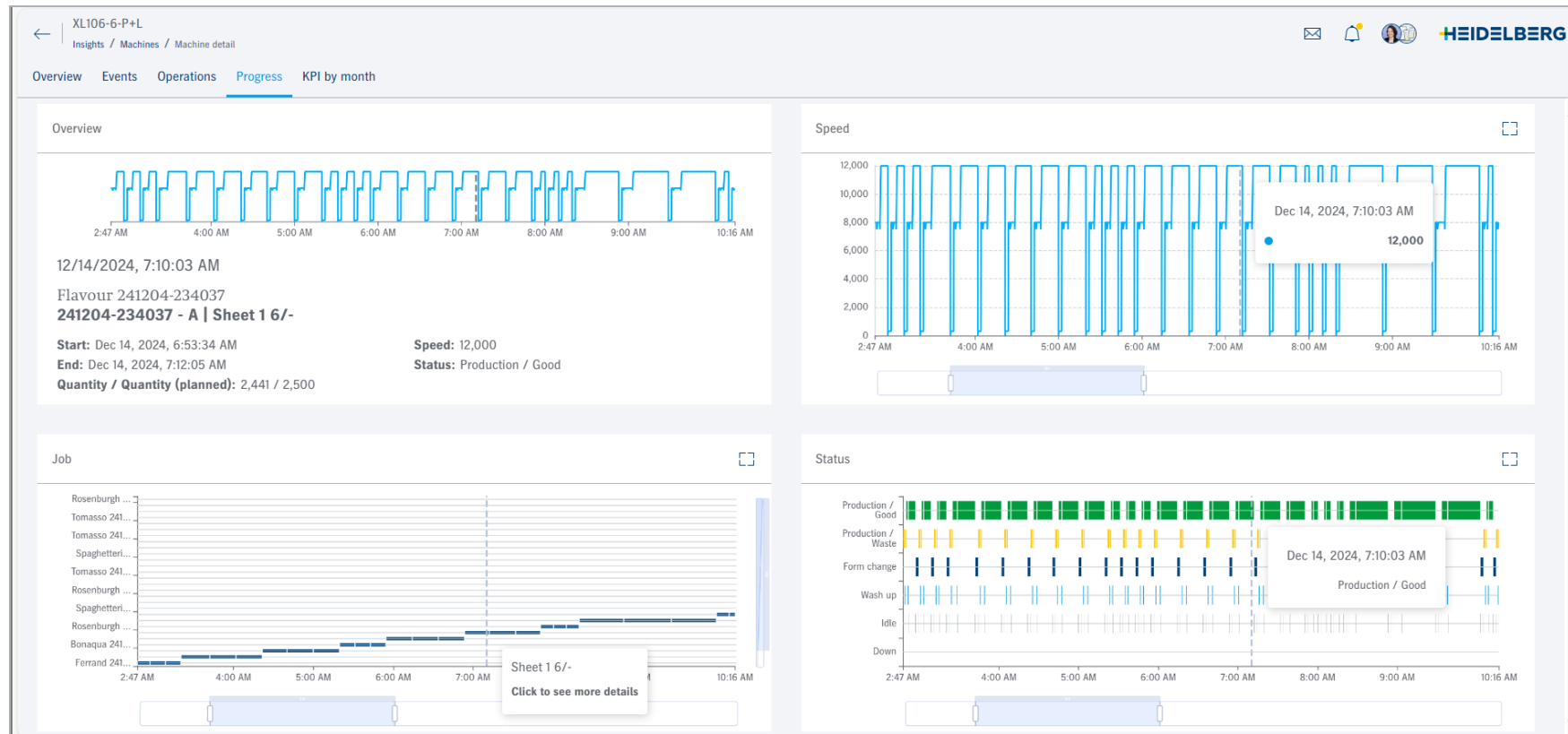
Implemented for all ✓

| Operation<br>Job Name<br>(Job ID   Operation Name)         | Machine     | Start<br>Date<br>Time | Total time<br>Deviation<br>spent / target | Quantity<br>spent<br>target | Waste count<br>Deviation<br>spent / target | Material   | Status      |
|--|-------------|-----------------------|---|-----------------------------|--|--|-------------|
| Bonaqua 241209-013929<br>(241209-013929 - A   Sheet 2 5/-) | XL106-6-P+L | 12/18/24<br>8:30 AM   | -12m 57s<br>35m 37s / 48m 34s             | 5,330<br>5,000              | -63<br>237 / 300                           | Paper_74_80g / PPF_Paper_74_80g<br>1,000 mm × 700 mm / 80 g/m <sup>2</sup> | ✓ Completed |
| Bonaqua 241209-013929<br>(241209-013929 - A   Sheet 1 6/-) | XL106-6-P+L | 12/18/24<br>7:56 AM   | -15m<br>33m 34s / 48m 34s                 | 5,269<br>5,000              | -5<br>295 / 300                            | Paper_74_80g / PPF_Paper_74_80g<br>1,020 mm × 720 mm / 80 g/m <sup>2</sup> | ✓ Completed |
| Bonaqua 241208-230059<br>(241208-230059 - A   Sheet 3 5/-) | XL106-6-P+L | 12/18/24<br>5:34 AM   | -14m 17s<br>11m 26s / 25m 43s             | 961<br>1,000                | +50<br>270 / 220                           | Paper_74_80g / PPF_Paper_74_80g<br>1,000 mm × 700 mm / 80 g/m <sup>2</sup> | ✓ Completed |
| Bonaqua 241208-230059<br>(241208-230059 - A   Sheet 2 5/-) | XL106-6-P+L | 12/18/24<br>5:22 AM   | -14m 16s<br>11m 27s / 25m 43s             | 1,056<br>1,000              | +57<br>277 / 220                           | Paper_74_80g / PPF_Paper_74_80g<br>1,000 mm × 700 mm / 80 g/m <sup>2</sup> | ✓ Completed |

# Optimized progress view

See more information on the progress of a job. Now available for the last 45 days.

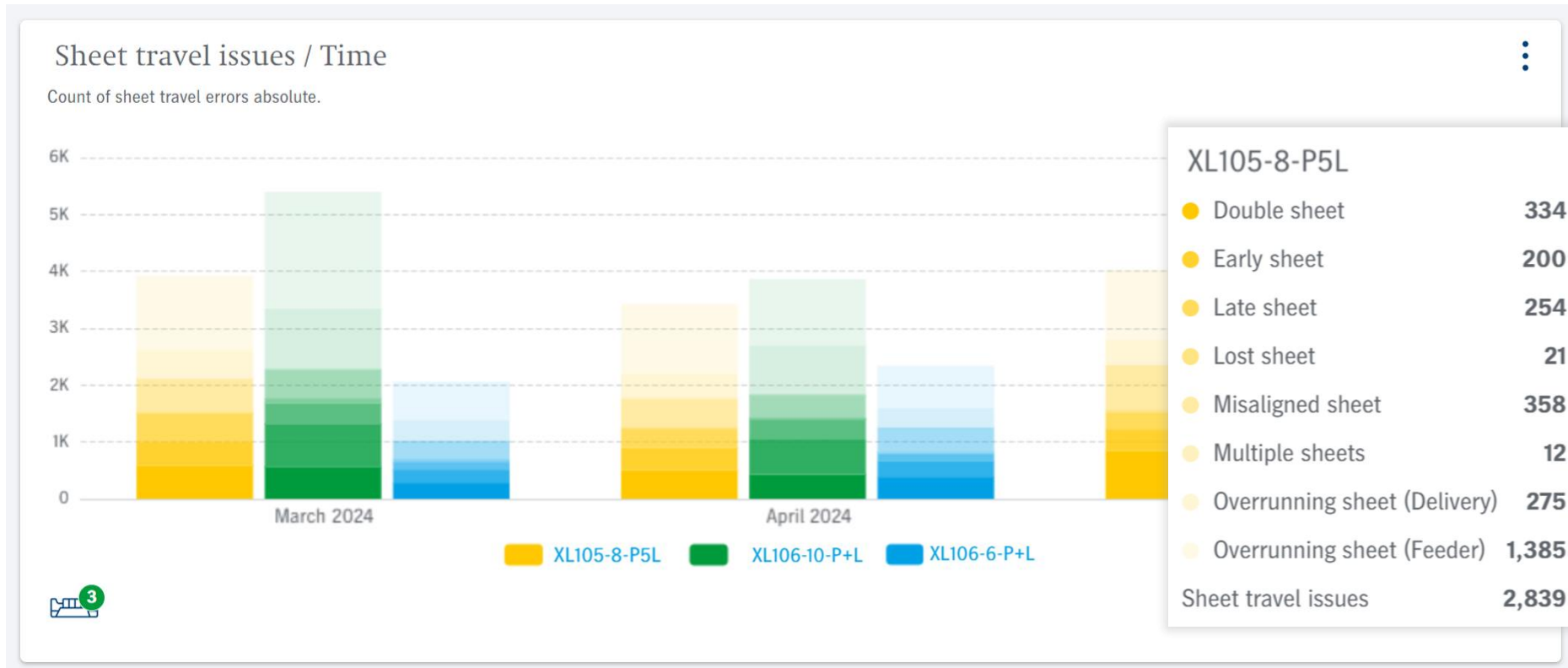
Implemented for all ✓



# Sheet travel issues

See the most common sheet travel errors in your print shop.  
 This widget is available for machines with Software from Version 15B.

Implemented for all ✓





# What is new?



- KPI target values per machine
- KPI Overview in operations list
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Implemented for all ✓

Some features are already in the test phase:

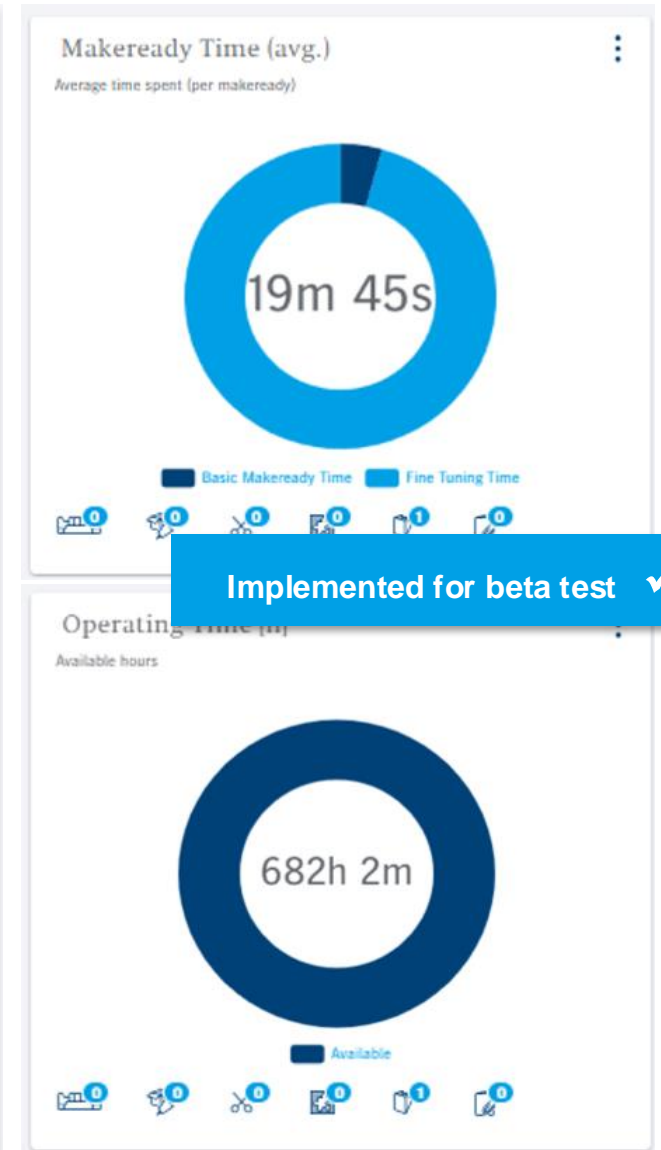
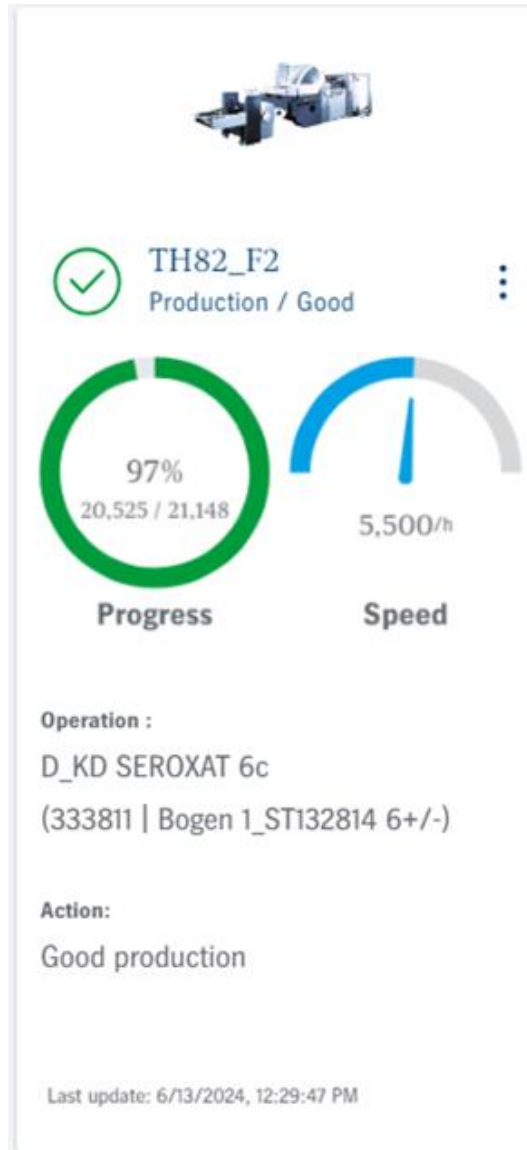
- Postpress equipment integration
- Color quality reports
- Inspection reports
- Energy consumption widget

# Postpress equipment integration

Visualize Cutters, DieCutters, SheetFolders, FolderGluer and Stitchers from Heidelberg or partners, which are connected to the Prinect Workflow either directly or via the Data Terminal (Data Capture app in the future).

Visualization of the data in real time and as widgets

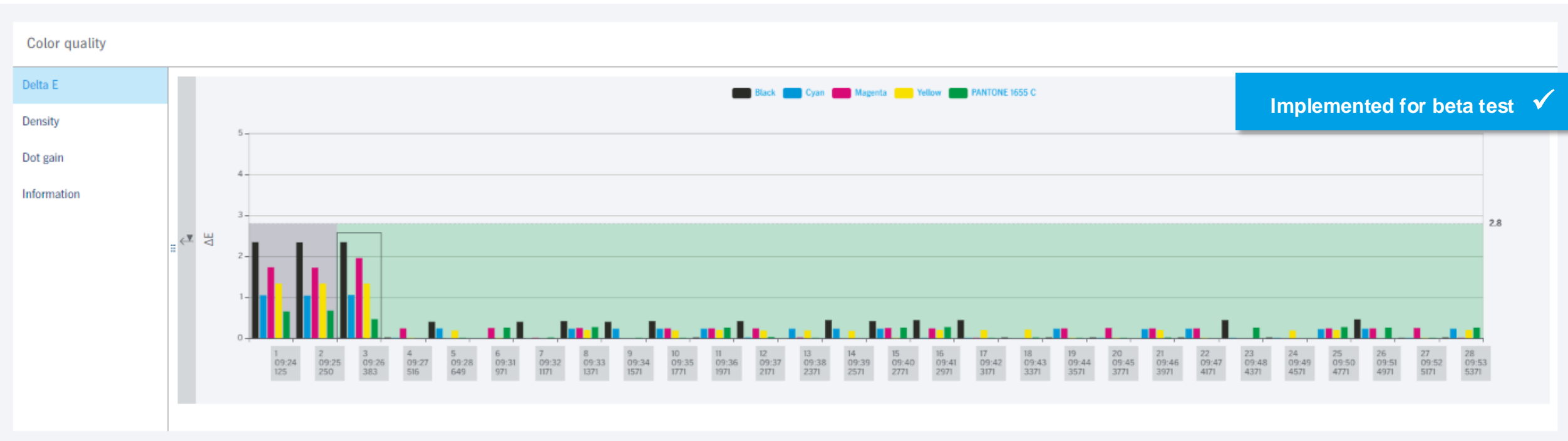
Makeready Waste, Waste Amount, Gross amount, Net amount, Number of operations, Run length (avg.), Total time deviation, Processing time deviation, Makeready time (avg.) and Operating time.



Implemented for beta test ✓

# Color quality reports

- The color quality reports can be visualized for all online connected devices, including Inpress Control, Axis Control, Image Control and Easy Control.
- More compact and interactive reports in early stage of development.



# Inspection reports

Inspection reports developed for Inspection Control 4, available in field test

Arbeitsgang Details  
Übersicht Fortschritt Performance Qualität **Inspektion**

Flavour 240209-140920  
BG21023853-P | FB001 4/4

Status: Abgeschlossen  
 Maschine: XL 106-8PL (ID: 3110) FS001234  
 Beginn / Ende: 28.09.23 15:42 / 28.09.23 15:45  
 Druckart: Umstulpen (Wendeeinrichtung)  
 Bedruckstoff: BS20200210A (N20200210A) 1050 mm x 740 mm 135 g/m²  
 Paletten: 3

Inspektionsbericht

Bogen

| Inspektiert: | Überschneitend: | Mit Abweichungen: | Nicht inspektiert: | Klein: | Mittel: | Groß:   |
|--------------|-----------------|-------------------|--------------------|--------|---------|---------|
| +1 121       | +1 18 (4,87%)   | +1 103 (85,12%)   | +1 129             | +1 0   | +1 121  | +1 2240 |
| +1 122       | +1 18 (4,75%)   | +1 104 (85,25%)   | +1 128             | +1 0   | +1 121  | +1 2080 |
| +1 122       | +1 118 (96,72%) | +1 4 (3,28%)      | +1 128             | +1 0   | +1 0    | +1 160  |

Heatmap

Inspektionsprozess

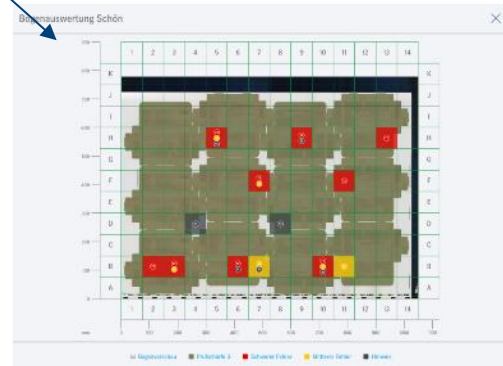
Arbeitsgang Details  
Übersicht Fortschritt Performance Qualität **Inspektion**

893 - 893 Geometrie in Prüfbild geändert 0000001172 Schön

Erkannte Abweichungen

| Abweichung                           | Größe                      | Quadrant | Position | Bogenklasse | Start | Ende | Anzahl | Seite | Bildreferenz |
|--------------------------------------|----------------------------|----------|----------|-------------|-------|------|--------|-------|--------------|
| <b>Groß</b><br>11.12.2023<br>14.9.21 | 25 mm²<br>356 mm<br>231 mm | E5       |          | Gutbogen    | 131   | 148  | 00     | Schön |              |
| <b>Groß</b><br>11.12.2023<br>14.9.21 | 58 mm²<br>356 mm<br>255 mm | Q9       |          | Gutbogen    | 267   | 301  | 00     | Schön |              |
| <b>Groß</b><br>11.12.2023<br>14.9.21 | 67 mm²<br>401 mm<br>279 mm | D13      |          | Gutbogen    | 403   | 454  | 00     | Schön |              |
| <b>Mittel</b><br>11.12.2023          | 20 mm²<br>45 mm            | Q7       |          | Gutbogen    | 539   | 607  | 00     | Schön |              |

Implemented for beta test ✓



Information zur Abweichung

Abweichung: 25 von 31  
Bogen: 131 bis 148  
Eigenname: 0000000455  
Quadrat: 5J  
Fläche: 0,06 mm²  
Position: x = 301,0 mm  
y = 695,0 mm

Max. Ist-Bild

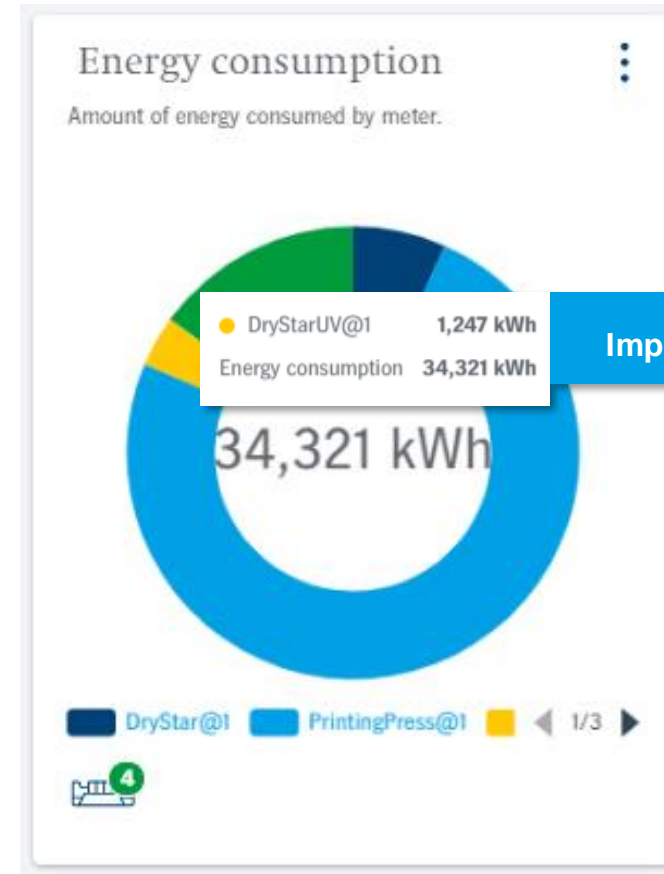
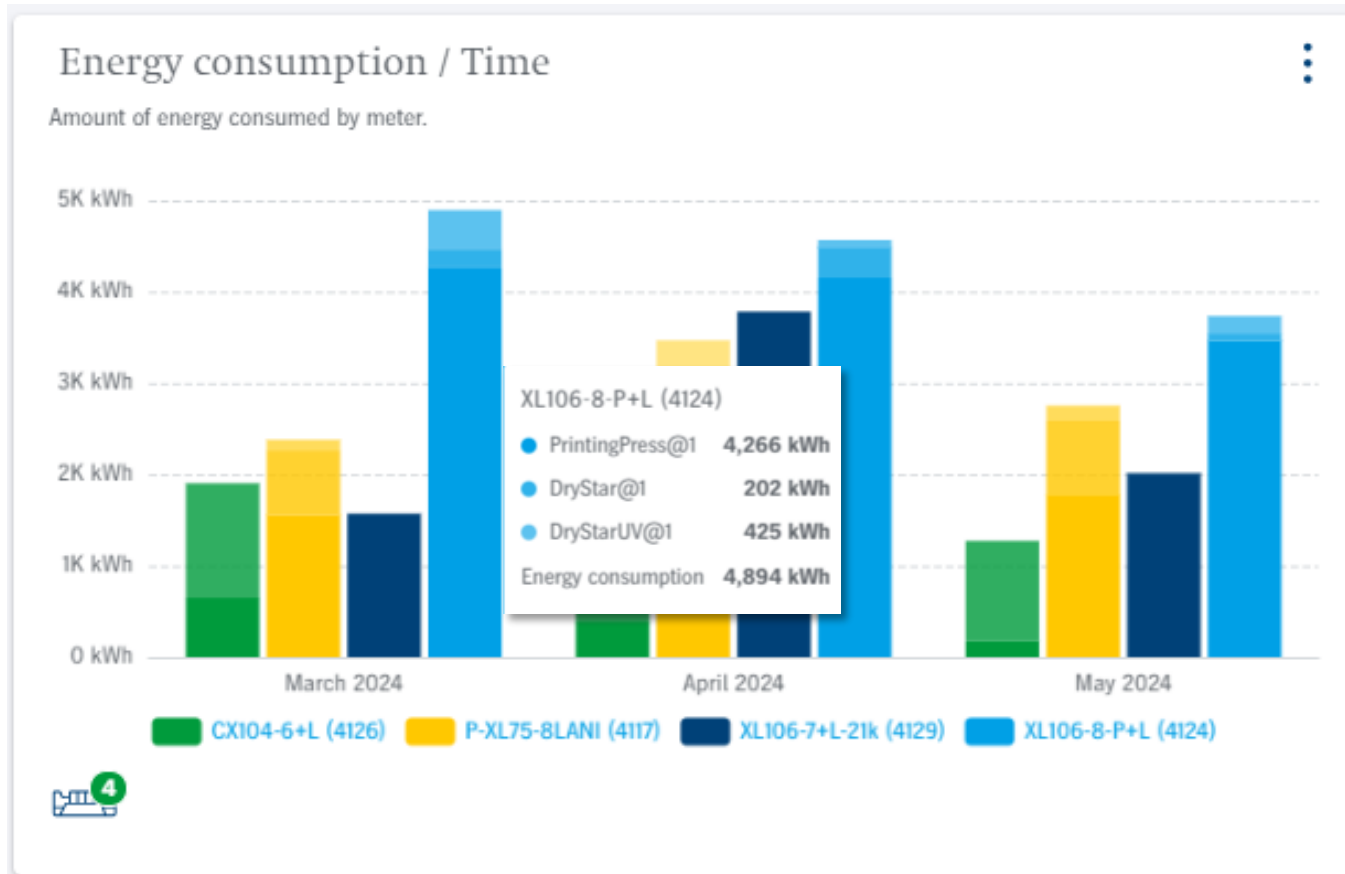
Min. Ist-Bild

Soll-Bild



# Energy consumption

Visualize the energy consumption of your sheetfed offset machines through widgets in the dashboards. See the energy consumption per print operation.



# Live Demo





## What is new?



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- Sheet travel error widget

Implemented for all ✓

- Postpress equipment integration
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- Inspection reports
- Energy consumption widget

Implemented for beta test ✓

And there are some features we are working on an will be soon available for testing...

# Jetfire in Insights

The new Jetfire 50 is already being integrated in Insights.

931001289

✓ Jetfire Test Angehalten

**Heute**

0 Aufträge gedruckt 0 Drucke

**Wartend**

0 Aufträge 0 Drucke

**Arbeitsgang:**

-

Letzte Aktualisierung: 8.11.2024, 17:35:59

Insights / Machines / Machine detail

Overview Operations

Jetfire50\_HD  
**931001268**

Type: Digital printer      Software Version: / PWFDP5\_959.0

Online Since: Jul 25, 2024, 2:04:28 PM

**Fill Level**  
Last update: 1/13/25, 2:17 PM

| Color     | Fill Level (%) |
|-----------|----------------|
| Cyan      | 30             |
| Magenta   | 30             |
| Yellow    | 30             |
| Black     | 20             |
| ColorGrip | 40             |

**Paper Tray Info**  
Last update: 1/13/25, 2:14 PM

| Name    | Amount | Media Name                |
|---------|--------|---------------------------|
| Tray-1  | 156    | MagnoMatt115Sappi         |
| Tray-2  | 216    | Magno Satin               |
| Tray-3  | 697    | Magno Gloss               |
| Tray-4  | 187    | Soporset Premium 150 SRA3 |
| Tray-13 | 204    | Target_160gsm             |
| Tray-14 | 289    | MagnoNatural_250gsm       |

**Available soon**



## Artificial intelligence in Insights

**What would you ask to  
your company data, if you  
could ask anything?**



# Artificial intelligence in Insights

- Implementation of a Chatbot based on Insights Data to make the analysis of your data easier.

The screenshot shows a chatbot interface with a sidebar on the left and a main chat area on the right. The sidebar contains a 'Neuer Chat' button and a search bar labeled 'Suchen'. The main chat area displays a conversation where a user asks 'Which machine produced the most during this week?' and the chatbot responds with a detailed analysis of machine 104801's performance.

Willkommen

Neuer Chat

Insights questions

Neuer Chat

Suchen

Which machine produced the most during this week?

Based on the results of our query, I can confirm that the machine that produced the most impressions this week is:

Machine Serial: 104801 Total Impressions This Week: 469,311

This machine has outperformed the others in terms of total impressions for the current week. It's interesting to note that while our previous analysis showed that machine 104801 had the lowest overall utilization rate, it has managed to produce the highest number of impressions this week.

This result aligns with our earlier observation that machine 104801 has the highest average hourly output when it is running. It seems that despite its lower overall utilization, when this machine is in operation, it's highly productive.

Beschreibe dein Problem

KI-Modelle können Fehler machen. Bitte überprüfen Sie unbedingt wichtige Informationen.

Available soon

# Live Demo



More on AI at 17:00:

**Innovating Service: HEIDELBERG AI Service Assistant**



Room: Forum 3A | Language: english

Presenter: Jan Bock / Niklas Niemann



# What is new?



- KPI target values per machine
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- Sheet travel error widget
  
- Postpress equipment integration
- Color quality reports
- Inspection reports
- Energy consumption widget
  
- Jetfire integration
- Artificial intelligence chat bot

Implemented for all

Implemented for beta test

Available soon



Got interested?



Let us work together!

Be part of our beta test group and help us develop this and other exciting features.

Thanks for joining!



**Carolina Viterbo**  
Product Manager

[Carolina.Viterbo@heidelberg.com](mailto:Carolina.Viterbo@heidelberg.com)

**Fabian-Victor Schroeder**  
Product Owner

[Fabian-Victor.Schroeder@heidelberg.com](mailto:Fabian-Victor.Schroeder@heidelberg.com)