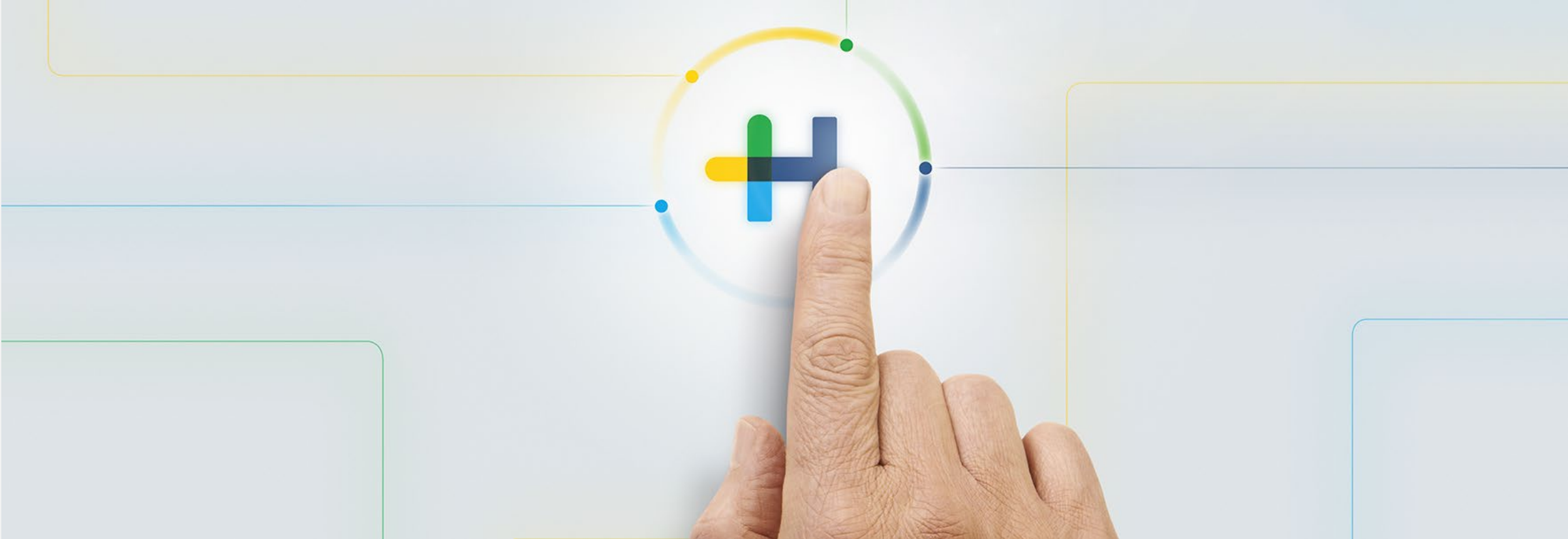


Prinect Update Training 2021.10



PDF Toolbox



Agenda

1. System requirements for PDF Toolbox 2021.10
2. What's new?
3. Help and tutorials





Explanation of Icons:



- Useful information



- Princt feature: Improvement can also be found in Cockpit



- Packaging Feature



- Digital Printing



System Voraussetzungen für PDF Toolbox 2021.10


Supported Acrobat Versions

PDF Toolbox 2021.10 PC	Acrobat 10, 11, DC
PDF Toolbox 2021.10 Mac	Acrobat 10, 11, DC

New: Support of Adobe Acrobat DC 64 bit Windows Version

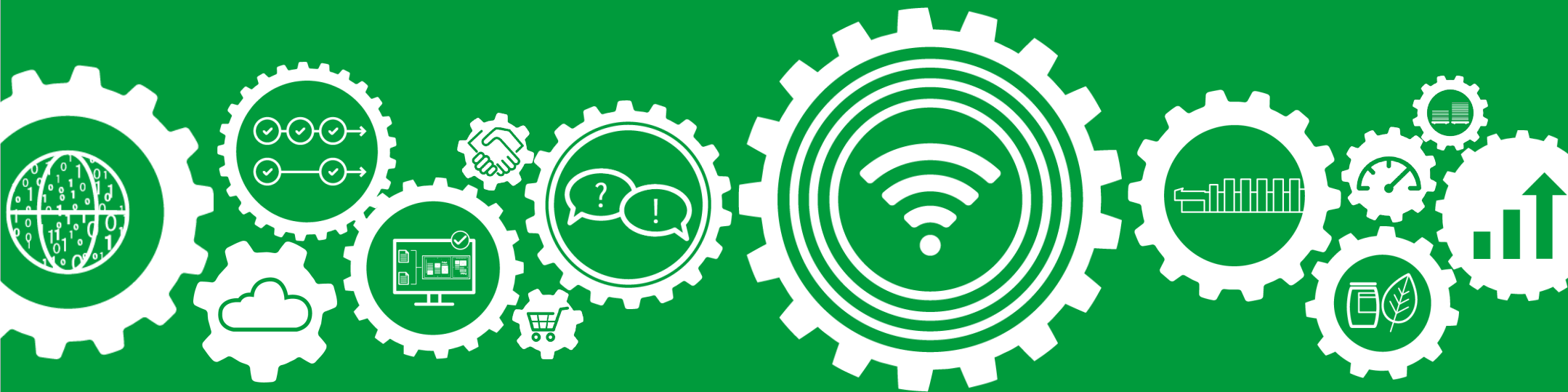
At time of installation the Installer is choosing the suitable version for either Acrobat 32 bit or 64 bit

 → To upgrade a 32-bit Acrobat version to a 64-bit version, all existing 32-bit plugins must be uninstalled for Acrobat to upgrade to the 64-bit version.

 → Fundamental change in Adobe Acrobat: in the latest version, no distinction is made between the full version and the reader. The program is then only called Acrobat and a corresponding license key decides whether only the reader or a full-fledged Acrobat version is running. The plug-ins are then only loaded in the full version, but still always installed. This behavior of Acrobat can change even during operation, e.B. a trial license expires. For the PDF Toolbox, this means that in the future it will also be installed in previous "reader only" versions. This is not a mistake and cannot be changed. For the operation of a "reader only" version, this is of no importance. Customers who do not want to have a PDF Toolbox in the reader and want to save disk space can uninstall it via the control panel.



What's new— PDF Report



PDF Report

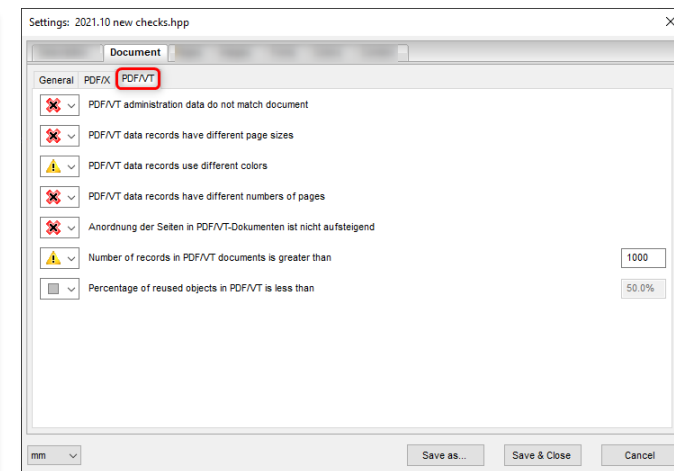
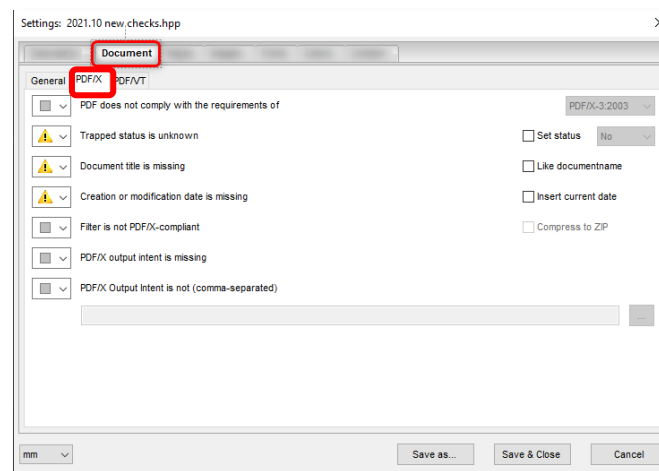
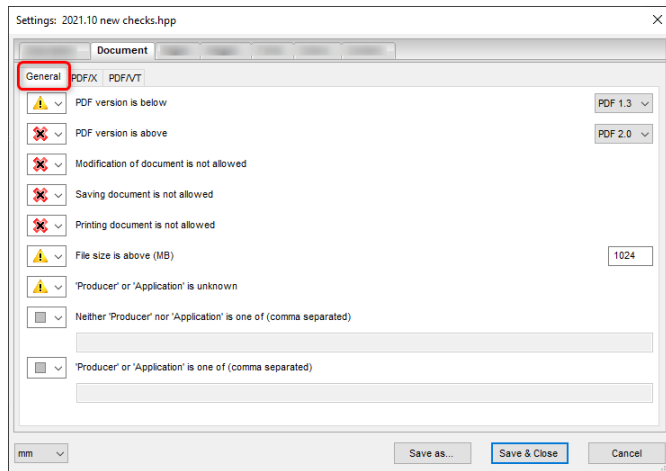


New: Reorder of tab “documents”



Motivation: Improvement

For a more structured overview the tab “document” was rearranged in “General”, “PDF/X” and “PDF/VT”:





PDF Report

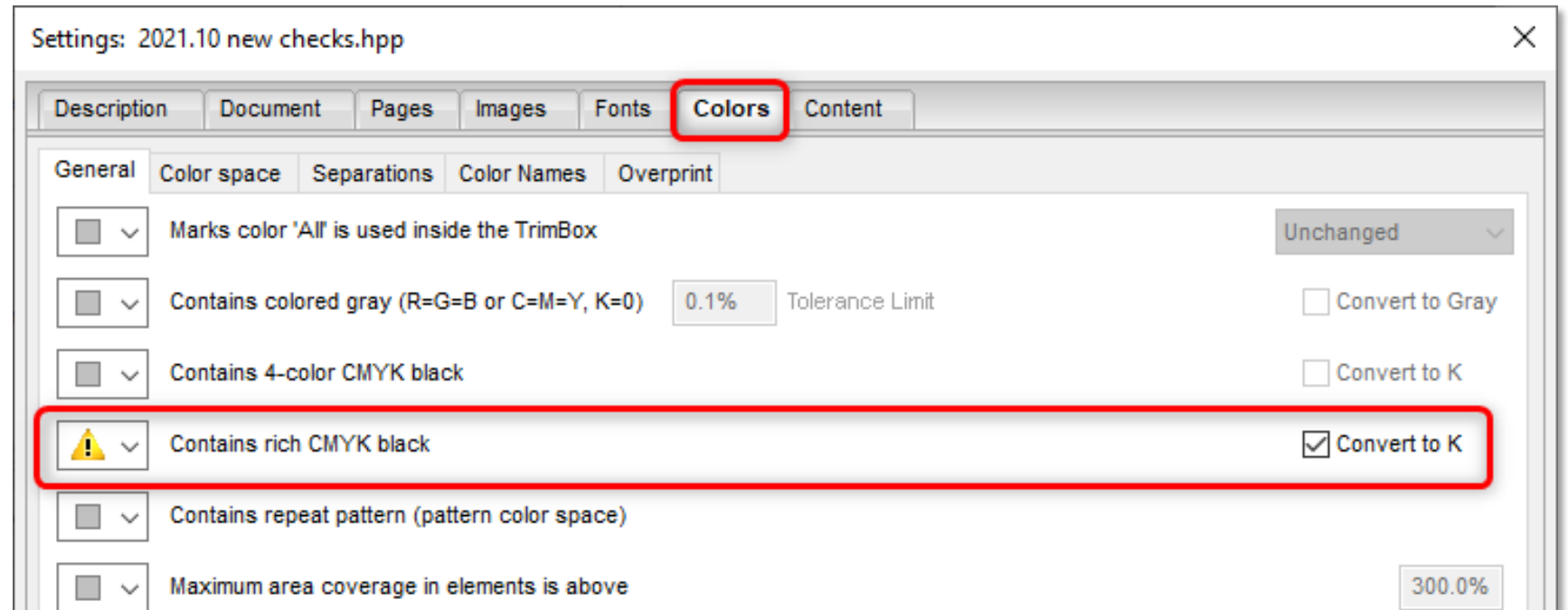


New: Convert rich black to black



Motivation: Customer wish for improvement

Fat black consisting of 100% K and additional arbitrary amounts of a or several CMY colors can be detected and optionally converted to K.





PDF Report

New Preflight checks for PDF/VT



Motivation: Improvement

For digital printers who process PDF/VT, new test criteria have been introduced. In practice, printers often receive "PDF/VT" from their suppliers with faulty structures. This data is then not printed at the expected speed. The new checks check the correctness of the PDF/VTs to ensure fast production:

New checks can verify the following:

- Data records have different page size
- Data records use different colors
- Data records have different amount of pages
- Data records have pages in the correct order
- amount of reused objects for efficiently printing



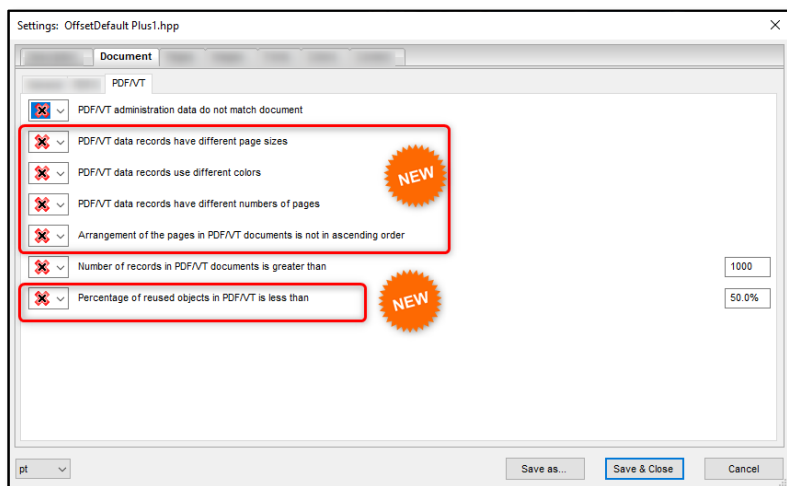
→ The benefit of a PDF/VT for digital printers is fast ripping resulting in high performance. A PDF/VT has the same static part over the pages it is only referring many times to the same static object. As pages are only referring to an object and it is not placed several times it can be ripped once which saves time and leads to high performance.

PDF Report



Example: Bad PDF/VT

The PDF has a different number of records, different page sizes, page colors and the proportion of recurring content is very low. A preflight with the following new checks provides the following information in the report under "Document" (Hint: for multiple selection press shift when selecting a warning or error)



HEIDELBERG

Document overview

File name: 2_PDFVT Check.pdf
Title: -
Application: -
Producer: -
Author: -
Created on: 10/06/2003 01:02:35 PM
Date Modified: 03/04/2021 11:38:31 AM
File Size: 27.3 MByte / 27997.4 KByte
Trapped: Unknown
Output Intent: -
PDF/X Version: -
PDF Version: 1.6 (PDF/VT)
Documents / Pages: 5 / 2-4 (18)
MediaBox: 506.83 x 738.58 pt / 709.00 x 992.00 pt
TrimBox: 461.47 x 693.22 pt / 595.28 x 841.89 pt

Summary	Error	Warning	Corrected	Info
✘ Document	4	1	-	-
⚠ PDF/X	-	2	-	-
⚠ Pages	-	13	-	-
🔍 Colors	-	-	-	-
🔍 Fonts	-	-	-	-
🔍 Images	-	-	-	-
🔍 Content	-	-	-	-

Document

- ✘ Percentage of reused object in PDF/VT is 0.4%
- ✘ PDF/VT data records have different page sizes
- ✘ PDF/VT data records use different colors
- ✘ PDF/VT data records have different numbers of pages (2-4)
- ⚠ *'Producer' or 'Application' is unknown

PDF/X

- ⚠ Trapped key is not set
- ⚠ Document title is missing

In the check "Number of reused objects in PDF/VT" the default is 50%.
The smaller the value, the worse the PDF is constructed and the longer the rip process takes.

Since these checks are *global checks*, they are not shown in the navigator.
If started from set "No content check" the amount of reused objects is not checked!
Enable even 1 check to get a content check.



New tests: Adaptation to the GWG preflight test criteria 2015



Motivation: Improvement

Based on the preflight standards of the Ghent Workgroup, the Preflighter has been improved by additional checks and preflight sets.



→ *What is the Ghent Workgroup (GWG)?*

The GWG is an international organization made up of graphic users, associations and developers who develop best practices for publishing and packaging workflows. The resulting recommendations and specifications make it easy for a growing number of professionals around the world to successfully create, process and share graphics files for numerous applications.

(source: [Home - Ghent Workgroup \(gwg.org\)](http://www.gwg.org))

- The Ghent Group has described in a document the requirements that a PDF file must meet in order to comply with the *GWG2015 specification*. The preflight standard from GWG has been raised to iso standard (ISO standard 19593-1/GWG2015)
- The *GWG2015 specification* is based on current ISO standards (PDF/X-4), but has additionally added a number of specific requirements for various market segments such as newspaper printing or magazine. The Preflighter has also received new preflight parameter sets, which checks based on them. ("Examination à la GWG")



New Preflight sets: Adaptation to the GWG preflight test criteria 2015



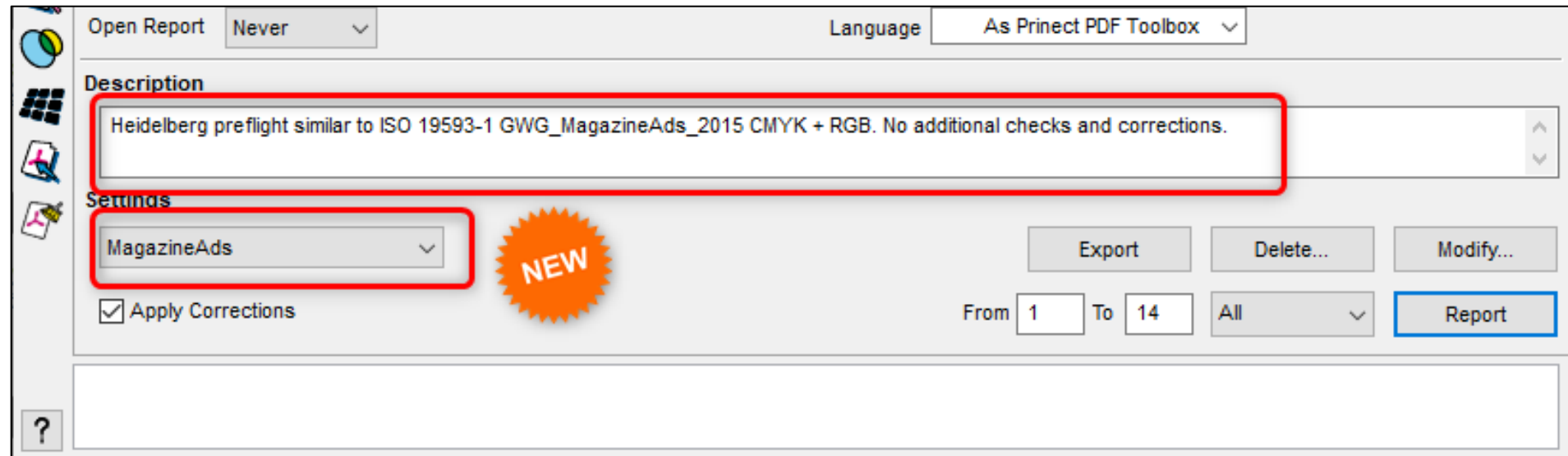
Motivation: Adaptation to the GWG preflight criteria

Based on the preflight standards of the Ghent Workgroup, the Preflighter has been extended by several checks and additional preflight sets.

Based on the specification of the Ghent Work Group (GWG), there are new sets.
It is preflighting according to ISO standard and optionally corrected, but not specified!

"Plus" means that the set also includes Heidelberg specific additional checks and content corrections)

- Newspaper Ads
- Newspaper Ads Plus
- Magazine Ads
- Magazine Ads Plus
- Sheet CMYK
- Sheet CMYK Plus
- Sheet Spot
- Sheet Spot Plus



PDF Report



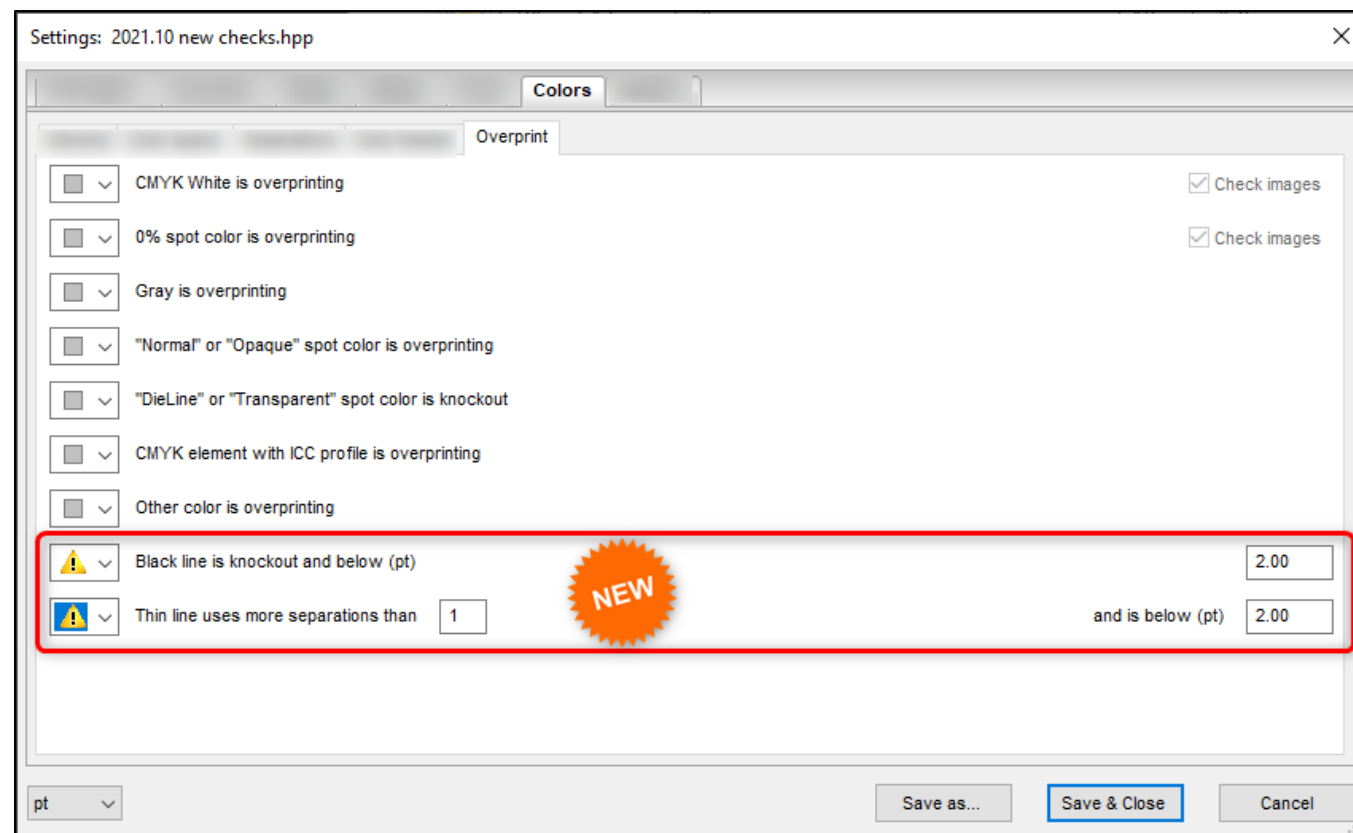
New check: thin line uses more than 1 color under 2 pt and black lines is knocking out under 2 pt



Motivation: Adaptation to the GWG preflight criteria

- In order to avoid misregister problems with fine lines, it is possible to check for colored lines under a certain line thickness
- Black lines below 2 pt (0.71 mm) should overprint.

This can be checked:



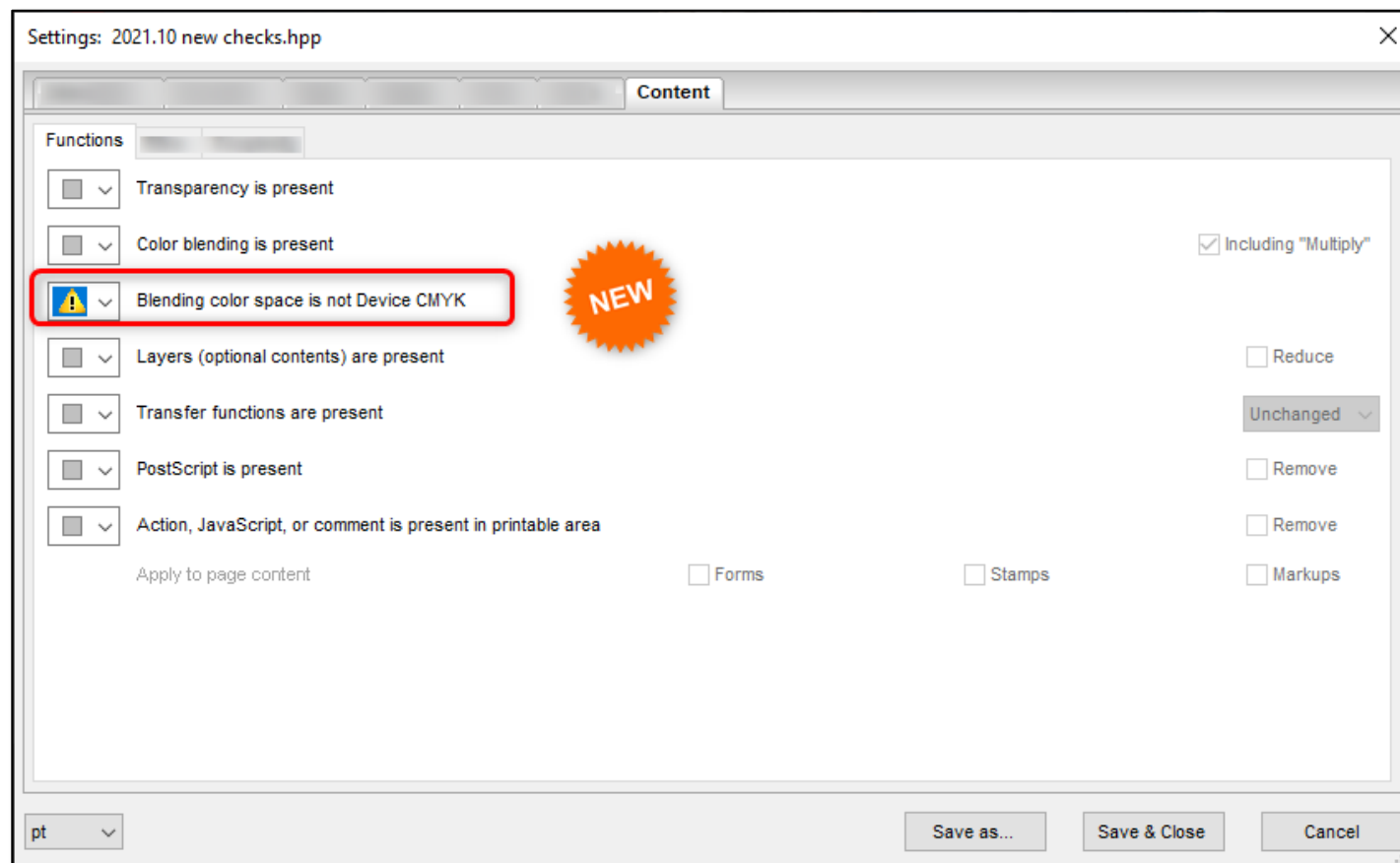


New check: Transparencies - Colorspace for blending



Motivation: Adaptation to the GWG preflight criteria

If in case of transparency a blend mode is used, the color space for the blending should be Device CMYK to avoid unwanted CMM. (colorspace can be set in the applications e.g. Indesign/Photoshop/Acrobat). This can be checked:



PDF Report



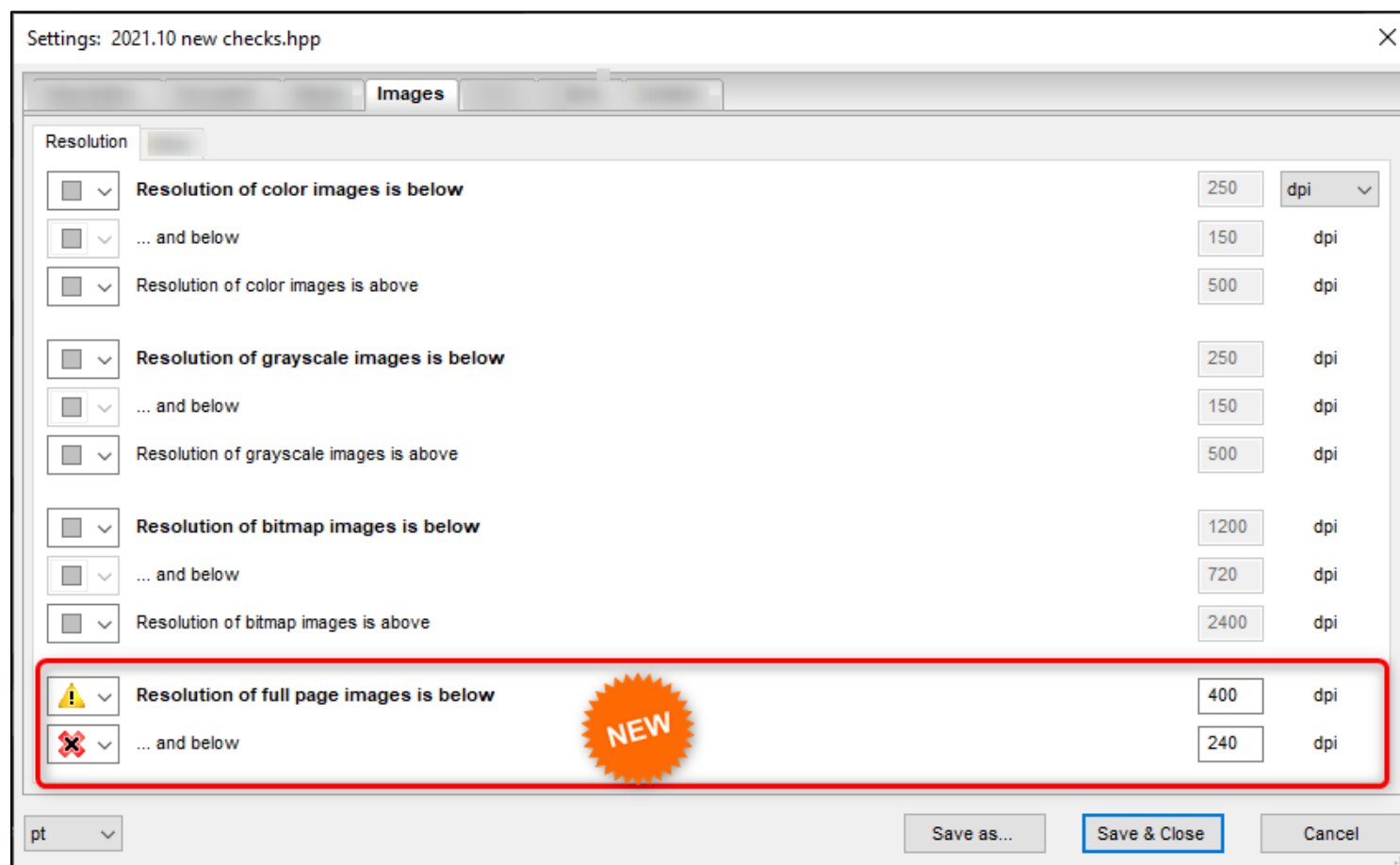
New check: Resolution of full page images



Motivation: Adaptation to the GWG preflight criteria

According to the GWG specification, full page images should be checked separately for resolution.

The resolution of full-page images might be higher than smaller images:



PDF Report

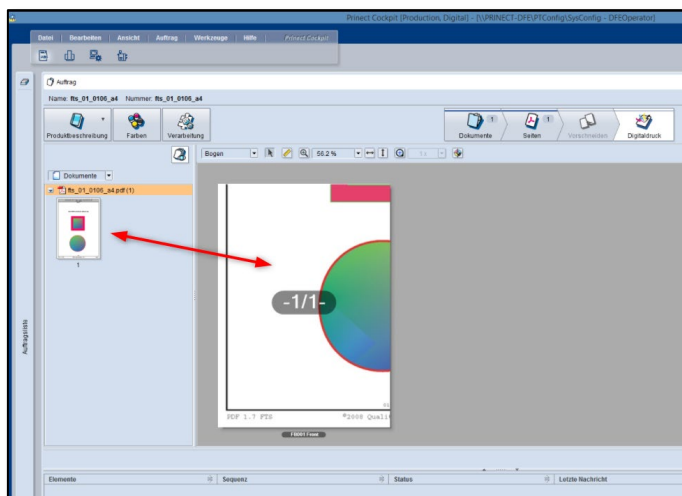


New Check: Check for scale operators

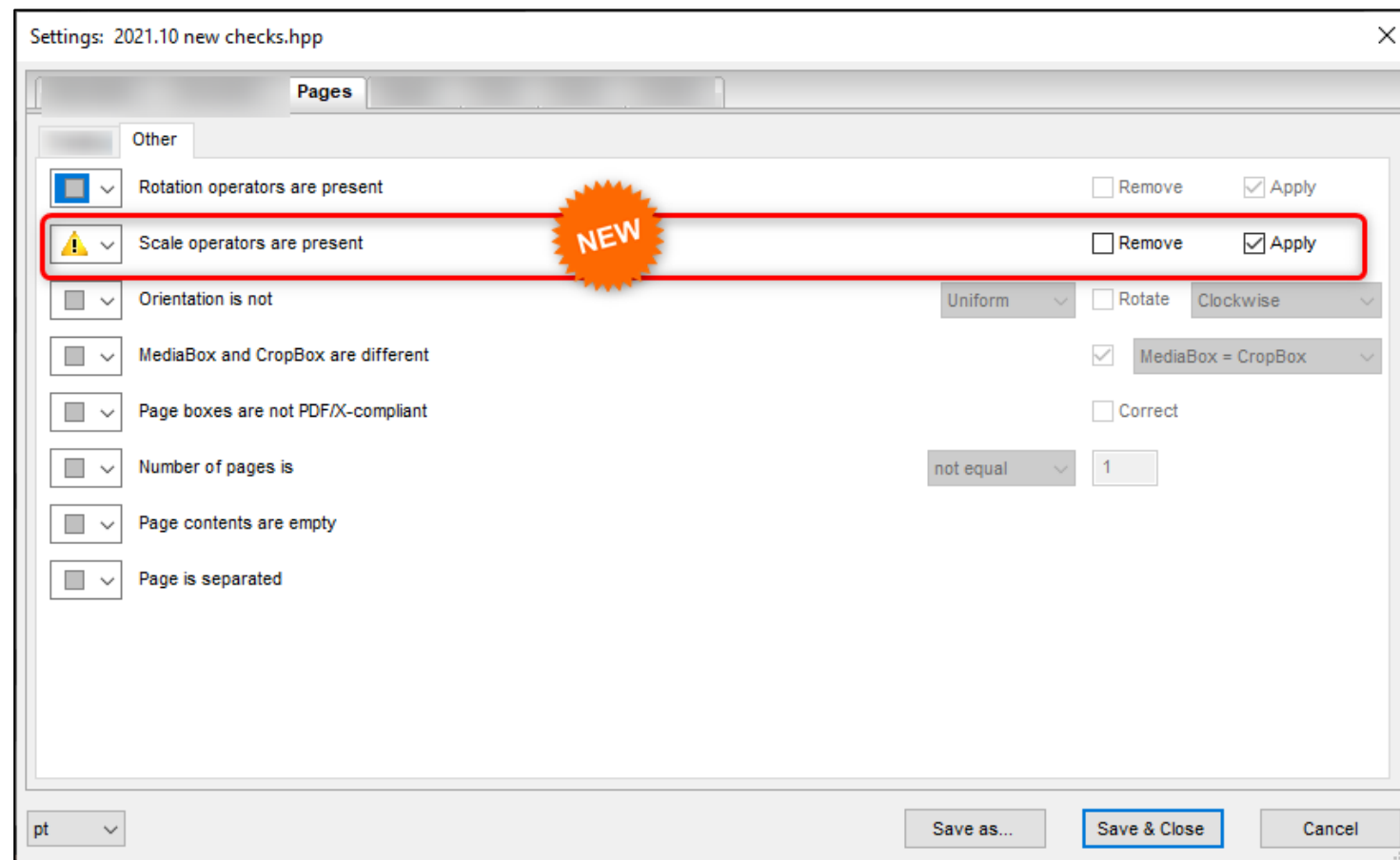


Motivation: Adaptation to the GWG preflight criteria

Specified scaling operators lead to unexpected result.
In print, the PDFs were then produced scaled.
In the preview of the DPM, however, the enlarged PDF was visible:



To make this scaling visible in advance or avoid a scaling, a scaling operator can optionally be *removed* or *applied*:



PDF Report



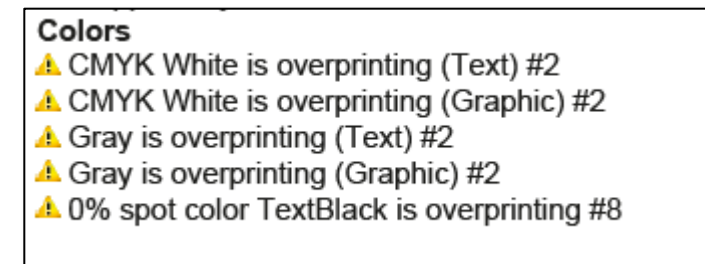
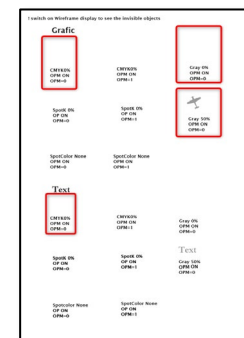
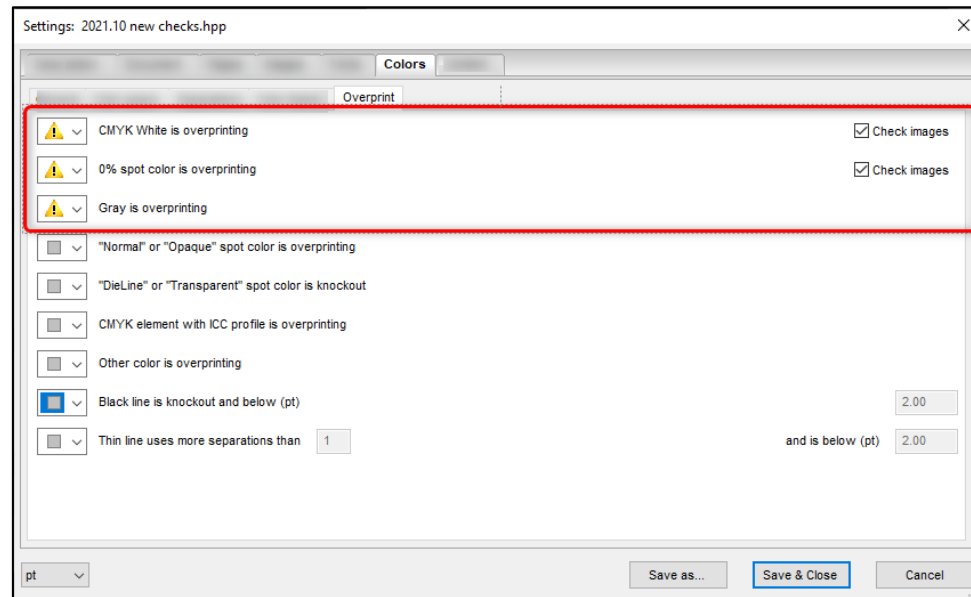
New: Different messages for different overprinting elements



Motivation: Adaptation to the GWG preflight criteria

When checking for overprinting, *gray* (Device Gray, not 50%K in cmyk color space) and *white* (CMYK 0% or gray 0%) now displayed in a more differentiated way, what *kind of object* is overprinted. For gray and white, in the Preflight Report you see a distinction between:

- Text
- Graphic
- Images





New check: Ambiguous color recipes for Spot Colors

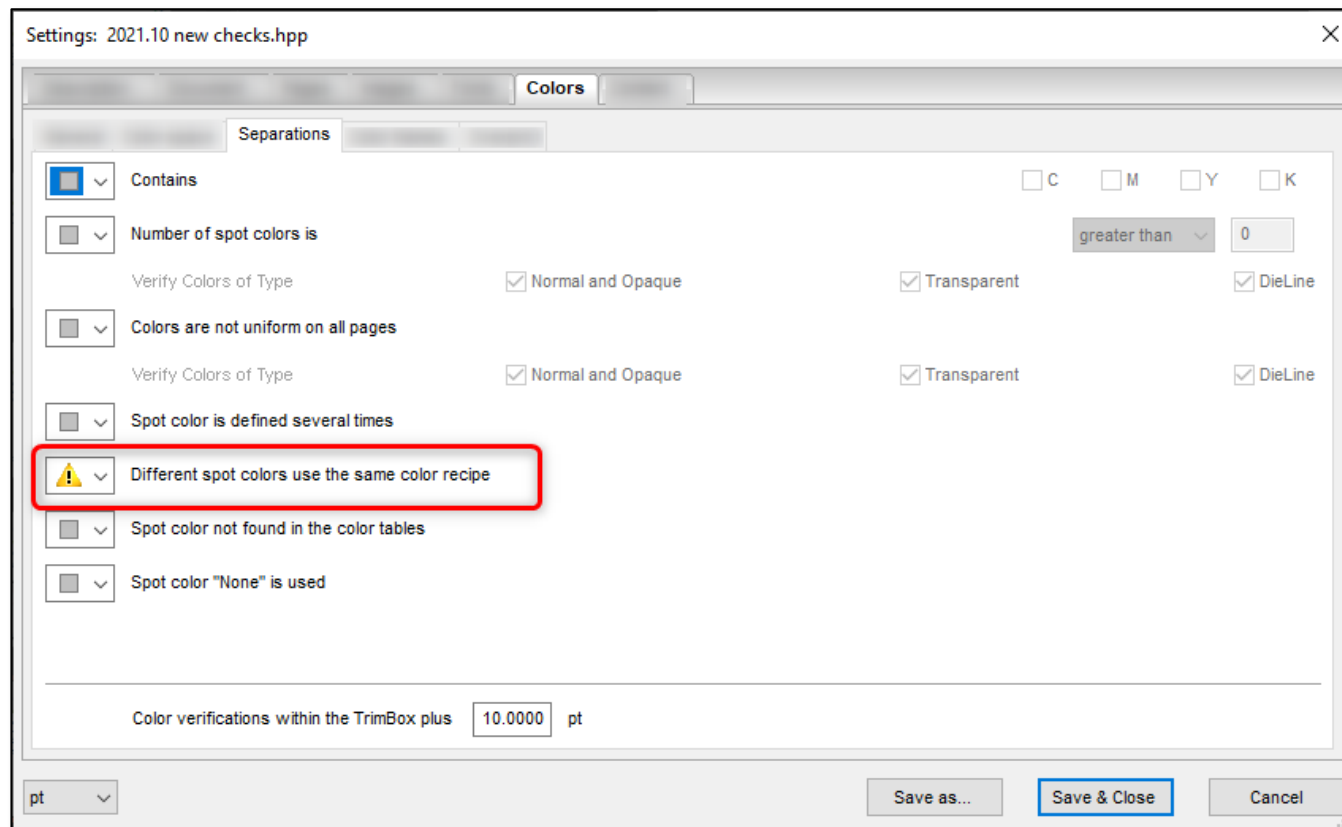


Motivation: Adaptation to the GWG preflight criteria

The Preflighter can check for the color recipes of the special colors and determine whether identical recipes are used for different spot colors.

So far, there was only the check on "Special color is defined several times". This has only tested for special colors in HKS and Pantone.

If different spot colors use the same color recipe, they should be from the Operators are summarized before output so that no unnecessary excerpts arise.



PDF Report

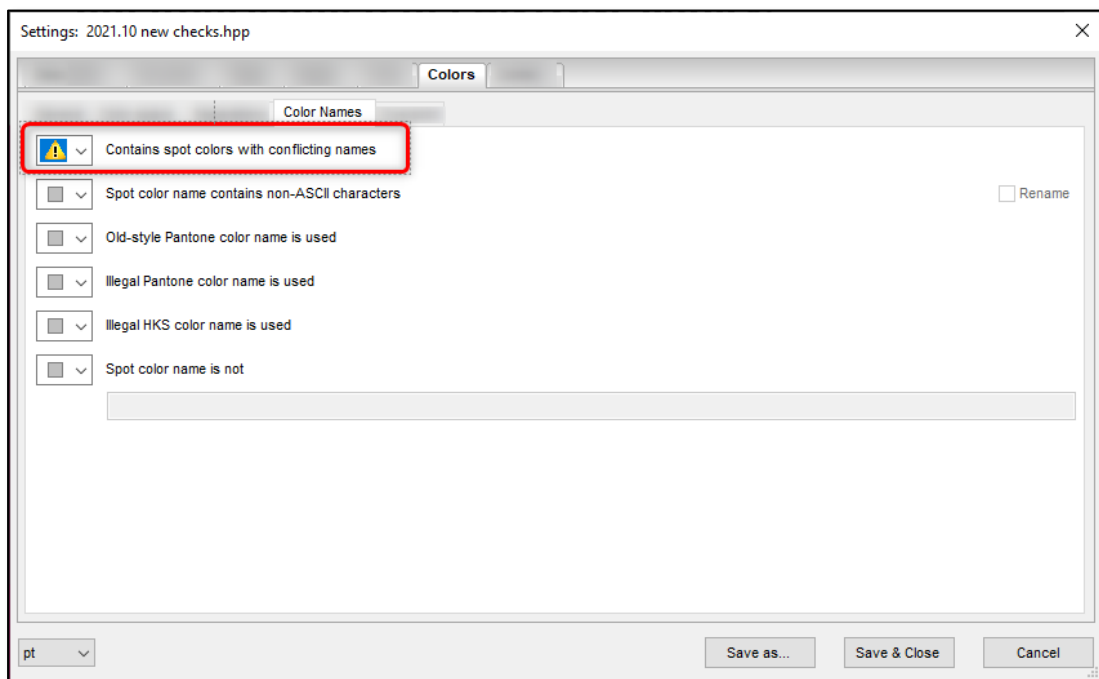


New: change in check of Spot Colors naming



Motivation: Adaptation to the GWG preflight criteria

The Preflighter can check the name of a spot color known e.g. like “Pantone Rubine Red C” and “Pantone Rubin Red U”. As an improvement the upper or lower case writing of a PostFix is warned if this check is enabled:



PDF/X
✔ Document title is missing

Colors

- ⓘ Spot color Hugo 123 XY used #1
- ⓘ Spot color Hugo 123 xy used #1
- ⓘ Number of spot colors 2 is greater than 0

Additional information
Settings used: OffsetDefault Plus

BEFORE

PDF/X
⚠ Document title is missing

Colors

- ⚠ Hugo 123 xy and Hugo 123 XY use the same color recipe

Additional information
Settings used: 2021.10 new checks

Color separations: 6
■ ■ ■ ■ CMYK
■ Hugo 123 xy
■ Hugo 123 XY

NEW



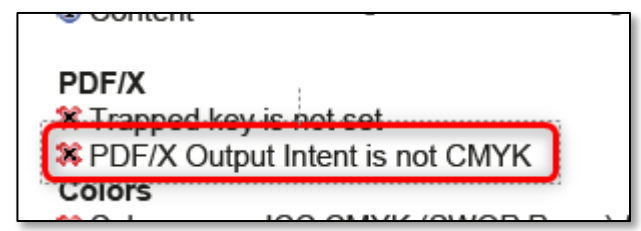
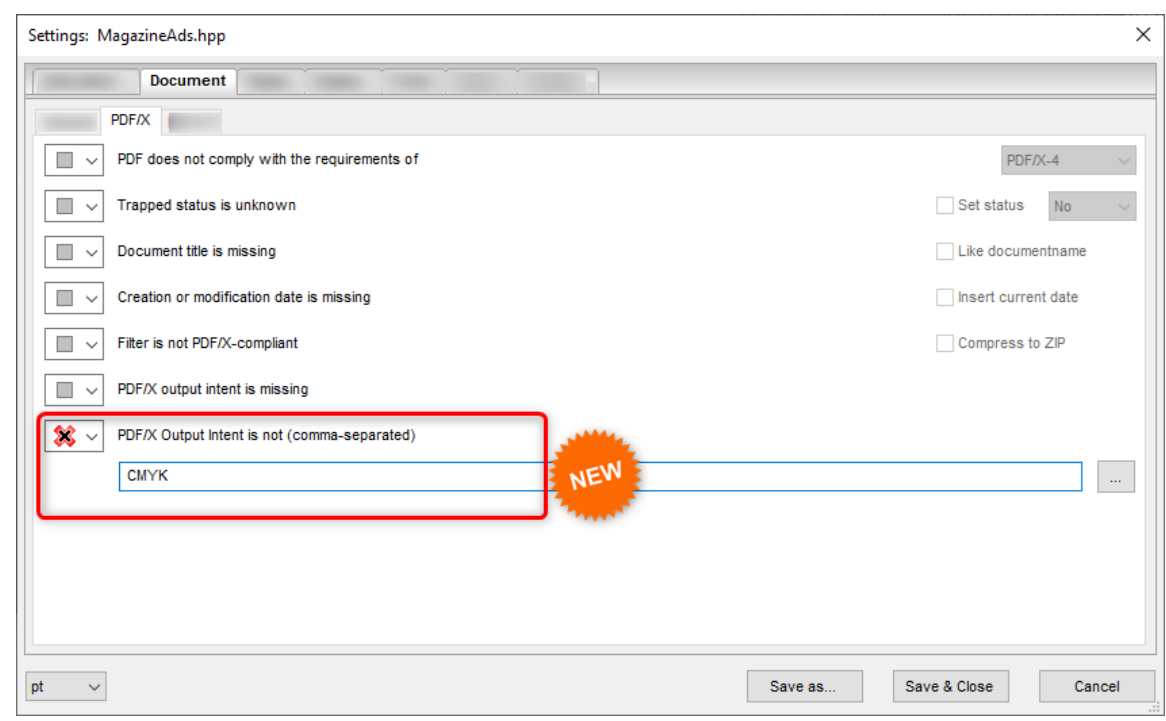
PDF Report

New check: Check for Output Intent Color Space



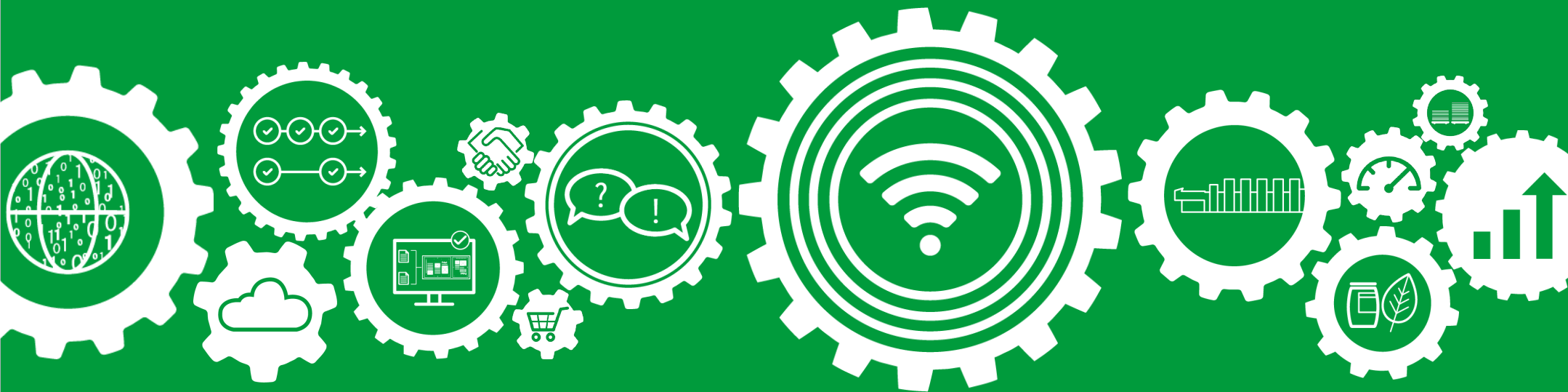
Motivation: Adaptation to the GWG preflight criteria

Check if the Output intent is CMYK. Other colorspace like "Gray,, or "RGB" can be checked as well.





What's new?—Spot Colors



Spot Colors

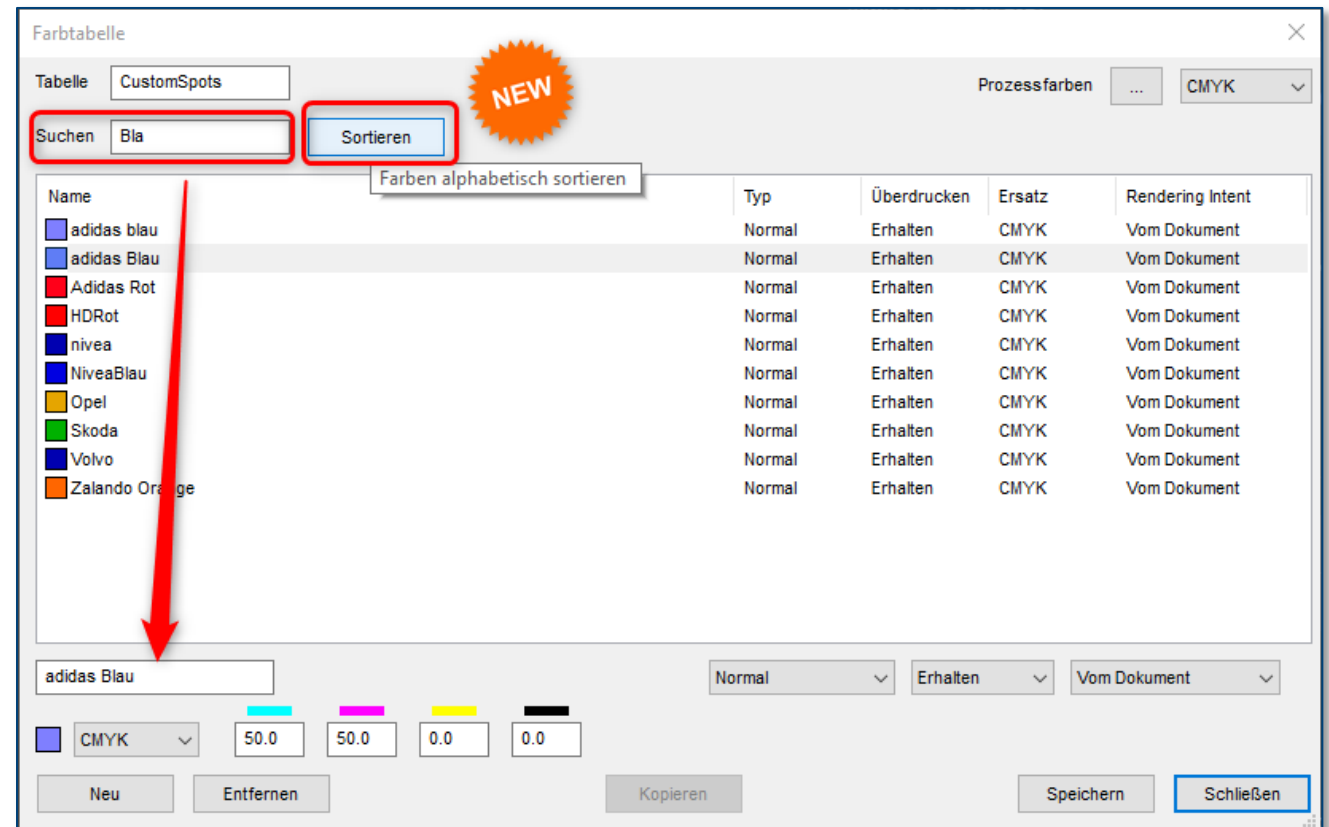


New: alphabetically sorting by color name & improved search

Motivation: Ease of Use

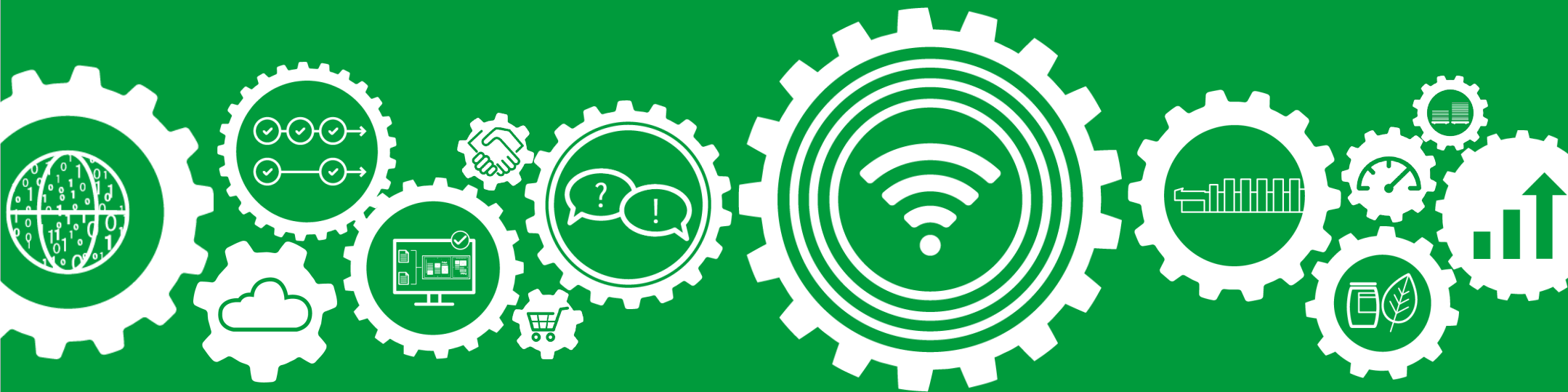
By clicking on "Sort" the names of the colors are alphabetically -case insensitive- sorted case-sensitive:

In addition, the search function has been improved so that only parts of a name must be entered, then the first found color displayed.





What's new?– Barcode & VDP Editor





Barcode & VDP Editor – Variable Data

New: Support of UTF-16 encoding of CSV files

Motivation: Improvement

Until now only UTF-8 was supported. CSV files in UTF-16 the header was not listed. This is possible now.

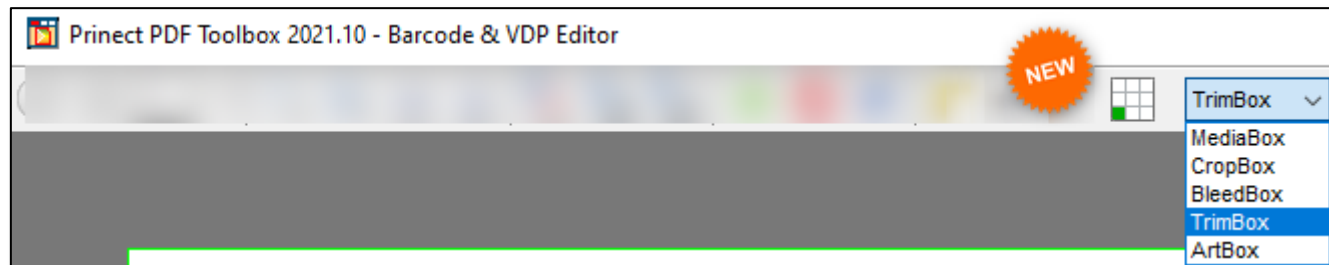


Barcode & VDP Editor – Variable Data

New: referencepoints for placing dynamic marks

Motivation: Ease of Use

Until now, the placement of the stamps was based on the paper format (Mediabox).
Now the customer can choose the reference and the starting point:





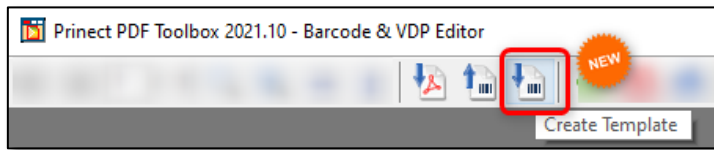
Barcode & VDP Editor – Variable Data

Neu: "cleaning content" for mixed media production

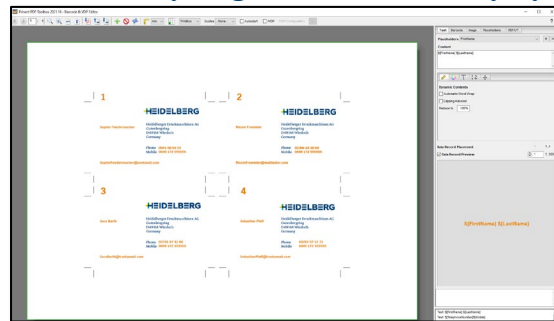


Motivation: Improvement for Mixed Media Production

New icon to remove static content. All that remains on the PDF are the dynamic markers or the dynamic content:



Use case: For business cards, the static content should be produced in a high edition in offset and the dynamic content should be digitally printed as required. After placement of the dyn. Markers for e.B.g. "Name", "Address", etc., the static content is removed by "Create template". As a result, you get a PDF with only dynamic markers, which can then be output



blue=static content/offset, orange= dynamic content/digital printing

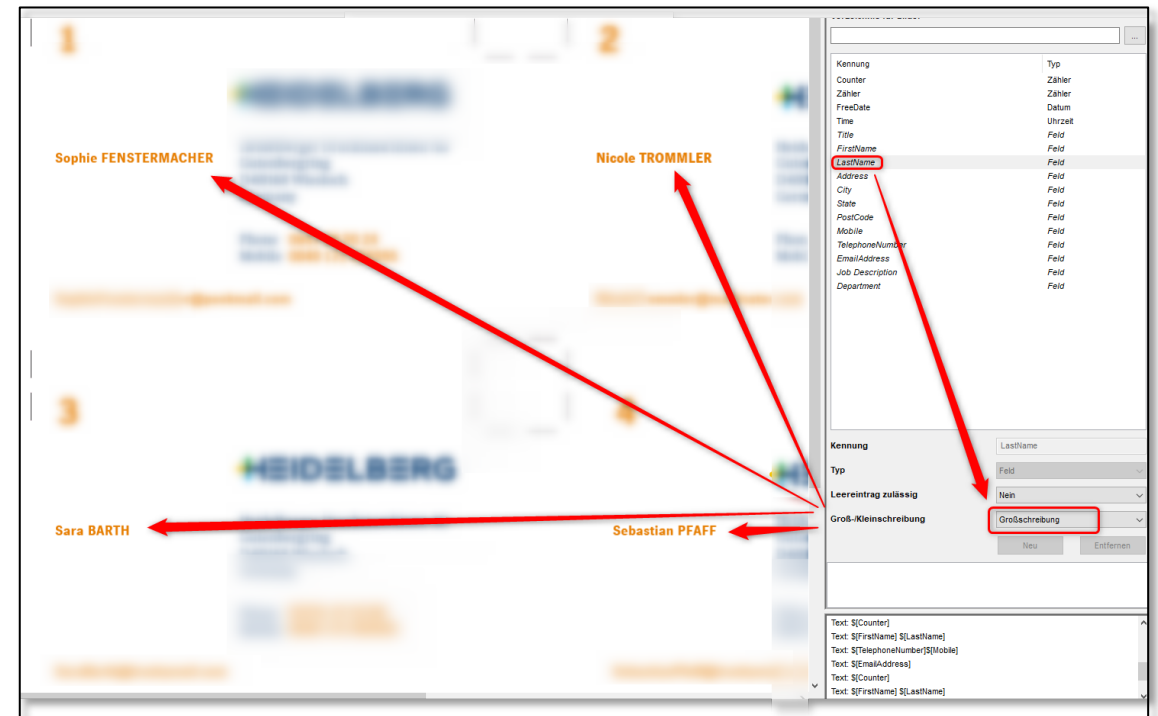
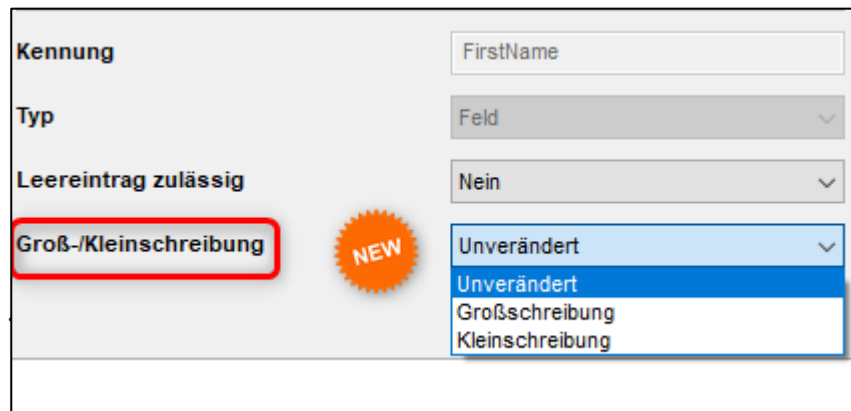
Barcode & VDP Editor – Variabler Datendruck



New: force capital letters

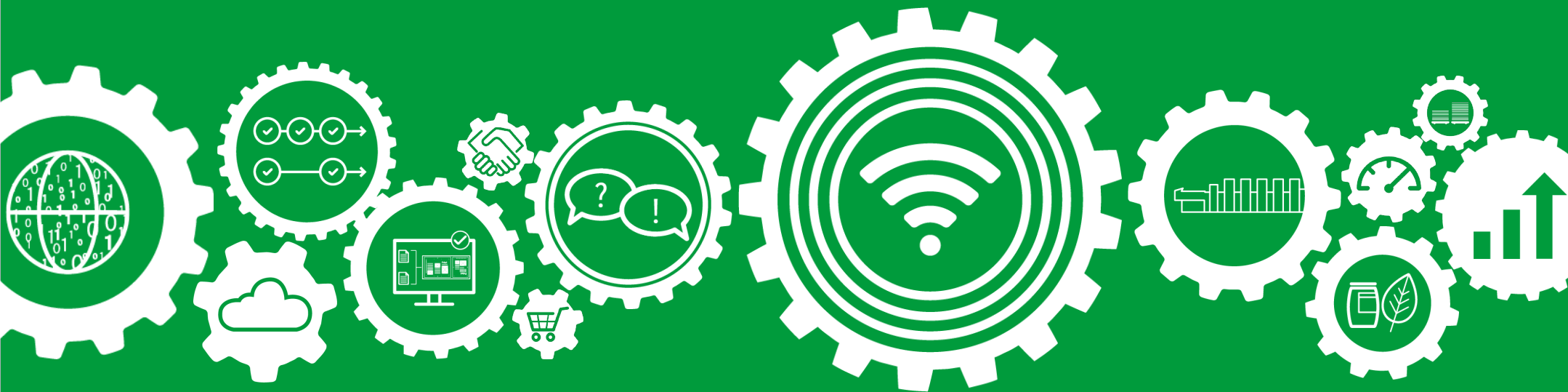
Motivation: Customer wish

For dynamic texts, the "Placeholder" tab can now optionally be case sensitive. Thus, regardless of the spelling in the CSV file, e.B. all surnames can be written in capital letters:





What's new?– Assemble Pages



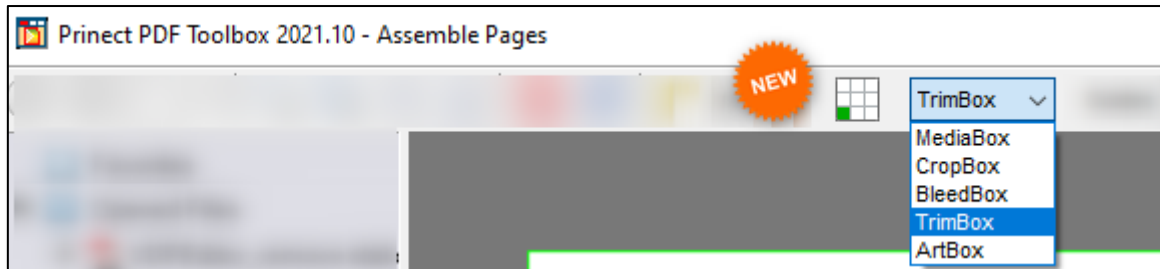


Assemble Pages

New: new reference points selectable

Motivation: Ease of Use

Until now, the placement of the stamps was based on the paper format (MediaBox).



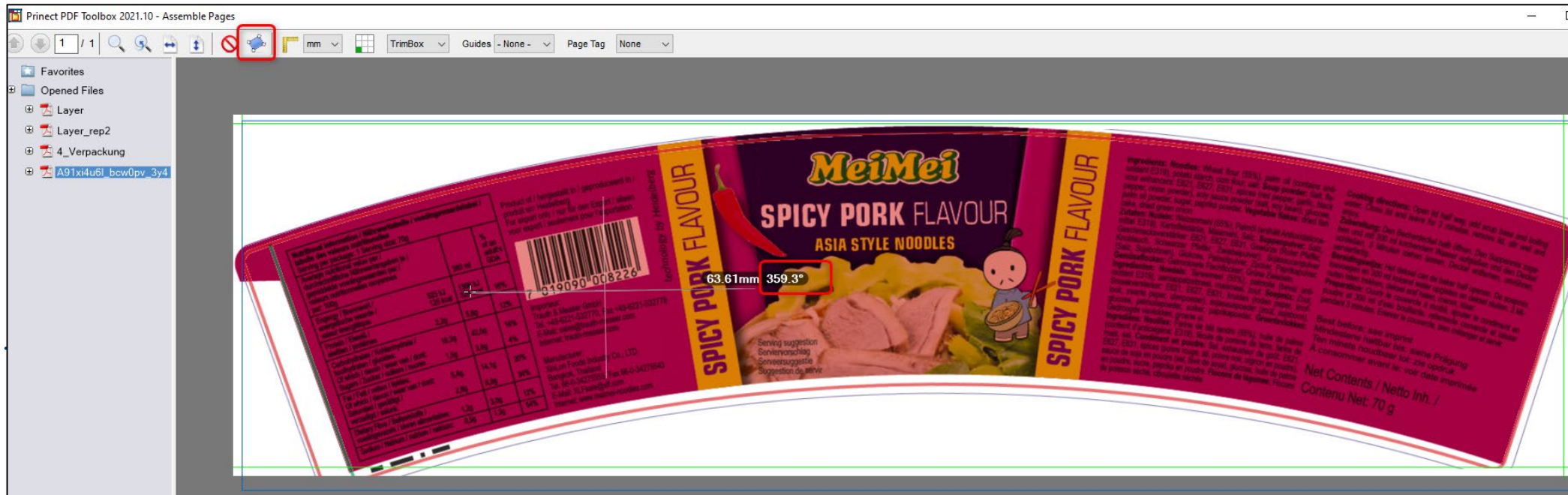
Assemble Pages



Neu: Tool for measuring the angle 

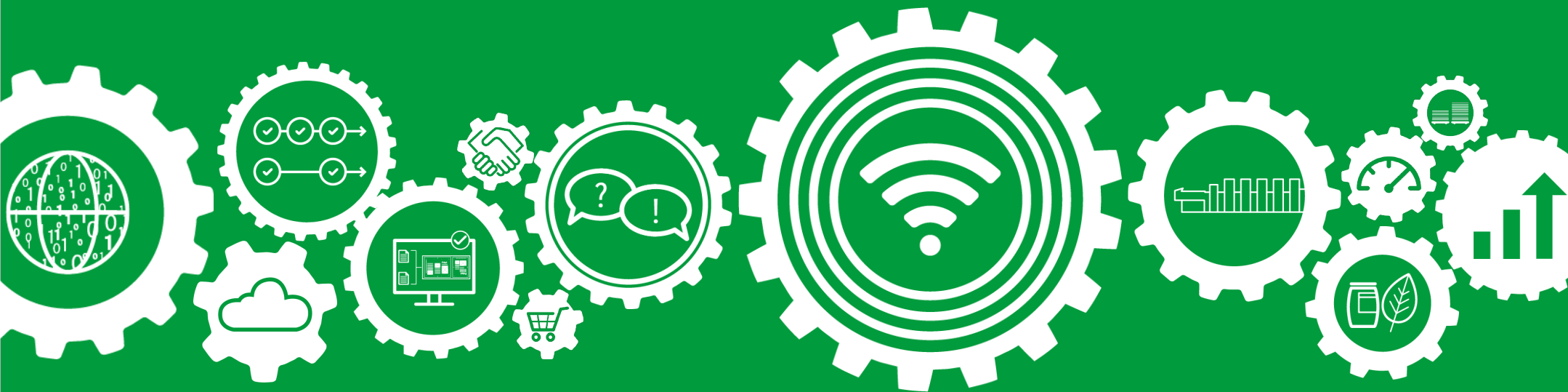
Motivation: Customer wish

With the help of assemble pages, the fit of a diecut to the PDF can be checked. If the diecut has to be turned slightly, the angle can be adjusted with the help of the “rotate” tool. The angle is displayed in the tape measure icon:





What's new?– Show Effects





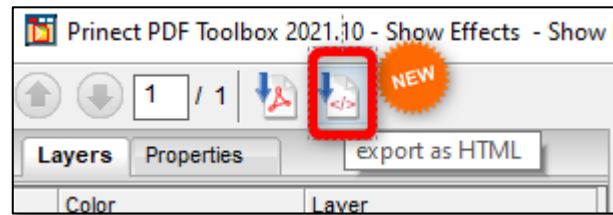
Show Effects

New: Improvement of display of refinement



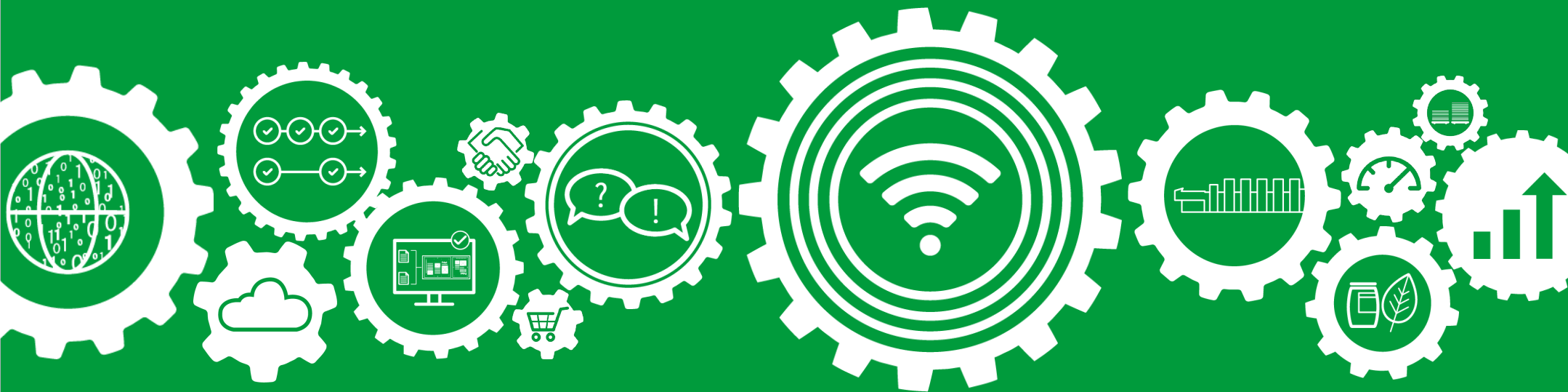
Motivation: Improvement

In earlier versions, the refinement separations in the exported 3d PDF were poorly displayed. Now the PDF is exported as HTML and the refinement separations, especially reflexions are improved again.





What's new?– Assemble documents



Assemble documents



Neu: Verbesserung der Übersicht



Motivation: Ease of Use

The following has been changed for a better overview:

- Bounding lines of the columns
- Deposit of the rows alternately with gray or boundary lines of the lines
- Marking the columns for which selection is possible
- Make it clear that text input for text (register) is only possible if an index sheet is selected

Dateiname	Seiten	Format	Auswahl	Bereich	Doppelseitig	Geradzahlig	Trennblatt	Leerseiten	Einlegeblatt
Chapter1.pdf	14	210 x 297 mm	Alle	1-14	ja	ja	nein	0	0
Chapter8.pdf	11	210 x 297 mm	Alle	1-11	ja	ja	nein	0	0
Chapter2.pdf	3	210 x 297 mm	Alle	1-3	ja	ja	nein	0	0
Chapter3.pdf	11	210 x 297 mm	Alle	1-11	ja	ja	nein	0	0
Chapter4.pdf	7	210 x 297 mm	Alle	1-7	ja	ja	nein	0	0
Chapter5.pdf	21	210 x 297 mm	Alle	1-21	ja	ja	nein	0	0
Chapter6.pdf	10	210 x 297 mm	Alle	1-10	ja	ja	nein	0	0
Chapter7.pdf	12	210 x 297 mm	Alle	1-12	ja	ja	nein	0	0

Dateiname	Seiten	Format	Auswahl	Bereich	Doppelseitig	Geradzahlig	Startblatt	Text (Register)	Leerseiten	Einlegeblatt	Papier
Chapter1.pdf	14	210 x 297 mm	Alle	1-12	ja	ja	Registerblatt	Text	0	0	1 - Standard
Chapter8.pdf	11	210 x 297 mm	Alle	1-11	ja	ja	nein		0	0	1 - Standard
Chapter2.pdf	3	210 x 297 mm	Alle	1-3	ja	ja	nein		0	0	1 - Standard
Chapter3.pdf	11	210 x 297 mm	Alle	1-11	ja	ja	nein		0	0	1 - Standard
Chapter4.pdf	7	210 x 297 mm	Alle	1-7	ja	ja	nein		0	0	1 - Standard
Chapter5.pdf	21	210 x 297 mm	Alle	1-21	ja	ja	nein		0	0	1 - Standard
Chapter6.pdf	10	210 x 297 mm	Alle	1-10	ja	ja	nein		0	0	1 - Standard
Chapter7.pdf	12	210 x 297 mm	Alle	1-12	ja	ja	nein		0	0	1 - Standard

Assemble documents



New: renaming heading „separator sheet“ to „start sheet“



Motivation: wrong wording

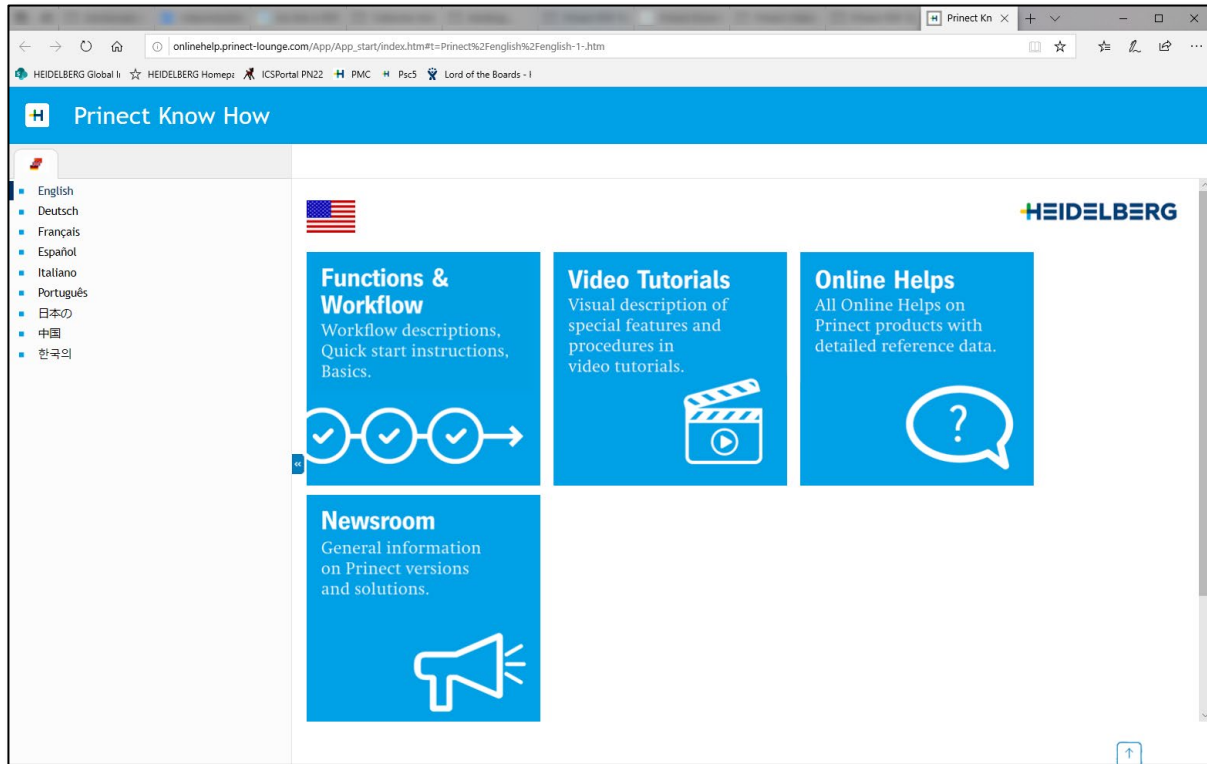
In previous versions, the heading was "separator sheet". Since this does not correctly describe the selection options in digital printing, it has been renamed to "Start sheet". Optional insert or index sheets can be selected here:

File name	Pages	Format	Selection	Region	Double-sided	Even	Start Sheet	Text (Register)	Blank pages	Insert	Paper
6_Documenth	14	210 x 297 mm	All	1-14	yes	yes	no		0	0	1 - Default



3. Help & Tutorials

Hit  or “Help” -> Plug_in Help for Online Help and click to “Prinect Know How”:



© 2021, Heidelberger Druckmaschinen AG. All rights reserved.