

LET'S CONNECT

■■■■ PRINECT ■■
USER DAYS

Workshop 1 / 13

Prinect Production Commercial

Prinect 2021.10. Workshop in a Nutshell

1. **Continuous Releases for Utilization of more recent**
 - Operating Systems
 - Software components like Prinect Press Center Mobile
 - Devices (e.g. Proofer)

Interaction with

- Prinect Business Manager 7.28, soon 7.29

Implementation of additional functionality

2. **Connects to HEIDELBERG Customer Portal in more than 40 countries**
 - Print Shop Analytics
 - planned: Data Capture App
3. **Prinect Data Base Engine**
→ UPDATE-ANNOUNCEMENT
3. **Multidot: a new Screening Technology**

Prinect 2021.10.15 – brought some awaited features

1. Combiner functionality in PPF Handler

→ Automated PPF Handler available since 2021.10

→ 2021.10.15 with **Combiner functionality:**

- Combine PPF files
- effect manual changes

Help - Prinect Cockpit 2021.10

Changing PPF jobs manually

The settings described above affect the automatic processing of print jobs and the correction of any error messages that may occur during processing. There may also be cases where manual intervention is required in PPF processing.

Changing job name or sheet name

In some cases, the PPF files do not have "Job number" or "Sheet name" attributes, and these cannot be derived from the file name with an attribution rule either. As a consequence, the PPF file cannot be imported correctly into the Prinect Production workflow and is "Paused" in the PPF list of PPF Handler (yellow icon). You can add these vital attributes to the PPF parameters manually here. Proceed as follows:

Status	Job Number	Sheet	Job Name	Creation Date	Process	No. of separations
Color not defined	M2021	Sheet01	7 Color Job 7/-	30-06-2021	XL105-8P5	7 / 0
Missing PPF Job Number		..undefined_sheet!!!	PPF Press XL105-8P5 6/-	05-07-2021	XL105-8P5	6 / 0
Missing PPF Job Number		Sheet01	2 Sheets 6/-	05-07-2021	XL105-8P5	6 / 0
Missing PPF Sheet Name	M6001	..undefined_sheet!!!	2 Sheets 6/-	05-07-2021	XL105-8P5	6 / 0
Color not defined	M7010	FB01	M7010 6/-	05-07-2021	XL105-8P5	6 / 0
Color not defined	M6009	FB01	PPF Press XL105-8P5 6/-	05-07-2021	XL105-8P5	6 / 0

3rd Party Prepress with Production Press

PPF Handler – Combiner functionality

Status	Bogen	Auftragsnummer	Auftragsname	Erstellungsdatum	Prozess	Anzahl Auszüge	Versionen	Combine
OK	FB 001	PPF_Spezial_A_VA02	Name_PPF_Spezial_B_V23	11-11-2022	PPF-Combine_WpiTest_XL75-8-P5L	1 / 0		
OK	FB 001	PPF_Spezial_A_VA02	Name_PPF_Spezial_B_V23	11-11-2022	PPF-Combine_WpiTest_XL75-8-P5L	0 / 1		
Zusammengesetzter Bogen	FB 001	PPF_Spezial_A_VA02	Name_PPF_Spezial_B_V23	11-11-2022	PPF-Combine_WpiTest_XL75-8-P5L	1 / 1		
OK	Schnel_0 1	253711	3 Versionen DE, EN, FR je 16 Seiten	10-03-2022	mediaban S	1 / 0	DE_001	
OK	FB 001	PPF_Spezial_A_VA01	Name_PPF_Spezial_B_V23	11-11-2022	PPF-Combine_WpiTest_XL75-8-P5L	1 / 0		
OK	FB 001_GK	PPF_Spezial_A_VA01	Name_PPF_Spezial_B_V23	18-11-2022	PPF-Combine_WpiTest_XL75-8-P5L	1 / 0		
OK	FB 001_GK	PPF_Spezial_A_VA01	Name_PPF_Spezial_B_V23	17-11-2022	PPF-Combine_WpiTest_XL75-8-P5L	1 / 0		
OK	FB 001_GK3	PPF_Spezial_A_VA01	Name_PPF_Spezial_B_V23	18-11-2022	PPF-Combine_WpiTest_XL75-8-P5L	1 / 0		
OK			Combinertest 6	28-06-2022	DtTest_CD102-5L	0 / 1		
OK	1	123456	Selling Christmas Shopping 2022	30-11-2022	rot90	4 / 4		
OK			New_CD102-DT			1 / 0	IT_004	
OK	Test 123	253717	Brochur 4+40 pages 4 versions	14-03-2022	DtTest_SM74-8-P5L	0 / 1	DE_001 EN_002 FR_003 IT_004	
OK	Test 123	253717	Brochur 4+40 pages 4 Versions	16-03-2022	FastTest_CD102-DT	0 / 1	IT_004	

Allows to manually ...

→ combine front PPF and back PPF arriving separately

→ combine / change front / back

→ add a varnish PPF as separation

→ combine version black with version color separations

Prinect 2021.10.15/16. Some highly welcome features

1. Combiner functionality in PPF Handler

- Automated PPF Handler available since 2021.10
- 2021.10.15 with **Combiner** functionality released
 - Combine PPF files / effect manual changes

2. MAC OS13.2 (Ventura) released for Prinect

- new Macintoshes usable “off shelf”
- special benefit for Prinect PDF Toolbox: native mode

(macOS Sonoma in final test with P2021.10.28 / PDF Toolbox 21.10.48)



3. Business Manager 7.28

Full new BM version included in Cumulative Update Package

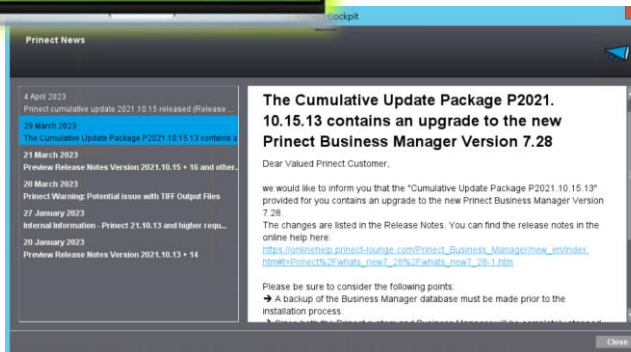
- Business Manager customers got “heads up” from PMC to do backup before the upgrade

4. Color Workflow news

- **Prinect Color Toolbox** displays SCTV and includes “Quality Monitor” for Prinect Image Control
- **Prinect Multicolor** process supported by
 - template for mixed screenings
 - possibility to exclude marks + images
 - service offer for color table optimization by SSU

→ Pantone ® Connect-Info

Prinect users do not need a “Pantone ® Connect” license for Prinect Production (Color workflow, Prinect Color Toolbox, Prinect PDF Toolbox)

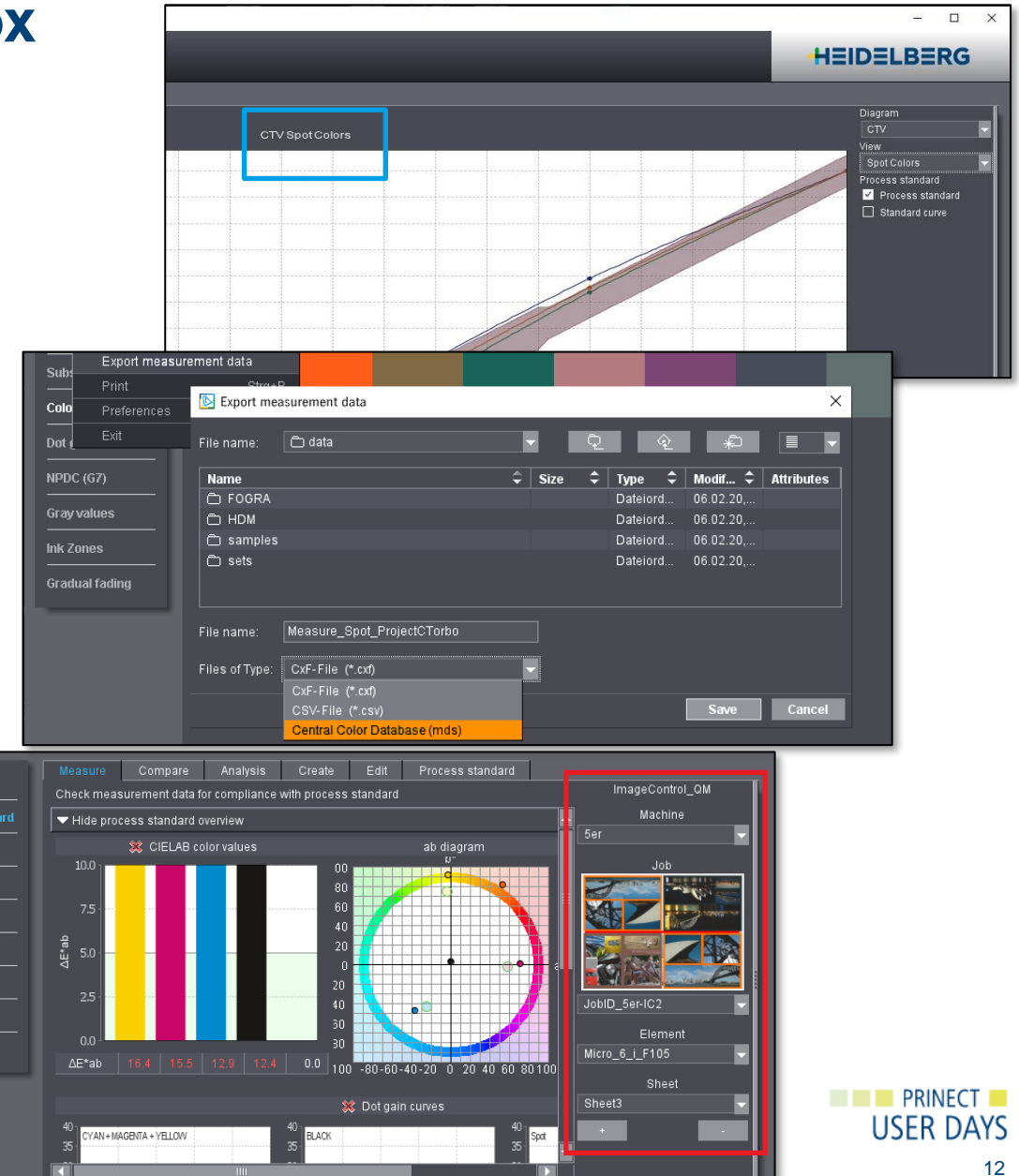


5. Print Shop Analytics

- Insights displays connected **Versafire** in Machine real time view

2021.10.15/16 - News for Prinect Color Toolbox

- Additional new type of display: Tone value increase shown as **CTV diagram**
 - Recommended for spot colors Orange, Green, Violet when using Multicolor
- **Export of measuring data** out of Color Toolbox
 - Directly to color library
 - As CxF file to external applications
 - Easy data transfer based on international standard CxF
- Color Toolbox report „**Quality Monitor**“ available for **Prinect Image Control**
 - Extended functions for Prinect Image Control 4 (preview, gray balance check, ...)

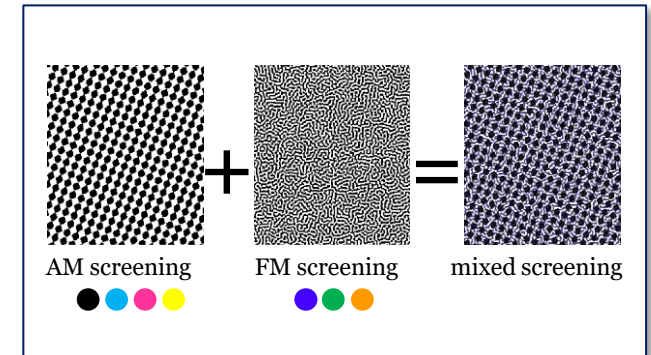


2021.10.15/16 - News for Prinect Multicolor Workflow

Multicolor mixed screening scheme available **out of the box**

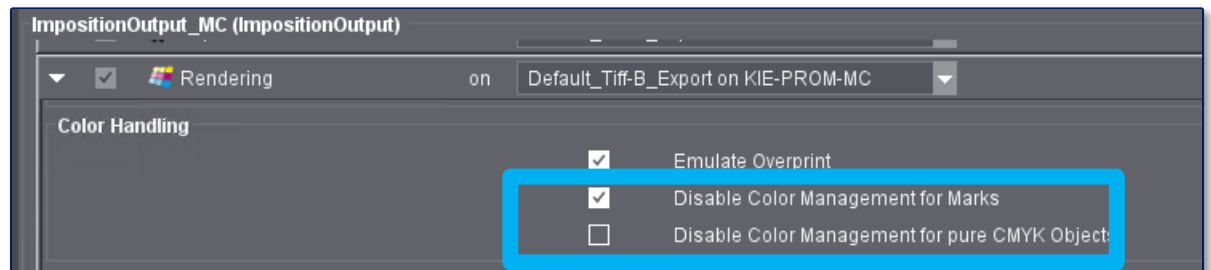
- AM screening for BCMY, FM screening for VGO

→ Multicolor sequence can be generated quickly



New button for **excluding marks and images** from Multicolor separation in order to keep them in CMYK

→ Easy way to keep marks authentic and save user's time



Prinect 2021.10.16. Additional Proofers and Techkon Spectro Dens with Color Proof Pro 7.3.5

- Proofers**
- Canon imagePROGRAF GP-2000 CT
 - Canon imagePROGRAF GP-2000 RGB
 - Epson SC-P85X0D/DL CT
 - Epson SC-P85X0D/DL RGB

▼ Color Proof Pro

- 2019
- 2020
- 2021
- 2021.10

[Color Proof Pro Device list \(PDF\)](#)

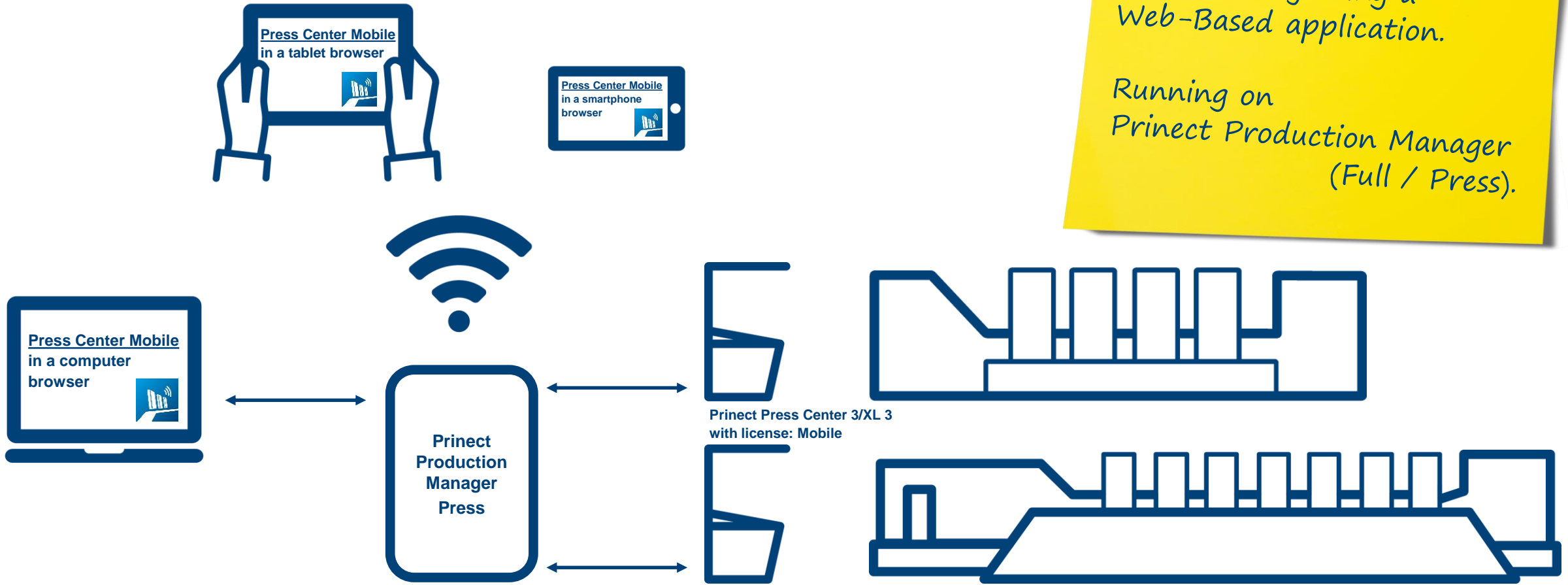
External Color Measurement Device

Techkon SpectroDens (Premium)

(*contains)

2021.10.16 – supports Press Center Mobile New, flexible Web application option for the Speedmaster

Full flexibility being a Web-Based application.
Running on Prinect Production Manager (Full / Press).



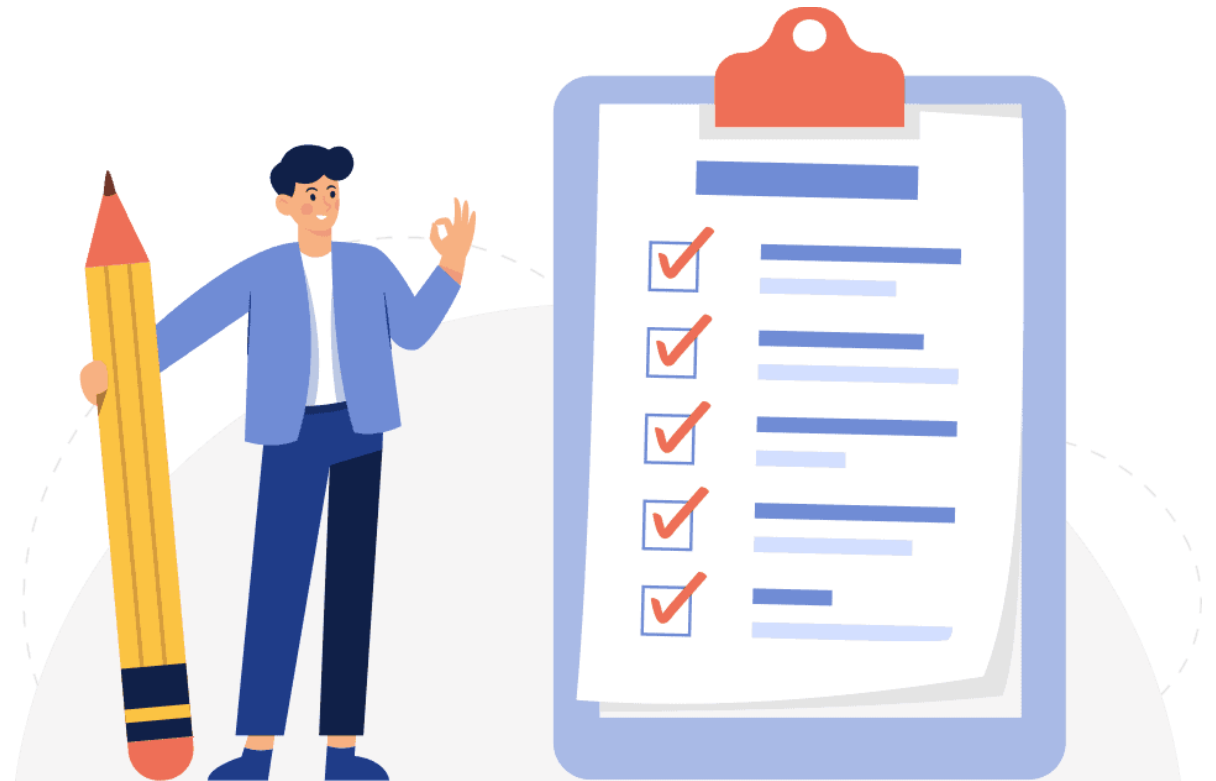
→ Note: The network connection between the Production Manager and the Press Center Mobile web application is made via an **internal WLAN or WiFi connection** of the print shop.

Prinect 2021.10.16 – supports Press Center Mobile option

(↪ MyWorkAssistant will become part of Task Pilot → WS 23)

Prerequisites for using Press Center Mobile option:

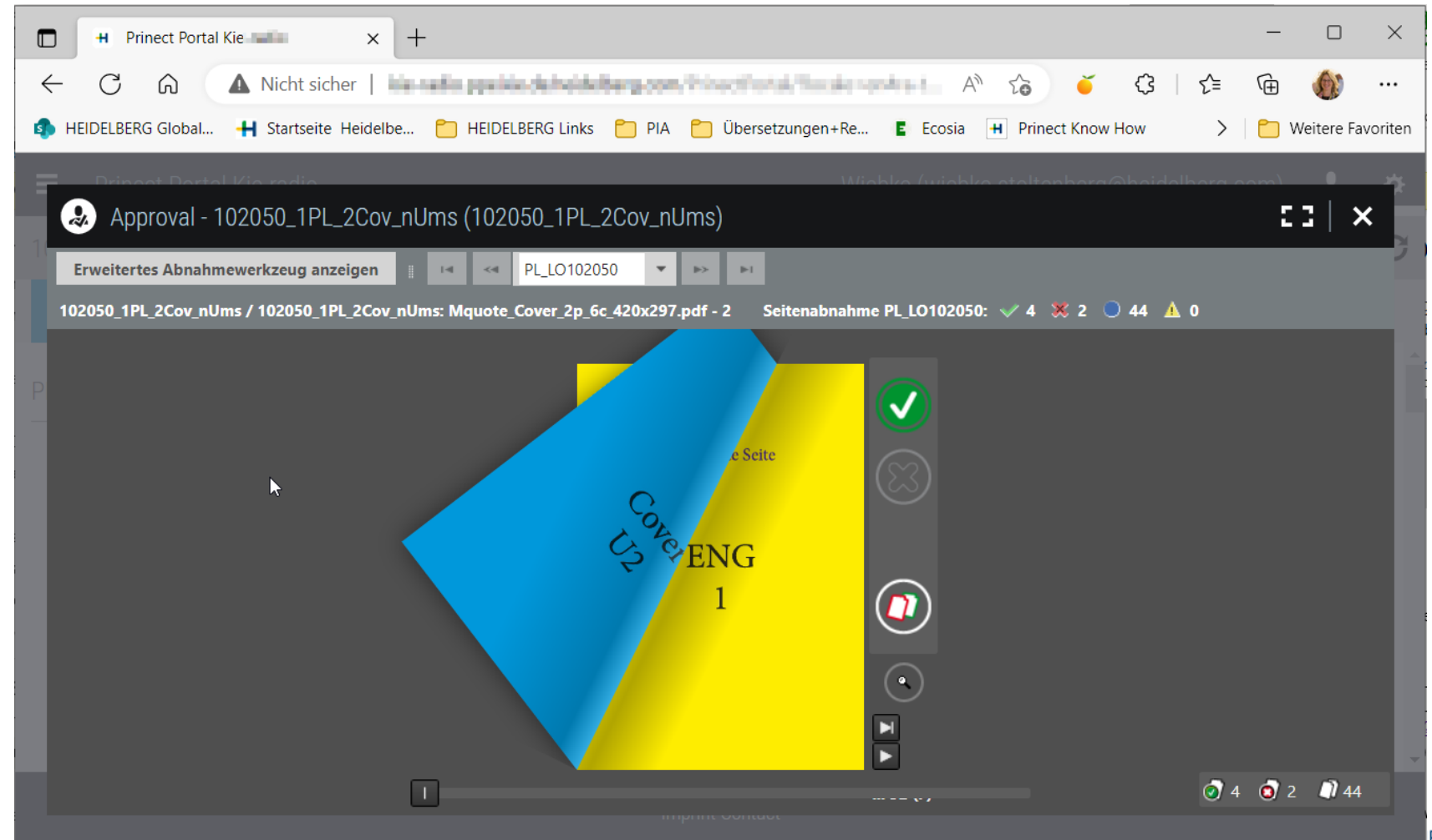
1. The customer needs a **Prinect Production Manager** with an up-to-date Prinect version (**Version 21.10.16.12** or higher)
2. Connection of the press to the Production Manager machine with the license:
Prinect Press Center 3/XL 3 Instant Gate
3. Speedmaster press with a Prinect Press Center 3/XL 3 and the license: **Prinect Press Center 3/XL 3 Mobile**
4. Speedmaster press with a Prinect Press Center 3/XL 3 and the **Software Version S23A or higher**
5. **Computer, tablet or smartphone with an up-to-date web browser and an Ethernet WLAN or LAN connection to the Prinect Production Manager Press**



Prinect 2021.10.18 – brought Flipbook approval for cover + body pages in one go

→ Saddle stitched
4 pages cover

→ Perfect bound
- 6 pages cover
(front, back, spine)
– or 2 large pages



Prinect 2021.10.18 – ... and: Team Viewer Host Software for secure and easy online-support

- available for PC
upcoming for MAC
- half-yearly updates expected
- You can allow/deny unattended access for HEIDELBERG employees (Access securely managed via Active Directory + logged)
- Connection via dedicated router for HEIDELBERG
- strictest firewall rules



[Functions & Workflow \(prinect-lounge.com\)](http://prinect-lounge.com)

Prinect 2021.10.26. Brings additional Proofer support with Color Proof Pro 7.10

Epson SC-T77x0 CT

Epson SC-T77x0 RGB

Epson SC-T37x0D/DE/DR CT

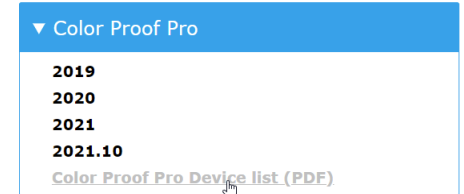
Epson SC-T37x0D/DE/DR RGB

Epson SC-T37x0E CT

Epson SC-T37x0E RGB

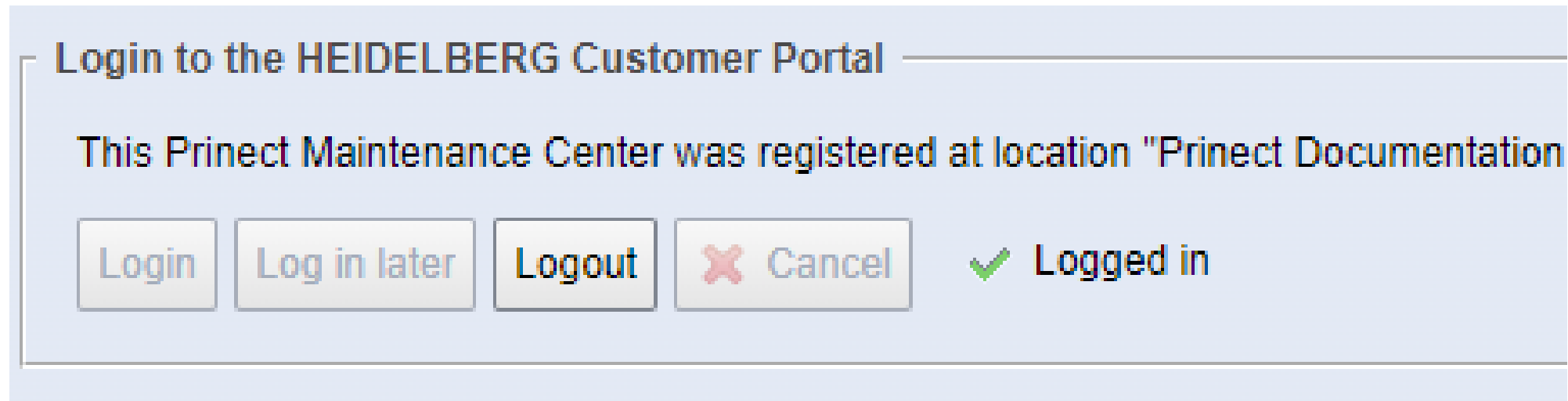
Epson SC-T57x0D CT

Epson SC-T57x0D RGB



(*contains)

Prinect 2021.10 - HEIDELBERG Customer Portal connection. Live in more than 40 countries



→ Print Shop Analytics

- Free version available from connection
- Contract version available via SSU

→ Heidelberg Assistant

- Migration until end of this year

→ next: Data Capture App

- shall replace Data Terminal, parallel use possible until functionality is sufficient

- Field test in December

HEIDELBERG Customer Portal. Data Capture App – the next addition

The screenshot displays the Heidelberg Data Capture App interface. The top navigation bar includes a back arrow, the user 'DT_KH78 DEV', the current page 'Data Capture / DT_KH78', and the Heidelberg logo. Below the navigation bar, there are tabs for 'Operations' and 'Other activities'. A search bar is located on the left side of the main content area.

The main content area is divided into two sections. The left section shows a list of jobs, each with a card containing the following information:

- 230412-111241_DCA** (highlighted in blue): Job Name: DCA_230412-111241, Operation: Inner_Text F16-06..., Start Time: -, Planned Amount: 523, State: DC.OPERATION_C...
- 230925-103802_DCA** (with a pause icon): Job Name: DCA_230925-1038..., Operation: Signature 8 pages..., Start Time: 27/09/23 08:36 AM, Planned Amount: 3077, State: Paused
- 230925-120959_DCA** (with a warning icon): Job Name: DCA_230925-1209..., Operation: Signature 16 page..., Start Time: 27/09/23 10:12 AM, Planned Amount: 4610, State: Planned predeces...
- 230925-120959_DCA** (with a warning icon): Job Name: DCA_230925-1209..., Operation: Signature 8 pages..., Start Time: 27/09/23 11:00 AM, Planned Amount: 4610, State: Planned predeces...
- 230928-094855_DCA** (with a warning icon): Job Name: DCA_230928-094..., Operation: Signature 16 page..., Start Time: 30/09/23 05:41 AM, Planned Amount: 5127, State: Paused
- 230928-094855_DCA** (with a warning icon): Job Name: DCA_230928-094..., Operation: Signature 16 page..., Start Time: 30/09/23 05:41 AM, Planned Amount: 5127, State: Paused
- 230928-095303_DCA** (with a pause icon): Job Name: DCA_230928-095..., Operation: Signature 16 page..., Start Time: 30/09/23 05:41 AM, Planned Amount: 5127, State: Paused

The right section shows a detailed view of a job titled 'Inner_Text F16-06_dd_4x2 F16-6'. The job status is 'Aborted' with a total time of '00 h 35 m 14 s'. Below this, the production statistics are shown: 'Good: 0 / 523' and 'Waste: 0 / 33'. At the bottom of the detailed view, there are buttons for 'Makeready', 'Produktionslauf', and 'Pause'. A 'Messages' section is also visible, and a 'DCA Fold - Downtime' section is partially visible at the bottom.

The bottom status bar shows the user 'dominic.stahl@heidelberg.com', the number of machines 'Signed in to 2 machine/s', a warning 'No shop floor data collection has been tracked for at least one workstation.', and the current time '39 h 55 m 06 s'.

Announcement for next year: Prinect Database Engine Upgrade to MSSQL Server 2022

Why?

MSSQL Server 2017 sales period ended Oct. 2023

Implications

- 1. ALL** Prinect Workflow installations affected (Express AND Standard (= Data Center))
 - no downward compatibility in WF:
Changed Operating System requirements for new database version
 - NOT SUPPORTED: Microsoft Windows 7 & 8.1; Microsoft Server 2012R2
reflected in [Prinect System requirements / OS-Table](#)
- 2. Prinect Data Center upgrades**
 - OK with maintenance contract
 - ATTENTION:**
 - without maintenance contract: buy new data center
 - customer with own MSSQL Server license
needs to provide new license / new installation project needed



Microsoft®
SQL Server™



A new Screening-Technology:



MultiDOT^{2.1}

**CHANGE
THE WORLD
RIGHT NOW**

HEIDELBERG

5. DIMENSIONS OF TECHNOLOGY

MULTIDOT 2.1



A close-up photograph of a car's headlight assembly. The headlight is clear and shows internal components like the lens and reflector. Several bright yellow light trails are visible, suggesting motion or a specific lighting effect. The car's body is a vibrant blue color. The overall image has a high-tech, automotive feel.

1D.

**CREATE
QUALITY**

PERFECT REPRODUCTION
OF DETAILS
MOIRÉ-EFFECT RESISTANCE
HIGHEST COLOR GAMUT
EXCEPTIONAL IMAGE
VIVIDNESS



"Our customers have recognized Multidot as a revolution in the printing industry, especially in terms of sharpness and image quality ..."

Maciej Sierpiński - MDM Druk Owner



2D.

**CARE FOR THE
ENVIRONMENT**

LESS WATER CONSUMPTION
REDUCING ENERGY
CONSUMPTION
LOWER PAPER AND CHEMICAL USE

MULTIDOT

"The saving of ink, substrate (paper) and energy resulting from the use of Multidot makes customers willingly advertise themselves as conscious and environmentally friendly producers ..."

Wojciech Śląski - Drukarnia Triada Owner

IS CLASSIC
SMOOTH
ELLIPTICAL



3D.



STRENGTHEN
THE BRAND

**BUILDING THE BRAND IMAGE
BUYERS' ATTENTION
FOCUS
DISTINGUISHING AGAINST THE
COMPETITION
EXCEPTIONAL IMAGE
VIVIDNESS**

"Multidot supports communication with consumers, allows products to be distinguished among others and builds their positive image ..."

Norbert Goraj - Multipress CEO

Zawsze w dobrym stylu

MULTIDOT

**IS CLASSIC
SMOOTH
ELLIPTICAL**

4D.

INCREASE
EFFICIENCY

REDUCTION OF
MANUFACTURING COSTS
INCREASED PROCESS
EFFICIENCY
SHORTENING TIMES
BETWEEN OPERATIONS
SHORT RUN SUPPORT
RESISTANCE TO PRODUCT DIVERSITY

"The combination of HEIDELBERG automation and Multidot technology made the operator feel supported from all sides ..."

Jakub Paruszewski - Abedik Print Manager

GB Forest Fruit. Natural dried fruit tea in Nespresso compatible capsules.
Ingredients: flower of hibiscus, black chokeberry 15%, apple, wild strawberry 8%, blackberry 4%, blueberry 4%, raspberry 2%, flavour. Country of Origin: Poland. **Preparation:** Please rinse the machine by pressing a lungo button without the capsule inside. Put the capsule into your Nespresso machine and press Lungo button. Please press lungo button again if you wish. Enjoy our tea. Please rinse the machine after usage with no capsule inside. **DE Waldfrucht Tee. Früchtetee in für Nespresso[®] maschinen geeigneten Kapseln. Zusammensetzung:** Hibiskusblüte, Apfelbeere 15%, Apfel, Walderdbeere 8%, Brombeere 4%, Heidelbeere 4%, Himbeere 2%, aroma. Herkunftsland: Polen. **Zubereitung:** Säubern Sie die Maschine, indem Sie den "Lungo" Knopf drücken, ohne dass eine Kapsel in der Maschine ist. Legen Sie nun die Masala Chai Kapsel in die Maschine und drücken Sie den "Lungo" Knopf. Je nach Geschmack, können Sie durch erneutes drücken der Taste auch Wasser nachlaufen lassen. Entfernen Sie die Kapsel und lassen wie in Schritt 1 beschrieben klares Wasser durch die Maschine laufen um sie zu reinigen. **FR Fruits de la forêt. De thé aux fruits secs naturels dans les capsules compatibles avec les machines Nespresso[®]. Les ingrédients:** fleur d'hibiscus, aronia noir 15%, pomme, fraise des bois 8%, mûre 4%, myrtille 4%, framboise 2%, arôme. Pays d'origine: Pologne. **Préparation:** Rincez la machine en appuyant sur le bouton « lungo » sans capsules à l'intérieur. Introduisez votre capsule de thé dans la machine Nespresso et appuyez sur le bouton « lungo ». Appuyer une seconde fois sur le bouton « lungo » si vous le désirez. Dégustez votre thé. Rincez la machine après usage sans introduire de capsule. **NL Bosvruchten. Natuurlijk gedroogd fruit voor in capsules die geschikt zijn voor Nespresso[®] apparaten. Ingrediënten:** hibiscus bloem, vrucht appelbes 15%, appel, wilde aardbei 8%, braam 4%, bosbessen 4%, framboos 2%, aroma. Land van herkomst: Polen. **Bereiding:** spoel de machine door op de Lungo-knop te drukken zonder dat er een capsule in zit. Doe de capsule in je Nespresso machine en druk op de Lungo-knop. Druk nogmaals op de Lungo-knop als je dat wilt. Geniet van je thee. Spoel de machine na gebruik zonder capsule. **DK Naturlig tørret frugt te i Nespresso[®] kompatible kapsler. Ingredienser:** blomst af hibiscus, surbær 15%, æble, vilde jordbær 8%, brombær 4%, blåbær 4%, hindbær 2%, aroma. Oprindelsesland: Polen. **Tilberedning:** Rens maskinen ved at trykke på lungo knappen uden at bruge en kapsel. Sæt te-kapslen i Nespresso maskinen og tryk på Lungo knappen. Hvis du ønsker en større kop, kan der trykkes igen. **PL Owoce leśne. Owocowa herbata aromatyzowana w kapsułkach kompatybilnych z ekspresami Nespresso[®]. Składniki:** kwiat hibiskusa, owoc aronii 15%, owoc jabłka, owoc poziomki 8%, owoc jeżyny 4%, jagoda 4%, malina 2%, aromat. Kraj pochodzenia: Polska. **Sposób przygotowania:** Należy przepłukać maszynę, naciskając przycisk lungo bez kapsułki w środku. Zdejmij wieczko i włóż kapsułkę do ekspresu Nespresso i naciśnij przycisk Lungo. Naciśnij przycisk lungo ponownie, jeśli chcesz. Ciesz się naszą herbatą. Po użyciu należy ponownie przepłukać urządzenie bez użycia kapsułki.



5D.

REDUCE COSTS

**PROCESS STABILITY
REDUCTION OF INK
CONSUMPTION UP TO 45%
SAVING TIME AND MONEY**

"I recommend opening your head to a new way of thinking first... then users will have to be patient and systematic, but the result they will receive will more than compensate them for the effort of implementation"

Krzysztof Łużyński - Galdruk Owner

Hochland

To jest pyszne!

SER KREMOWY
MIXTETT

4x Z ZIOŁAMI
2x ŚMIETANKOWY
2x Z PAPRYKĄ

bez GMO
Z MLEKA
OD KRÓW
KARMIONYCH
PASZAMI
BEZ GMO*

**NATURALNE
SKŁADNIKI**
BEZ KONSERWANTÓW

BOGATY W
WAPN
ŹRÓDŁO
BIAŁKA

REKOMENDOWANA
4,99 CENA
ZŁ

Propozycja podania.

COMMERCIAL USE

**Drukarnia Triada Sp. z o.o.
MDM Druk Sp. z o.o. Spk
kolorDRUK Zakład Poligraficzny**

plus 5 further customers

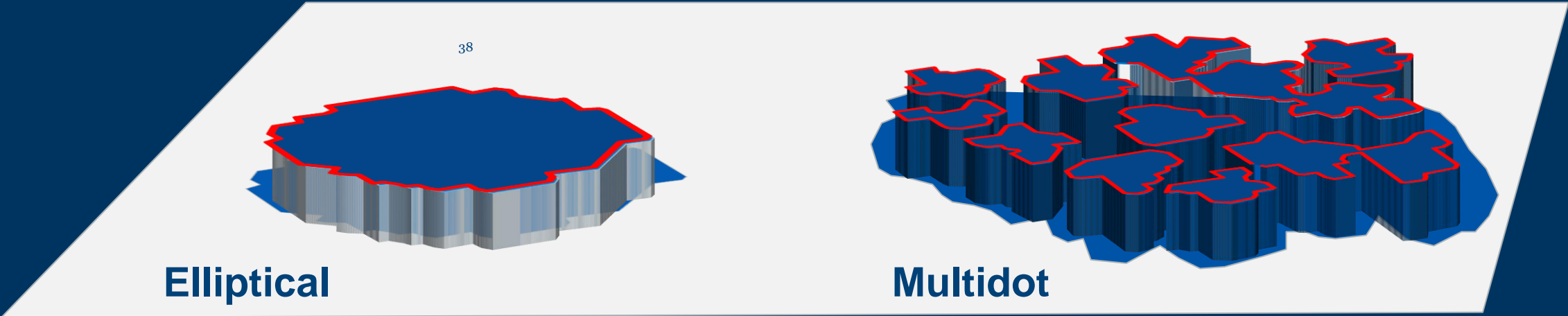
TEST USE

Currently at 4 customer sites

How do the savings work?

Reference illustration only:

SHADOW



Shadow does not contain ink, but the light is absorbed in the shadow's area
The surface covered by shadow strongly depends on the length of the contour

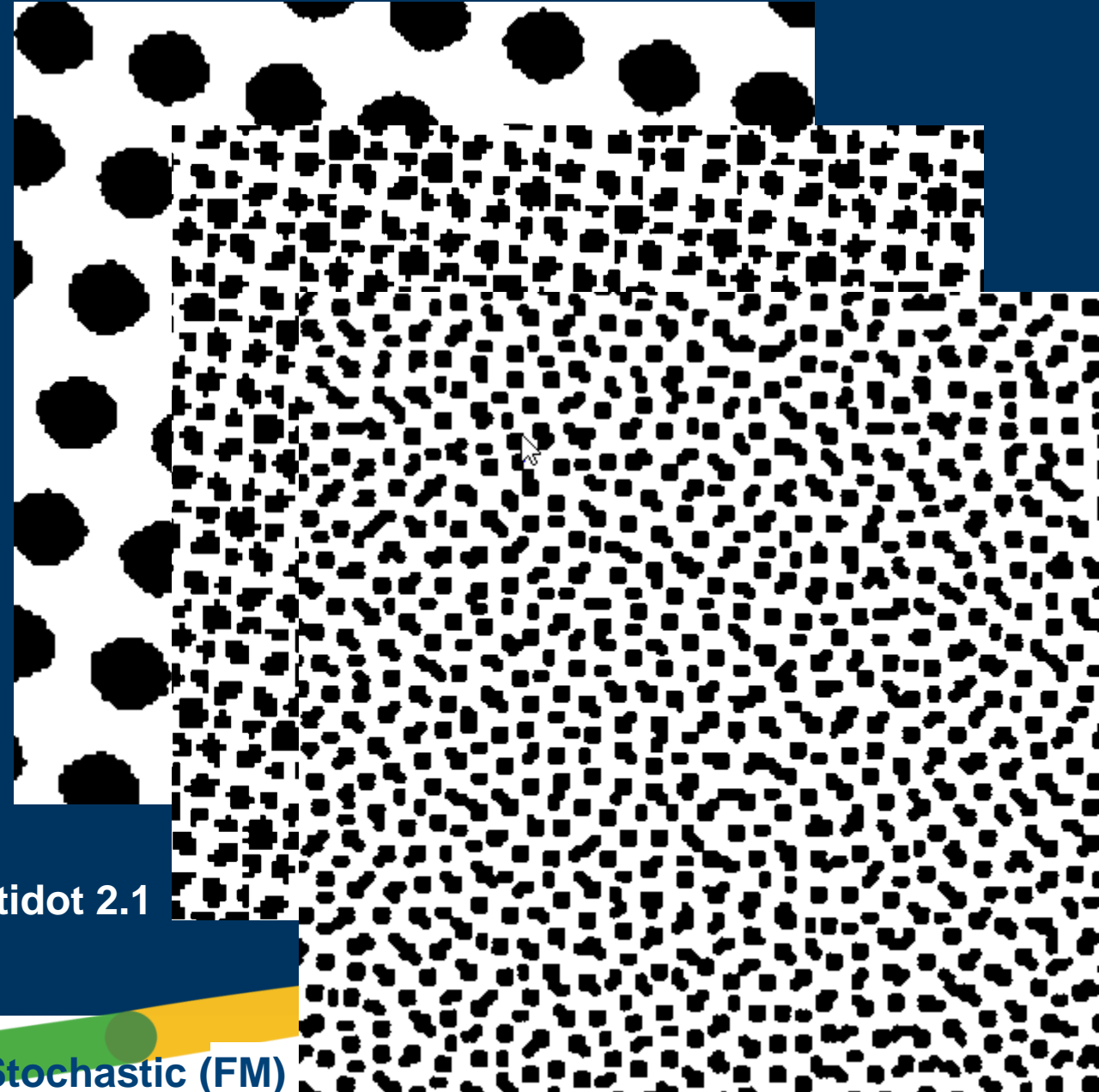
How does it work – what is Multidot technically

by SCIENCE:

Multidot is a technology which use multicluster structures with optimized, different size clusters

by INTUITION:

Multidot is a technology, where screen dots are aggregated into groups of smaller size spots organized in a regular structure, keeping the properties and character of traditional screening (with screen ruling and angles)



Elliptical

Multidot 2.1

Stochastic (FM)

But in magnification:

Introducing a new screening technology:

MultiDOT^{2.1}

Trademark protection

Trademark: MULTIDOT
Appl. number: 018024264

Solutions covered
by patent protection in:

- European Union
- Separately in Poland
- Peoples Republic of China
- United States of America
- ...



Interested?

MultiDOT^{2.1}



**Contact us,
so that we can provide more Info.**

**Thank you
for your attention!**