

PDF-Toolbox

Mastering PDF Workflows

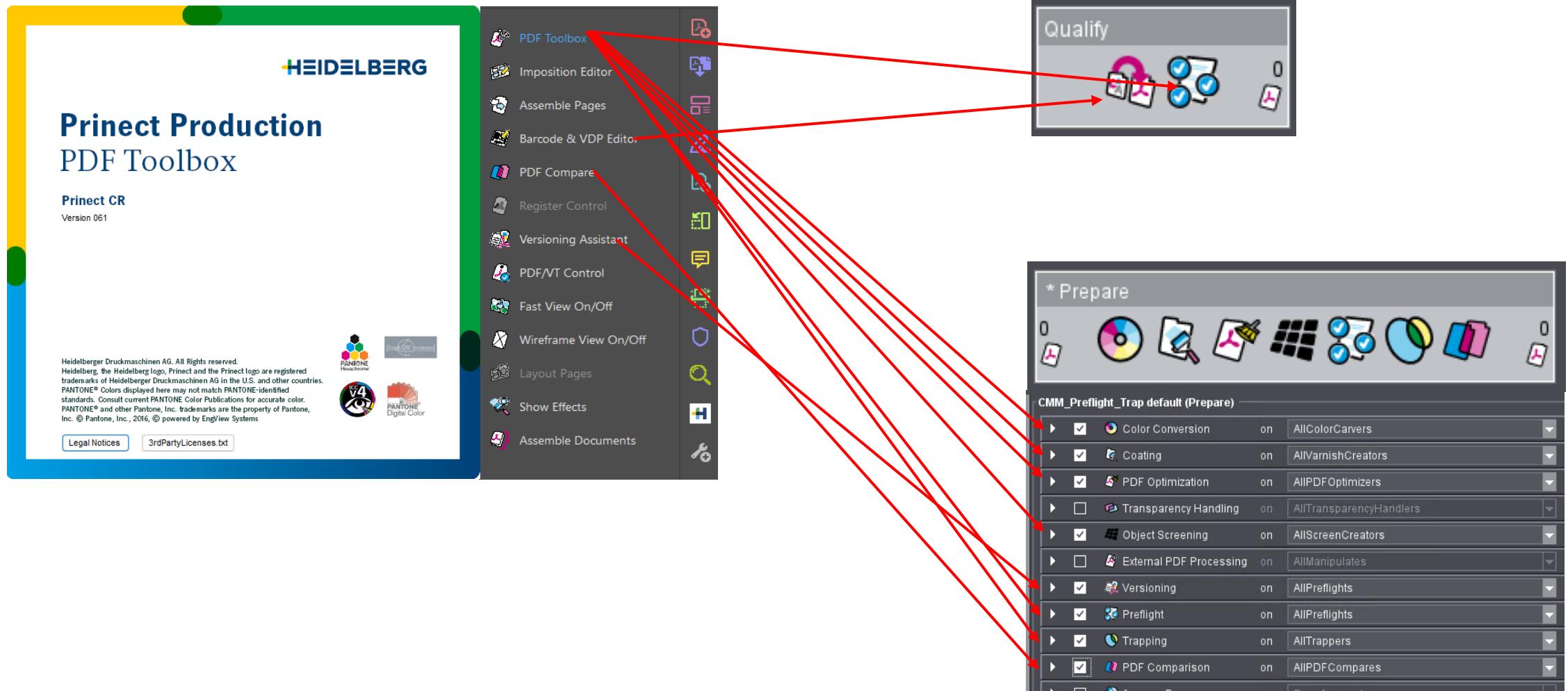
An Overview of Prinect PDF Toolbox and PDF Engines

Sylke Hansen, Hendrik Rintermann | Thursday 3:30-4:00 Uhr | 5:30-6:00

This years content

- What's new in PDF Toolbox/PDF Engines?
- Did you know?
 - Colors and Types
 - Trapper

PDF Toolbox + PDF Engines = PDF Processing



Latest developments in PDF Toolbox/PDF Engines

What's new?

Mediaset 55.00.11:

- ▶ **PDF Toolbox:** MacOS 26 (Tahoe)

Mediaset 55.00.13:

- ▶ **PDF Engines:** Adobe PDF Lib21 & Enfocus Lib 2025

What's new?

Barcode & VDP Editor Mediaset 55.00.9/PTB#64:

- ▶ Digital franking Deutsche Post



How to... please click



DV Freimachung Deutsche Post

Details

Published	Product	Component	Version	Jira
14.03.2025	PDF Toolbox	VDP Editor	CR55.00.9 /PTB064	 PD-288465 - VDP-Editor: DataMatrix Barcode für DV Freimachung DeutschePost RESOLVED

 Details

This affects Digital customers printing “Dialogpost”

"Dialogpost" mailings must be provided with a computer franking from 1 June 2025 in Germany.

Data processing franking (DV franking) is a method for electronic payment of postal fees for large customers. With digital franking, all posting documents, the fee statement, and the shipping schedule are created electronically at the same time.

Products like this:



The customer receives a CSV file from the German Post Office with an 84-digit value that must be converted into a DataMatrix code.

Concerns Machine processing and capture of data matrix codes. Various printing processes are available for printing Data Matrix codes and linear codes. When using a printing process, certain conditions must be observed to achieve the print quality required by Deutsche Post AG.

e.g Symbol Size 26x26 and Encoding Base 256. This can be set in VDP Editor.

Select the CSV file in tab ->Placeholder:

Text Barcode Image Placeholders PDF/VT

File for 'Field' placeholders

.\Or1Testlauf Dialogpost International 1 Dialogpost International.csv ...

Encoding ISO Latin-1 Usage Fixed

...

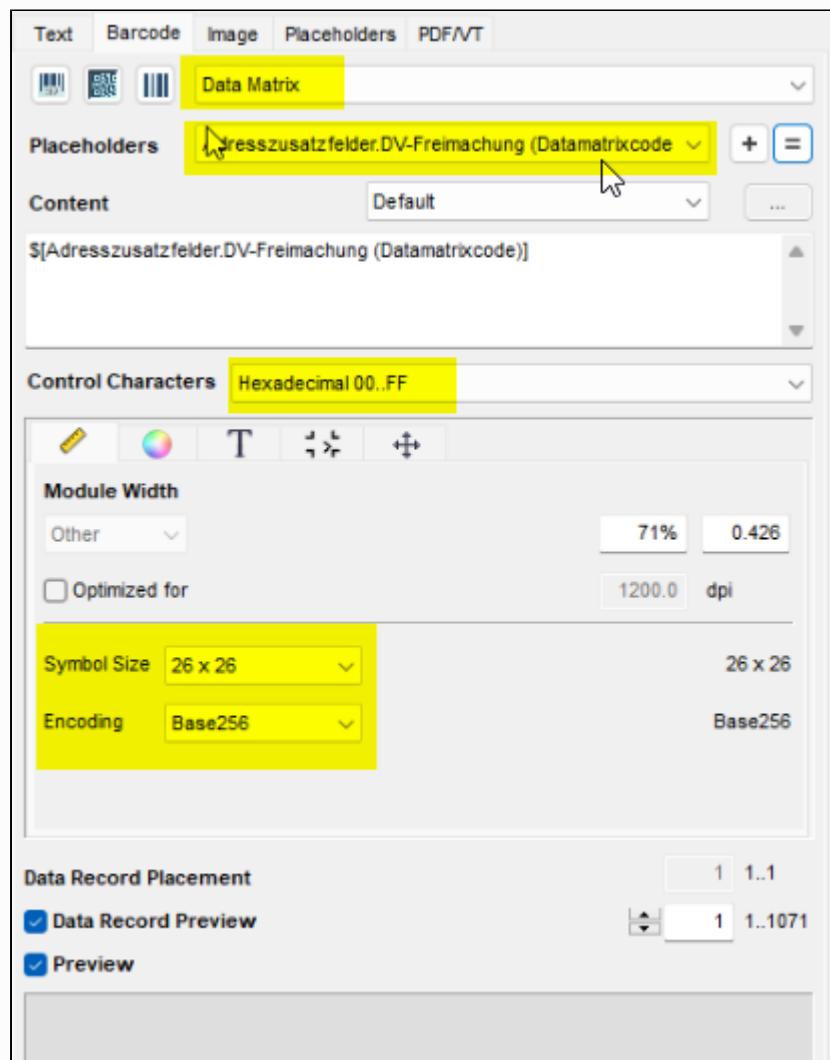
Encoding ASCII Usage License

Images Folder

...

ID	Type
Counter	Counter
Date	Date
Time	Time
Firma1	Field
Adressfelder.Anrede	Field
Adresszusatzfelder.Vorname und Nachname	Field
ZUSTADR	Field
Adressfelder.Straße / Postfach 2	Field
ZUSTPLZ	Field
ZUSTORT	Field
LAND	Field
SDKATEG	Field
SDNR	Field
BDNR	Field
Behälter.Anfang	Field
Adressfelder.Lfd-Nr.	Field
Adresszusatzfelder.DV-Freimachung (Datamat...)	Field
Adresszusatzfelder.DV-Freimachung (Frankier...)	Field
Adresszusatzfelder.DV-Freimachung (Datum)	Field
Adresszusatzfelder.DV-Freimachung (Produkt...)	Field
Sendung.Entgelt (frankiert)	Field

Besides all the other dynamic placeholders choose the DV Freimachung (84-digit value) as content of the Data Matrix Code and select Symbol Size and Encoding according the needed specifications:



Checked by Deutsche Post AG: The matrix code and Frankier-ID are correct and up-to-date.
They comply with the specifications of the "MLFVM Part 2: IT Frankierung, Version 1.5.4 dated December 1, 2022" specification:



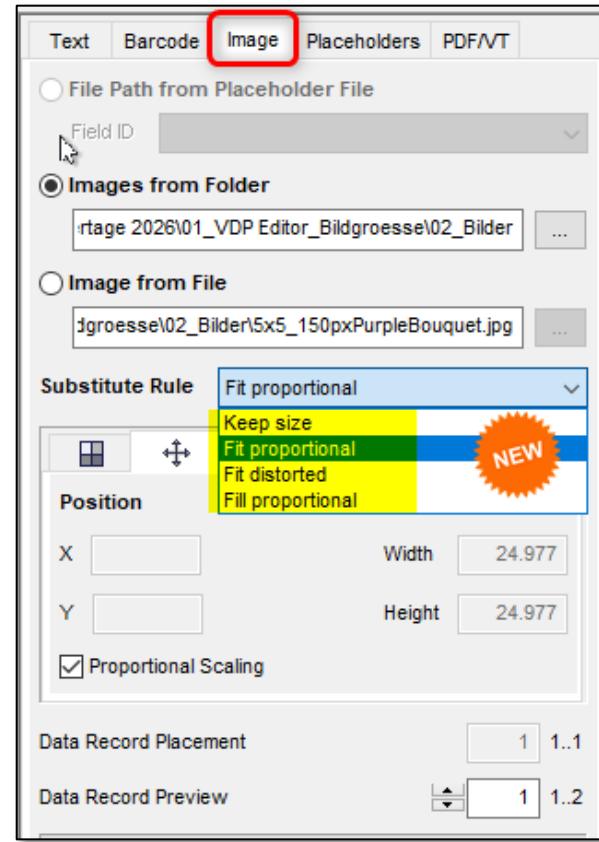
Restriction see: [VDP Editor: minor issue in preview if more than 39 digits in line of CSV - Support Prinect - HDM Prinect Confluence](#)

What's new?



Barcode & VDP Editor Mediaset 55.00.13/PTB#72

- ▶ variable images: fit images to a frame

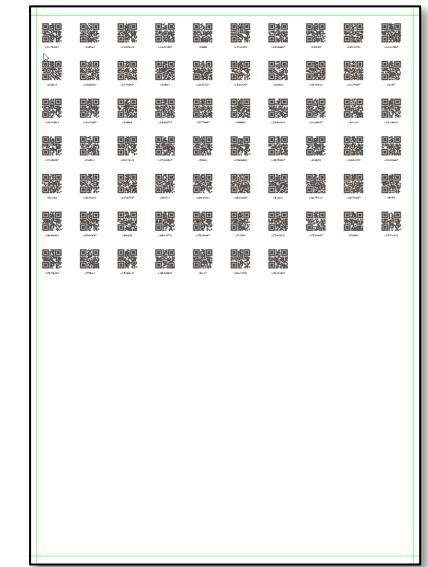
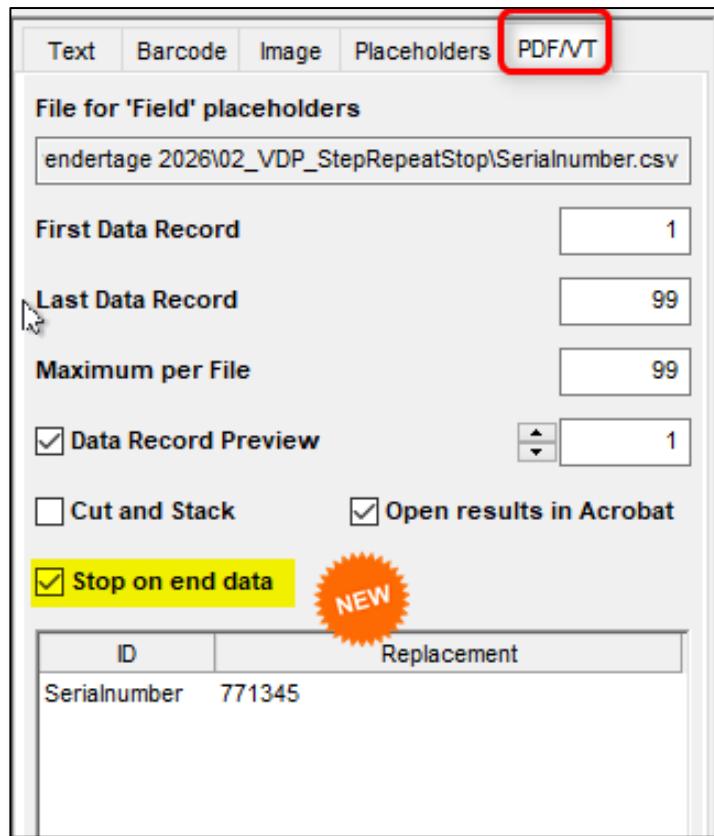


What's new?

Barcode & VDP Editor Mediaset 55.00.13/PTB#72:



- ▶ step & repeat: „stop on end data“



What's new?

Normalizer Engine Mediaset 55.00.13:

- ▶ Writing a new PDF (*Refry*) dependent of PDF producer



(Xara.com) PDF export 8,0,0,6
 * .c.c yôôôôôôôôôôôô
 ?Founder
 @gaoding/template-to-pdf 2.2.90
 3.0.0.M5 (5.0.0.M4)
 3-Heights(TM) Document Converter 6.18.5.16 (www.pdf-tools.com)
 4-Heights™ PDF Library 3.4.0.6904 (http://www.pdf-tools.com)
 ABBYY FineReader 12
 ABBYY FineReader 14
 ABBYY FineReader Engine 11
 ABBYY PDF Transformer+
 ACC HSH Group PDF Library
 ACD Systems PDF Filter 1.3.10.011 (Win)
 Acrobat Distiller 3.0 for Power Macintosh
 Acrobat Distiller 3.0 for Windows
 ISIS Papyrus Software AG
 iText 2.0.4 (by lowagie)
 LibreOffice

Normalizing on AllNormalizers

Document Pages / 1ups Images Fonts Advanced

Advanced

Compress Text and Line Art
 Allow PostScript XObjects
 Preserve Original JPEG Images, if Possible
 Convert Gradients to Smooth Shades
 Preserve Halftone Information
 Preserve Overprint Settings
 Overprinting Default is Nonzero Overprinting
 Preserve Level 2 copypage Semantics
 Re-Normalization of PDF by Conversion into PostScript (Refrying)

NEW

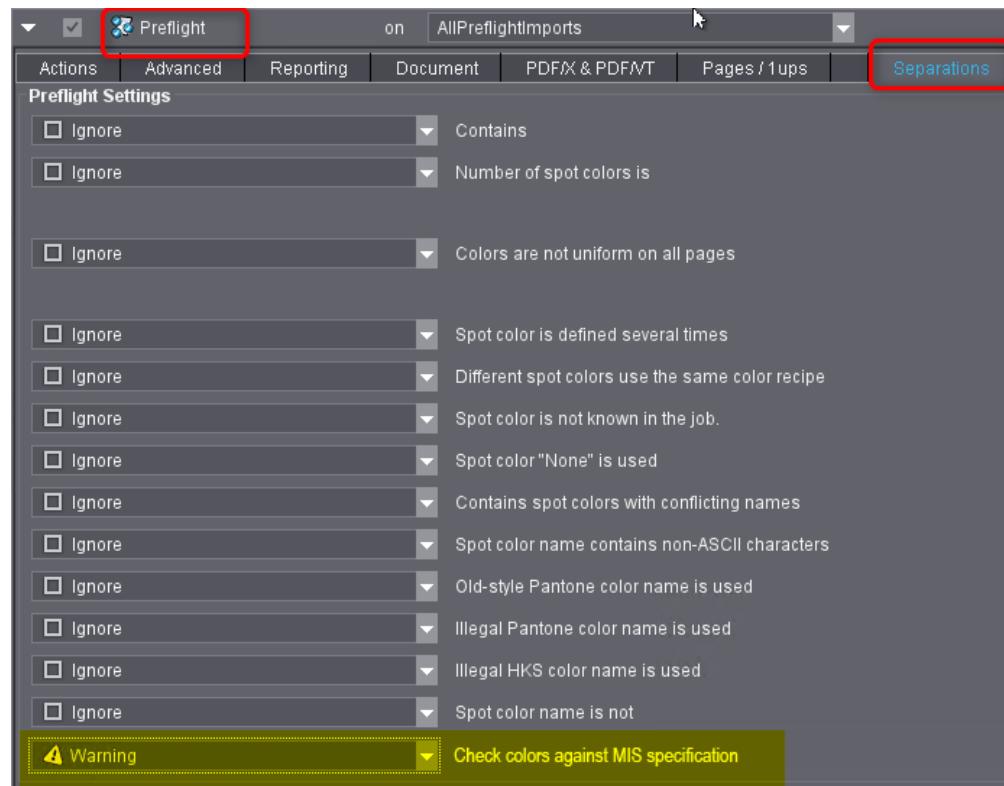
Producer or application is unknown
 Producer or application is one of Scribus, CorelDraw, Canva, PDI, Meyle+Müller, Printformier, Esri ArcMap, Microsoft Word 2007, Microsoft PowerPoint 2010, Microsoft Publisher 2010, MiKTeX pdfTeX-1.40.17, Mimestack, MiramoPDF, Montax Imposer Application: Adobe PDF Library 17.0, mPDF 5.7, MSH TOPAS, MultiAd Creator™ MultiAd Creator Service, myfreebingocards.com, NBDesigns

What's new?

Preflighter Engine Mediaset 55.00.13:



► „check colors against MIS specification“



CMYK
Pantone Violet o631 C

↔

CMYK
Violet

Detailed History Information

Action: **PreflightQuality**

On: **6c_FLS_Macaron_Cassis_Emb_JDF_MIS-colors.pdf**

Start/End: **Jan 6, 2026, 7:22:38 PM - Jan 6, 2026, 7:22:51 PM**

By: **Preflight1@DRUAPP24008**

Details: **Die Farbe "Violet" ist nicht durch das MIS definiert worden!**

State: **Aborted**

Error ID:

Notification:

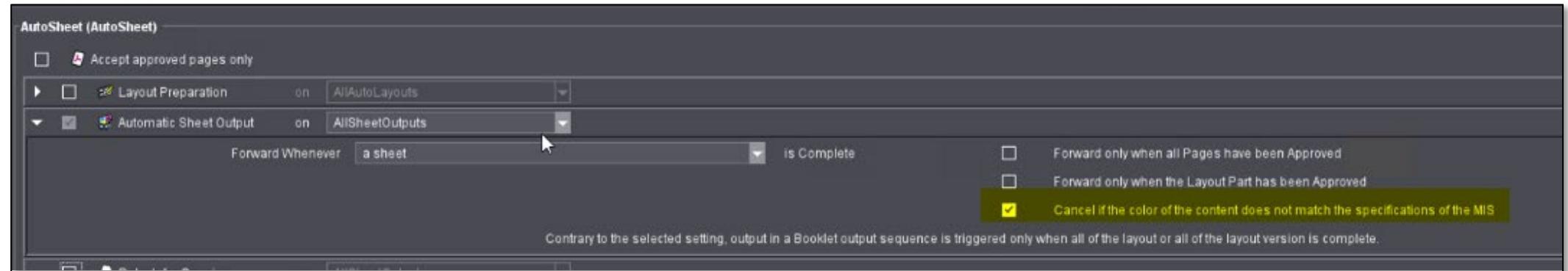
State	Information	
⚠ Warning	Content: Color blending "Screen" is present...	E
⚠ Warning	Content: Color blending "Multiply" is present...	E
✖ Error	Die Farbe "Violet" ist nicht durch das MIS d...	E

What's new?

Autosheet Mediaset 55.00.10:

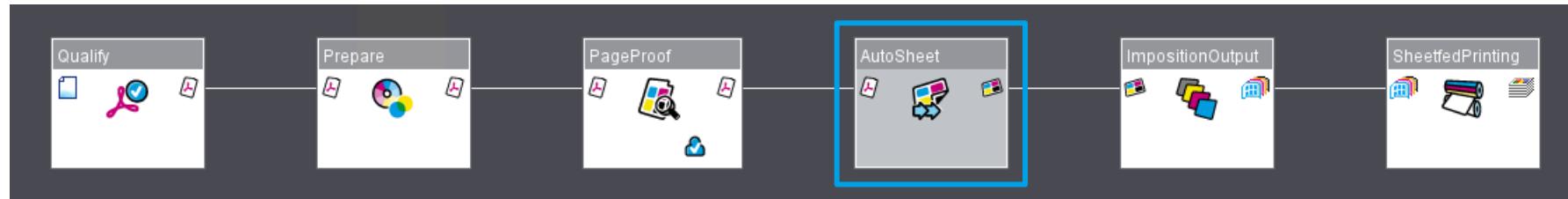


- ▶ “cancel, if the color of the content does not match the specification of the MIS”



What's new?

Automatic sheet forwarding via Autosheet:



MIS:



Front



Back



Prepress:



Front

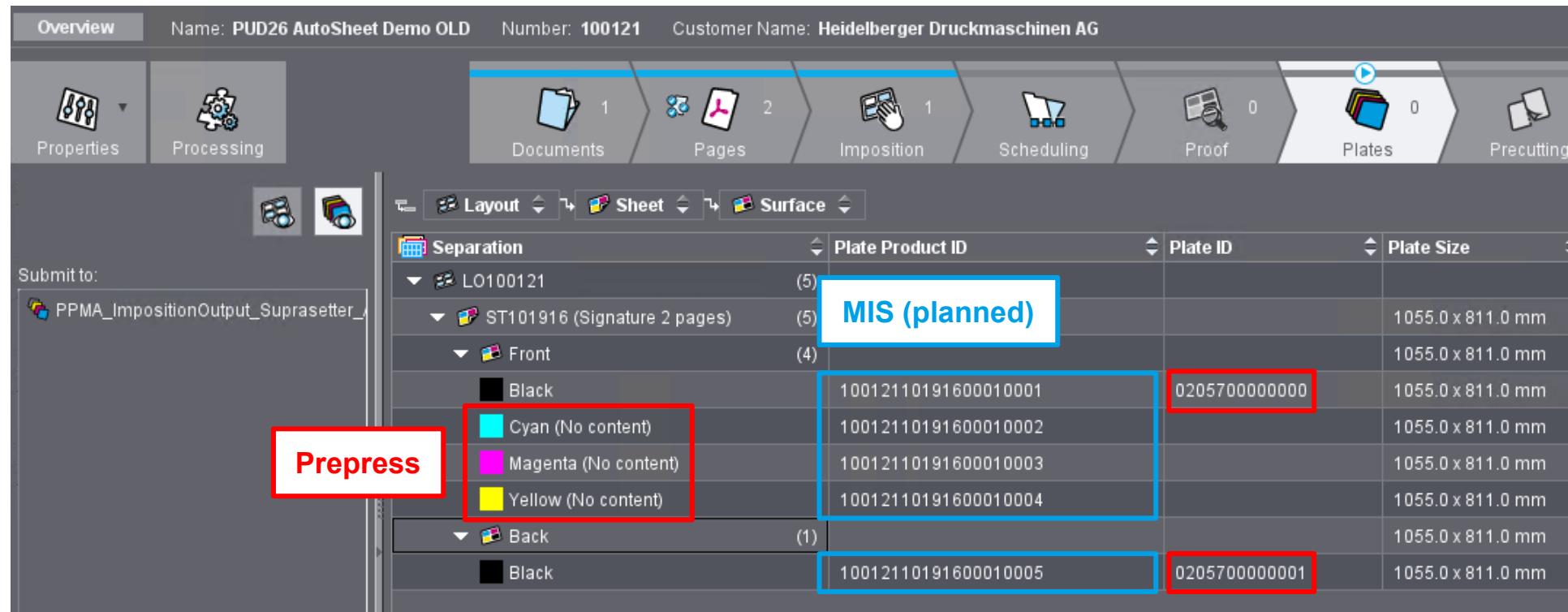


Back

What's new?

In previous versions, it was not possible to verify sheet colors when automatically forwarding via AutoSheet.

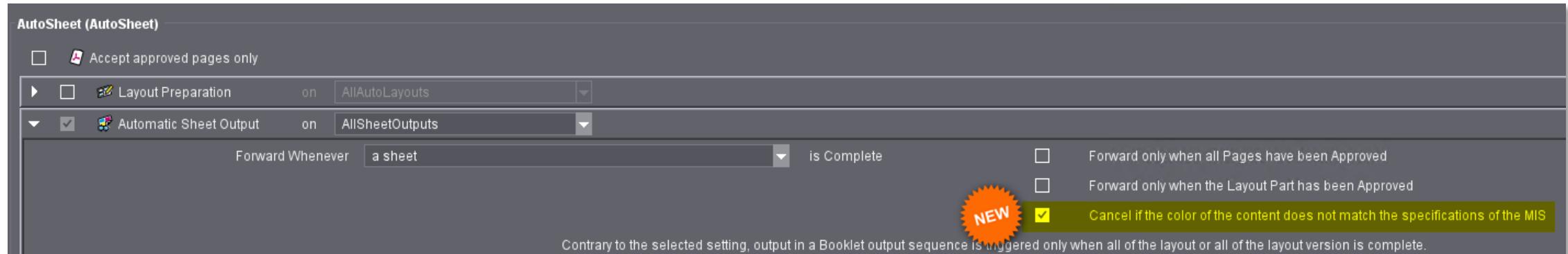
► Result: **Three plates are missing!**



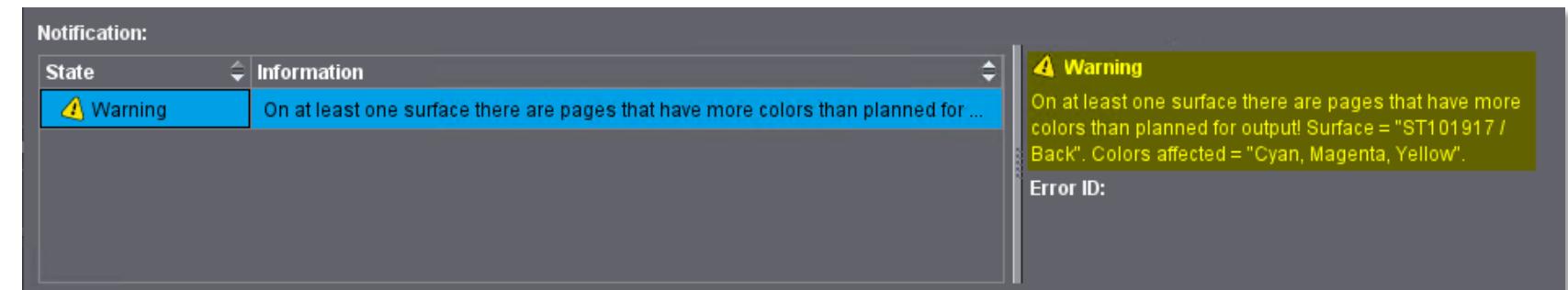
Separation	Plate Product ID	Plate ID	Plate Size
LO100121	(5)		1055.0 x 811.0 mm
ST101916 (Signature 2 pages)	(5)		1055.0 x 811.0 mm
Front	(4)		1055.0 x 811.0 mm
Black	10012110191600010001	0205700000000	1055.0 x 811.0 mm
Cyan (No content)	10012110191600010002		1055.0 x 811.0 mm
Magenta (No content)	10012110191600010003		1055.0 x 811.0 mm
Yellow (No content)	10012110191600010004		1055.0 x 811.0 mm
Back	(1)		1055.0 x 811.0 mm
Black	10012110191600010005	0205700000001	1055.0 x 811.0 mm

What's new?

► “cancel, if the color of the content does not match the specification of the MIS”



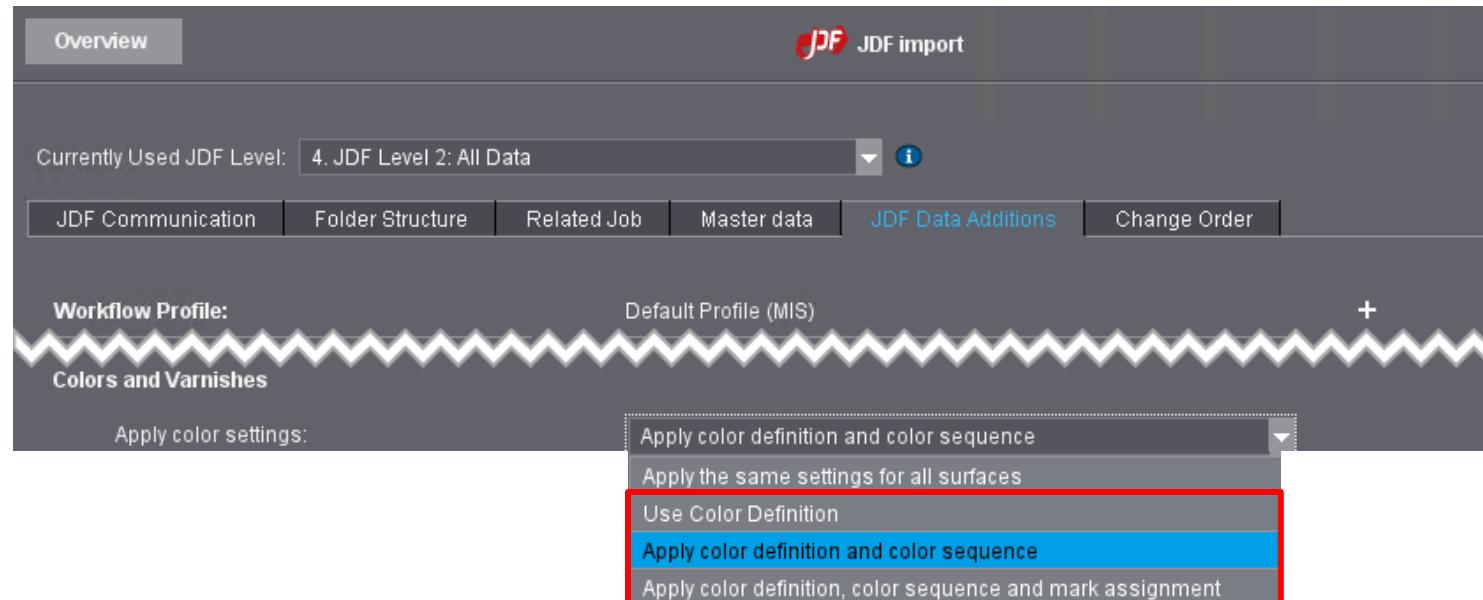
► mismatch?
Processing is stopped.



What's new?

Please note:

- ▶ No checking of **color names** in AutoSheet!
“Check colors against MIS specifications”
- ▶ Color definition from the MIS must be overtaken!
Details: Online help



What's new?

New: Short video available in the Prinect Onlinehelp!

► [Prinect Video Tutorials | HEIDELBERG](#)

 Prinect Video Tutorials

-Search-

 Overview
 + Automatic Paper Stretch Compensation
 + Cockpit
 + Color
 + DFE
 + Pressroom
 + Maintenance Center
 + PDF Toolbox
 + Portal
 + Signa Station
 + Packaging/Label
 + Smart Automation
 + Business Manager
 + Did You know ...?

Prinect Video Tutorials.
 Here you will find the video tutorials on the Prinect products.

Prinect Production.

APSC	Cockpit	Color
DFE	Pressroom	PMC
PDF Toolbox	Portal	Signa Station
Packaging/Label	Smart Automation	

Prinect Business.

Business Manager

 **Did You know ...?**
 In our new video series, you will receive many useful tips on Prinect applications.

[Go to Short Videos](#)

 HEIDELBERG

Video Set "Did You know ...?"

Watch our new set of short videos with lots of useful tips on Prinect applications.

Note: Subtitles can be switched between various languages.

12/10/2025 New Rules for Restriction to Sujet or Paper Size Duration: 2:27 ► Keywords: Signa Station, Automarks, Rules, Plate template, Reducing touch points	11/26/2025 Color Handling – Alias Assignment is now Case-Sensitive Duration: 1:13 ► Keywords: Cockpit, Marks assignment, MIS, Inkprofile	11/04/2025 Stop Jobs With Wrong Colors Duration: 2:21 ► Keywords: Cockpit, AutoSheet, MIS, PrePress
10/15/2025 Duplicate Cutting Dies Duration: 0:58 ► Keywords: Signa Station, Margins, Rotation	10/01/2025 Automark "Linetype Covermark" in Packaging Jobs Duration: 2:17 ► Keywords: Signa Station, Packaging, Glue flaps, Dust flaps	10/01/2025 Different Bleed on Front and Back with Packaging Pro Duration: 4:11 ► Keywords: Signa Station, Important Area, Resolve Conflicts

What's new?

Preflighter Engine Mediaset 55.00.10:



- ▶ name and behaviour changed:
„Spotcolor is not available in **color tables**“ -> „spotcolor is not known to the **job**“

The screenshot shows the 'Preflight' interface with the 'Preflight' tab selected. The 'Actions' tab is highlighted. The 'Color List' dropdown is set to 'All Colors'. The 'Color' column shows color swatches, the 'Name' column lists color names, and the 'Source' and 'Target' columns show 'Job' and 'Output' respectively. A red arrow points from the 'Color table' entry in the 'Source' column to the 'Color table' entry in the 'Target' column. A red starburst with the word 'NEW' is overlaid on the left side of the interface.

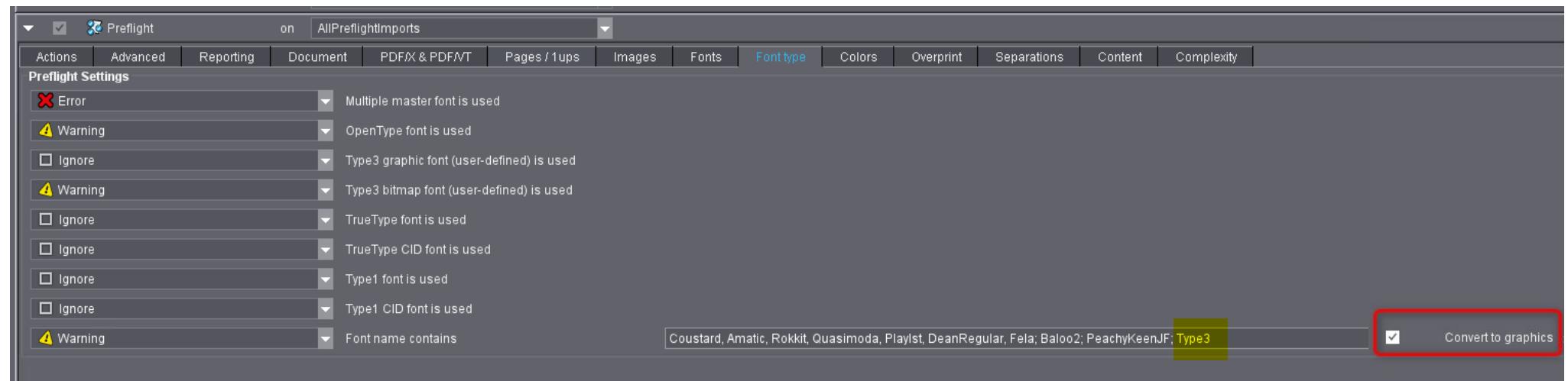
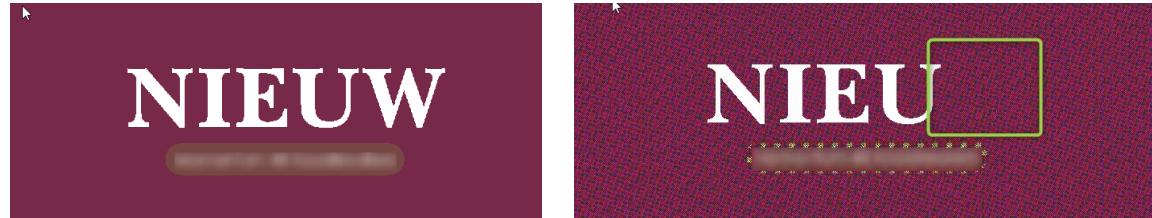
Color	Name	Source	Target
Cyan	Cyan	Job	Output
Magenta	Magenta	Job	Output
Yellow	Yellow	Job	Output
Black	Black	Job	Output
unknown color	unknown color	P...	Output
FLS	FLS	Color table	Output
Embossing	Embossing	PDF	Output
		Job	Output

Did you know?

Did you know?



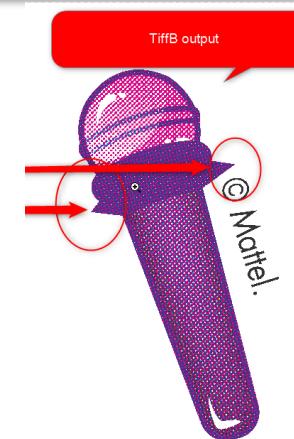
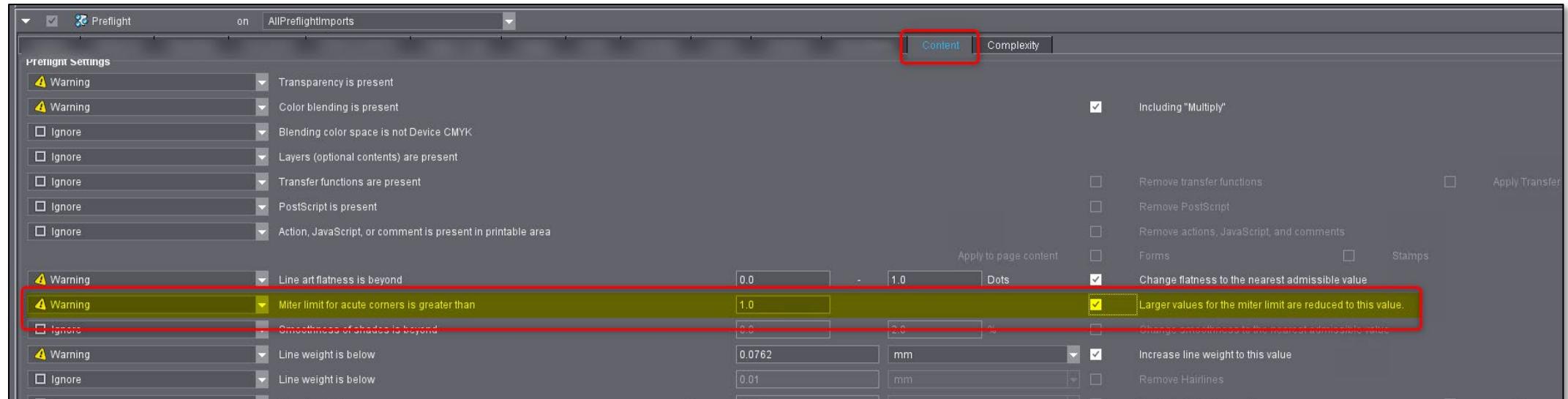
► Missing letters at output



Did you know?



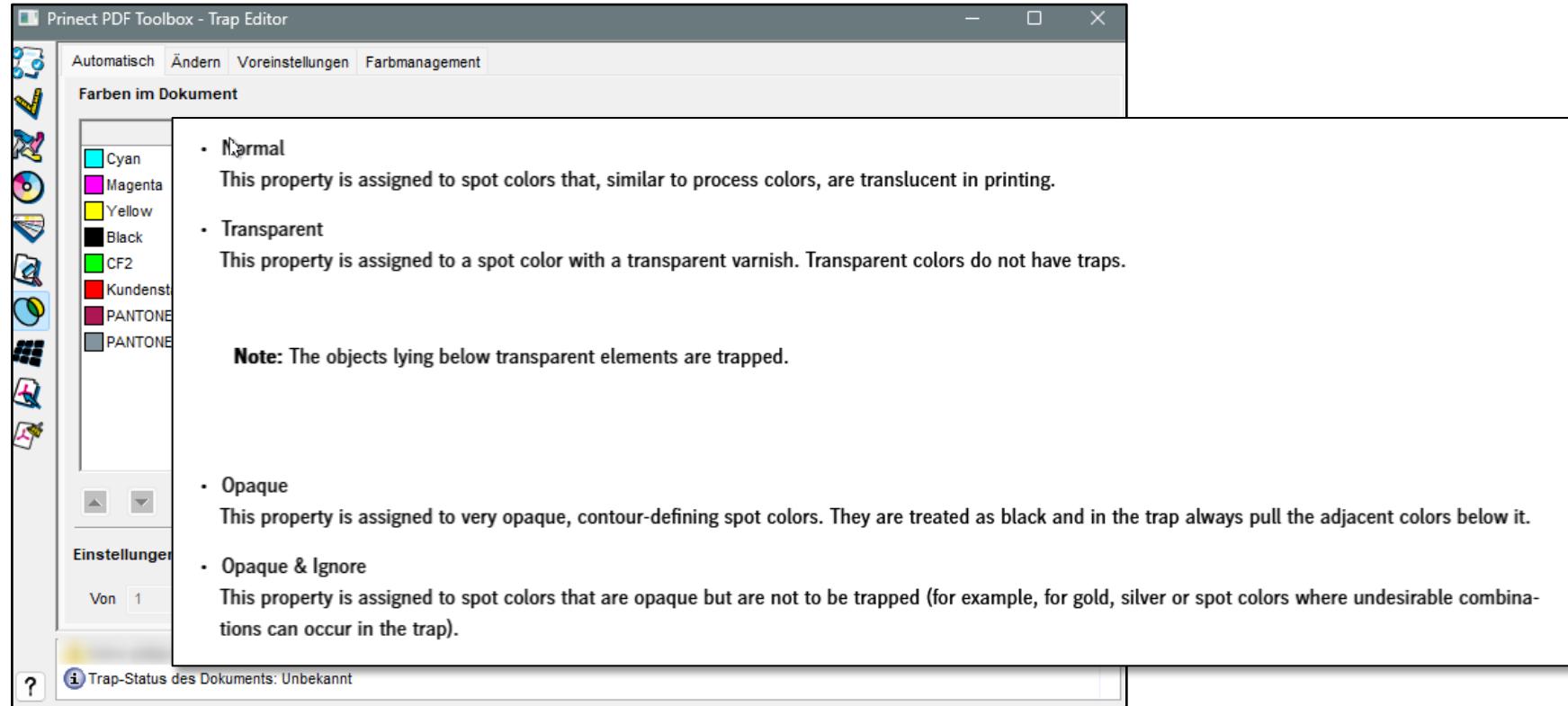
► What on earth is a Preflight for miter limit?



Did you know?



- Why is my varnish or dieline trapped?



Colors & Types

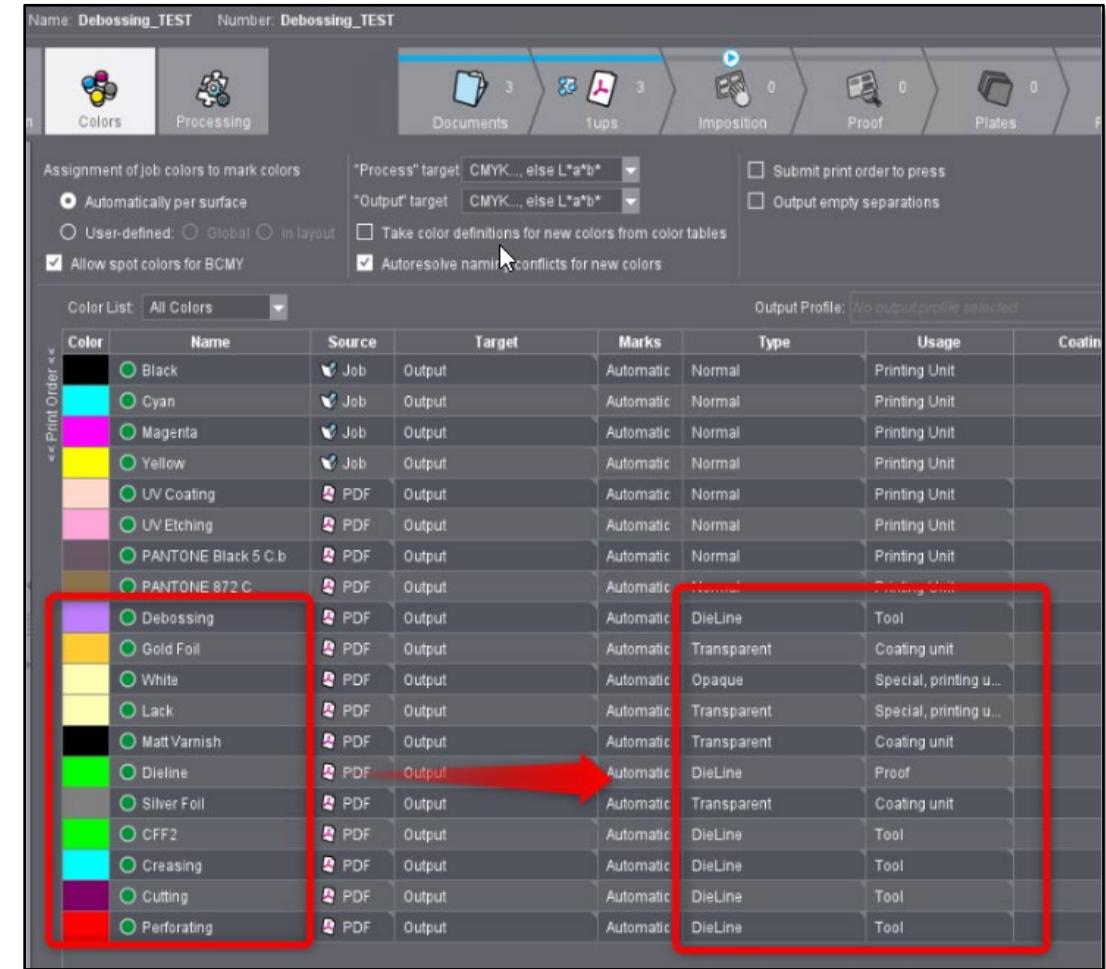
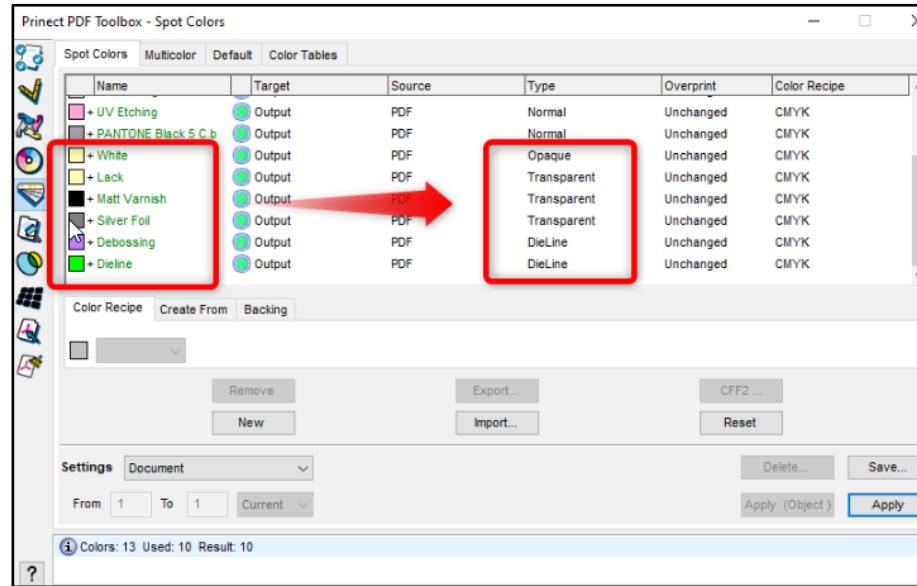
Did you know?

- ▶ automatic correction of technical and structural colors

Colorname	Type	Usage
"Lack", "Varnish", "Vernis", "Vernice", "Transparent"	transparent	Special, Printing Unit
"Matt varnish", "Gloss varnish", "Satin varnish", "Varnish matt", "Varnish satin", "Gloss_Spot", "Matt_Spot", "Satin_Spot"	transparent	Coating Unit
"Gold foil", "Silver foil", "Foil Gold", "Foil Silver", "Gold_Spot", "Silver_Spot"	transparent	Coating Unit
"Emboss", "Deboss", "Embossing", "Debossing"	dieline	Tool
"White", "Weiss", "Blanc", "Bianco"	opaque	Special, printing unit
"Dieline"	dieline	Proof
"Cutting"	dieline	Tool
"Creasing"	dieline	Tool
"Perforating"	dieline	Tool
"CFF2"	dieline	Tool

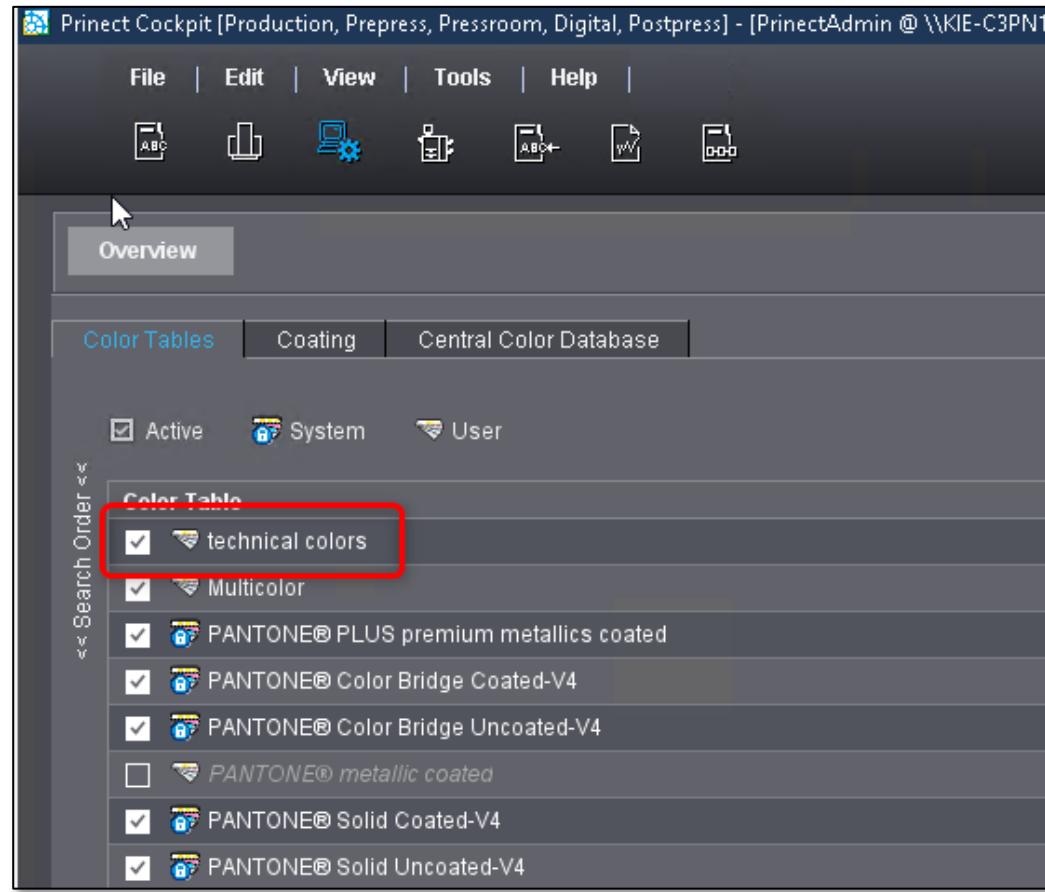
Did you know?

- ▶ automatic correction of technical and structural colors



Did you know?

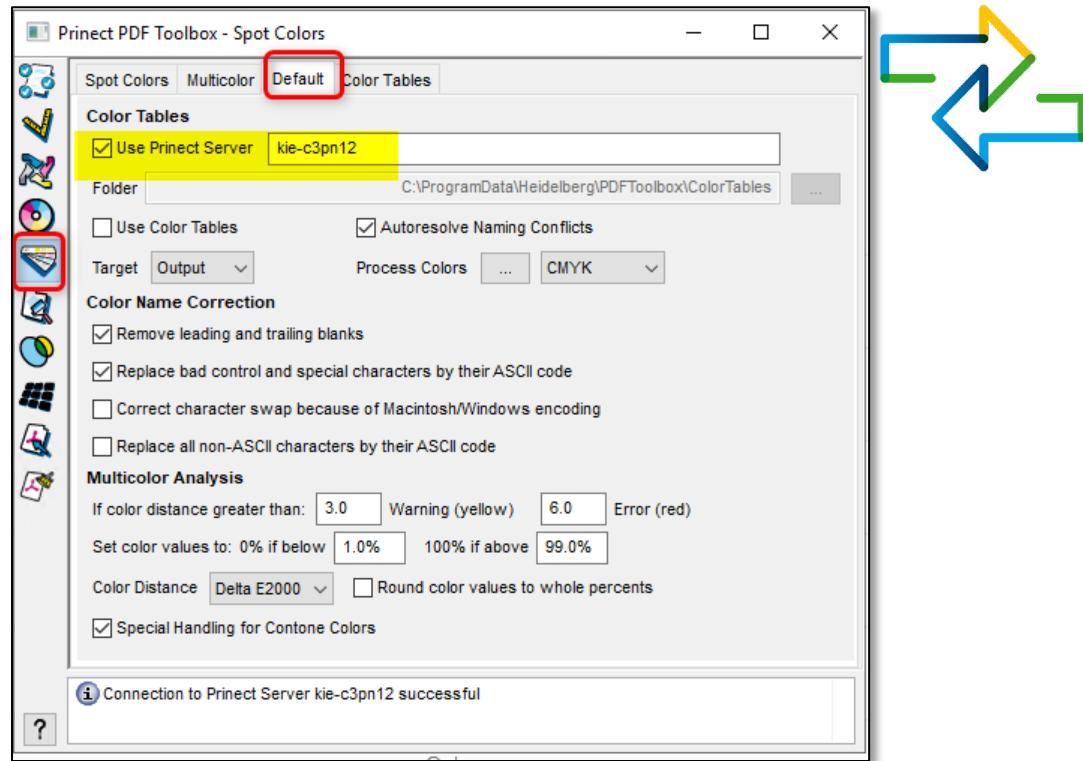
- ▶ For colors with a special purpose use a color table!



Colortime
"Lack", "Varnish", "Vernis", "Vernice", "Transparent"
"Matt varnish", "Gloss varnish", "Satin varnish", "Varnish matt", "Varnish satin", "Gloss_Spot", "Matt_Spot", "Satin_Spot"
"Gold foil", "Silver foil", "Foil Gold", "Foil Silver", "Gold_Spot", "Silver_Spot"
"Emboss", "Deboss", "Embossing", "Debossing"
"White", "Weiss", "Blanc", "Bianco"
"Dieline"
"Cutting"
"Creasing"
"Perforating"
"CFF2"

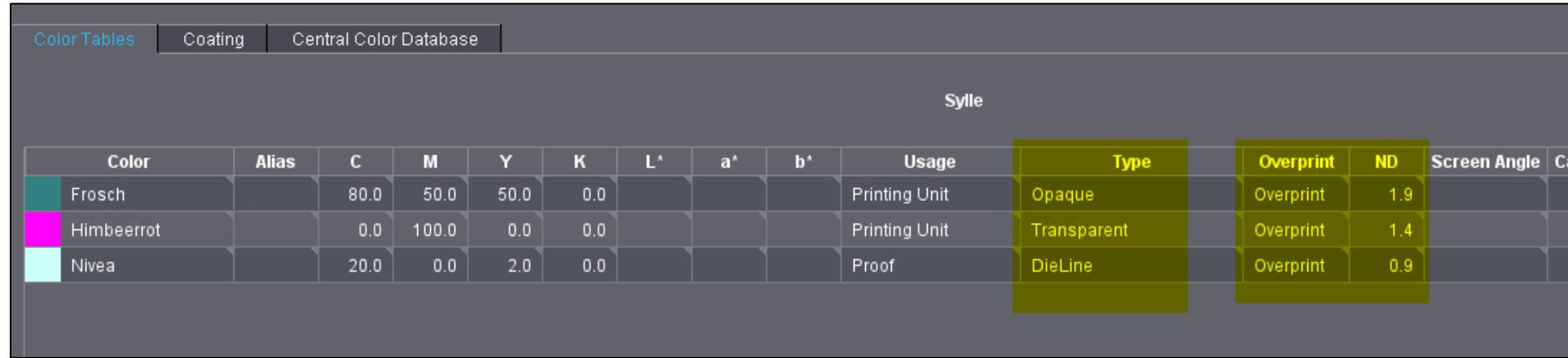
Did you know?

- ▶ Which attributes of a color are taken into the *PDF Toolbox*?



Did you know?

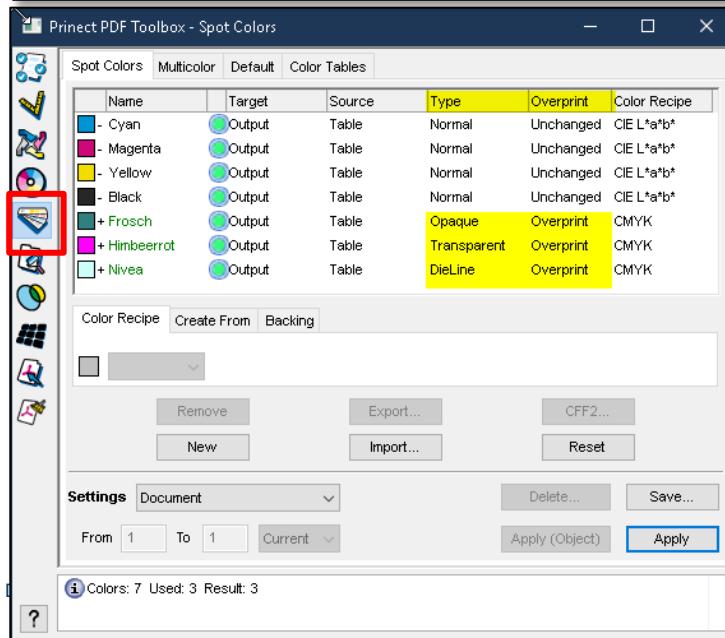
- ▶ Which attributes of a color are taken into the *PDF Toolbox*?



Color Tables Coating Central Color Database

Sylle

Color	Alias	C	M	Y	K	L*	a*	b*	Usage	Type	Overprint	ND	Screen Angle	Ca
Frosch		80.0	50.0	50.0	0.0				Printing Unit	Opaque	Overprint	1.9		
Himbeerrot		0.0	100.0	0.0	0.0				Printing Unit	Transparent	Overprint	1.4		
Nivea		20.0	0.0	2.0	0.0				Proof	DieLine	Overprint	0.9		



Prinect PDF Toolbox - Spot Colors

Spot Colors Multicolor Default Color Tables

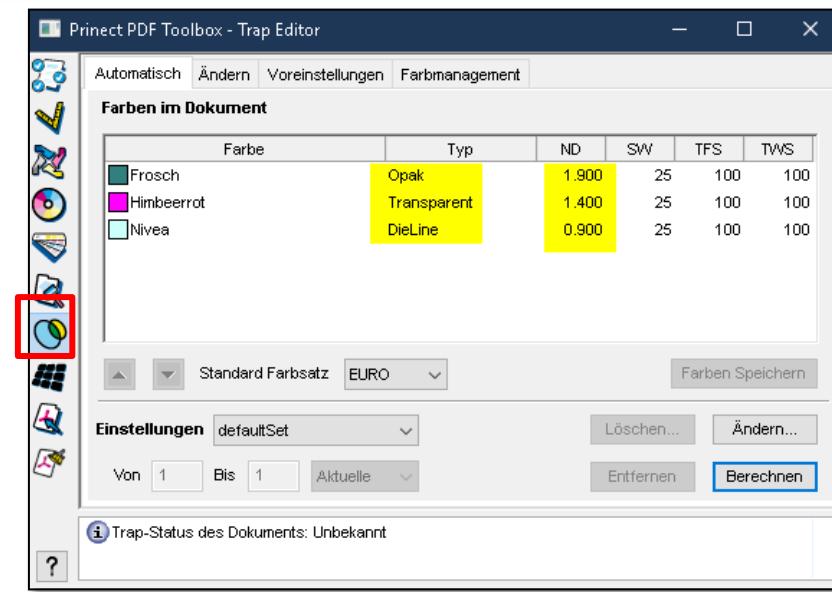
Name	Target	Source	Type	Overprint	Color Recipe
Cyan	Output	Table	Normal	Unchanged	CIE L*a*b*
Magenta	Output	Table	Normal	Unchanged	CIE L*a*b*
Yellow	Output	Table	Normal	Unchanged	CIE L*a*b*
Black	Output	Table	Normal	Unchanged	CIE L*a*b*
Frosch	Output	Table	Opaque	Overprint	CMYK
Himbeerrot	Output	Table	Transparent	Overprint	CMYK
Nivea	Output	Table	DieLine	Overprint	CMYK

Color Recipe Create From Backing

Remove Export... CFF2... New Import... Reset

Settings Document From 1 To 1 Current Delete... Save... Apply (Object) Apply

Colors: 7 Used: 3 Result: 3



Prinect PDF Toolbox - Trap Editor

Automatisch Ändern Voreinstellungen Farbmanagement

Farben im Dokument

Farbe	Typ	ND	SW	TFS	TWS
Frosch	Opak	1.900	25	100	100
Himbeerrot	Transparent	1.400	25	100	100
Nivea	DieLine	0.900	25	100	100

Standard Farbsatz: EURO Farben Speichern

Einstellungen: defaultSet Von 1 Bis 1 Aktuelle Löschen... Ändern... Entfernen Berechnen

Trap-Status des Dokuments: Unbekannt

Trapper

Did you know?

- How can I check traps?
- Why is text fattened?
- Why does it actually take so long?

PDF Trapper	InRip Trapper
	
Vector based	Pixel based
WYSIWYG	See result after rendering
Edit manually (<i>TrapEditor PDF Toolbox</i>)	No edit
Heidelberg	Adobe

Did you know?

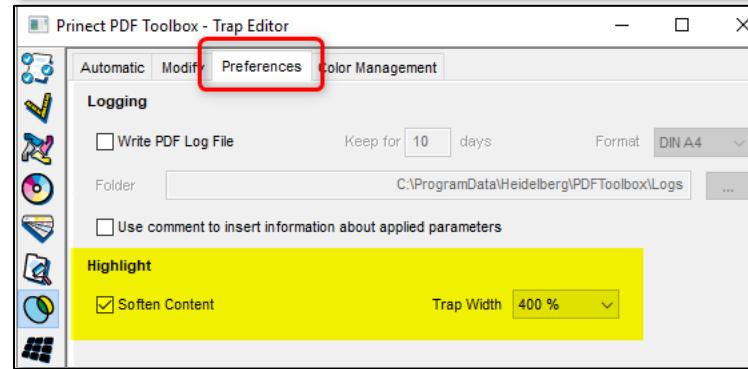
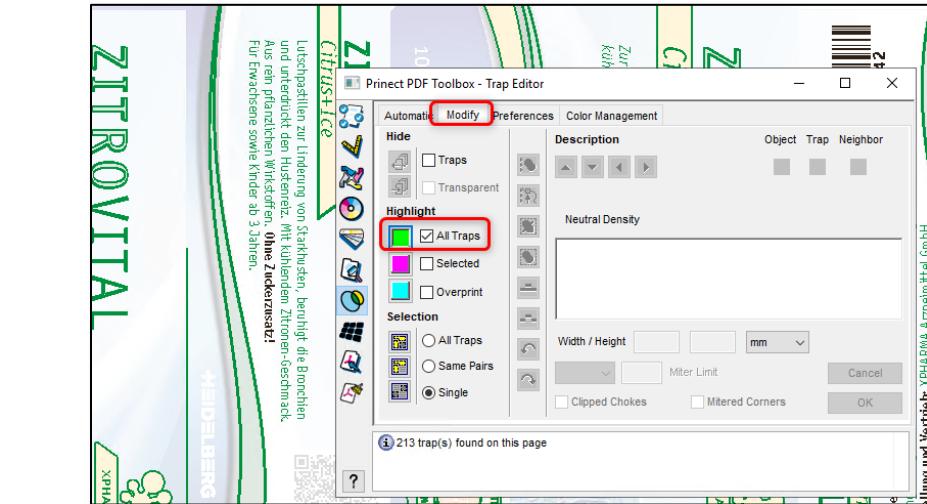
- 2 sets
 - *default set*
 - *ink reduction set*
- special cases :
 - technical color
 - small graphics
 - fading transparency
 - gradient background
 - > set *Type* according to purpose
 - > manually
 - > manually
 - > adjust *threshold/treatment of black*

Did you know?

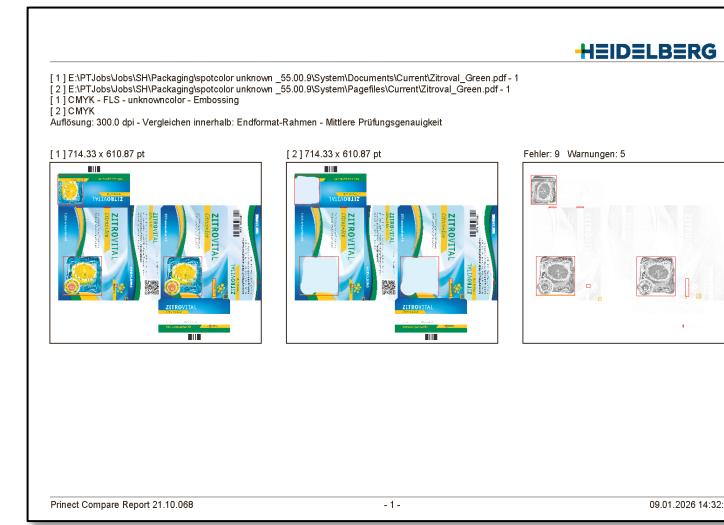


- How to control traps?

Interactivity in PDF Toolbox



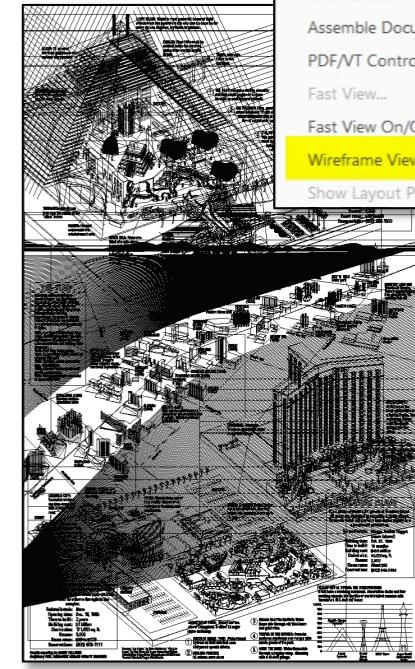
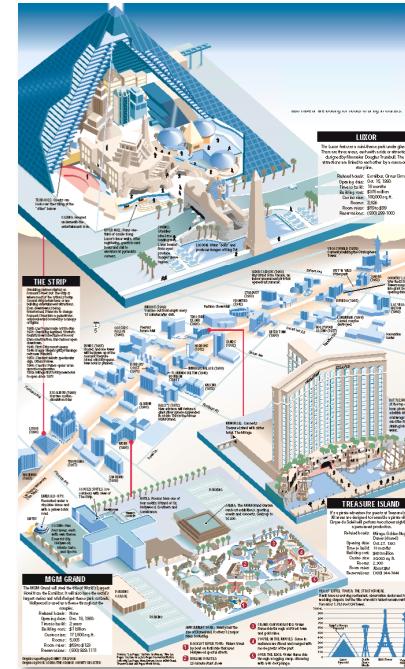
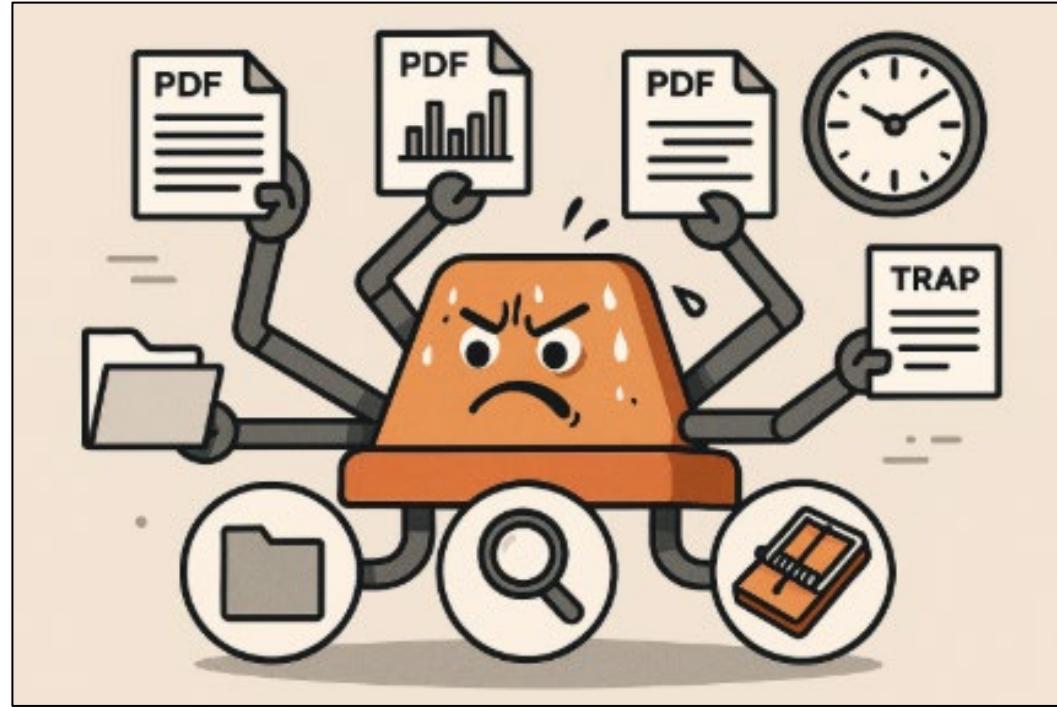
Prinect



Did you know?



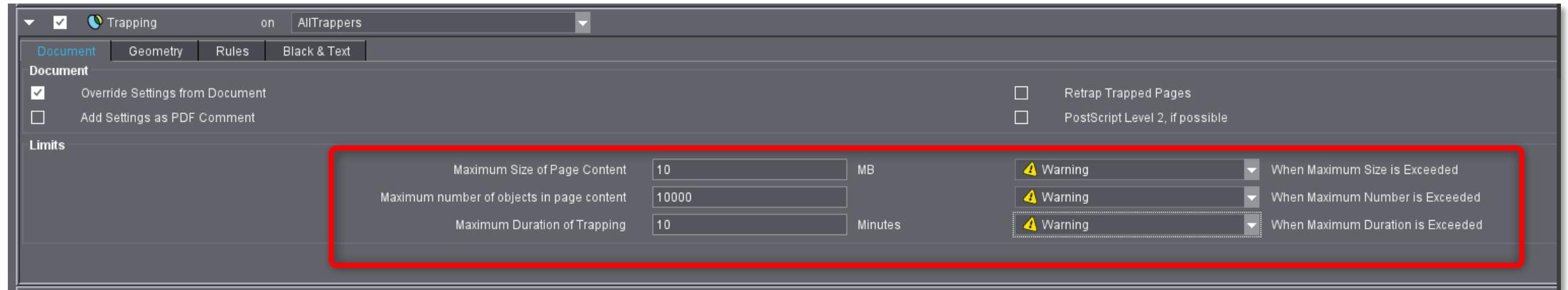
- Why does it actually take so long?



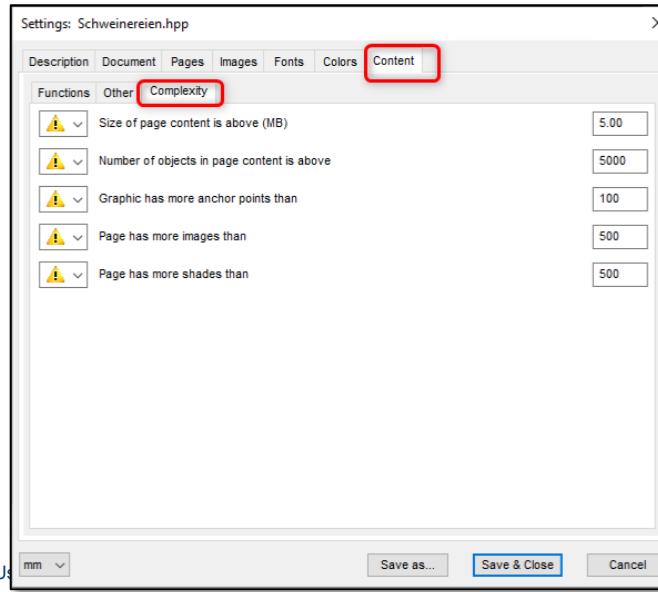
PDF Toolbox
Imposition Editor
Assemble Pages
Barcode & VDP Editor
PDF Compare
Register Control
Versioning Assistant
Show Effects
Assemble Documents
PDF/VT Control...
Fast View...
Fast View On/Off
Wireframe View On/Off
Show Layout Pages

Did you know?

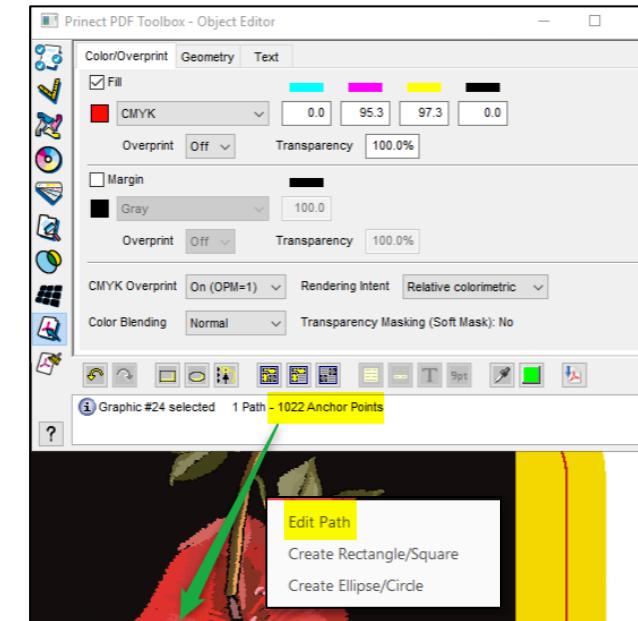
- Use complexity treatment!



- Preflighter



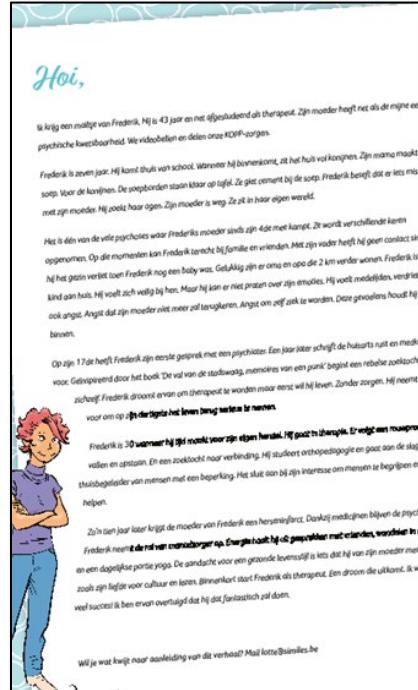
Object Editor:



Did you know?



- Why is text displayed fat on screen and low res Proof?



requise varient selon le pays et peuvent être modifiés ou retirés à tout moment. Vous devez accepter le contrat de services Microsoft sur le site [micros](#) **Proof 300dpi**

La qualité vidéo 4K Ultra HD

Les fonctionnalités améliorées

mis à jour. Informations sur les jeux

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Para uso exclusivo con sistemas Xbox One®. Requiere el disco del juego y hasta 50 GB de almacenamiento (sujeto a cambios).

We appreciate your feedback 😊

