

ArtPro+ 23.03

What's New

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Import JDF from Phoenix

Import JDF

- Phoenix is the market leading solution for generating optimized printing layouts
- Layouts from Phoenix can now seamlessly be opened in ArtPro+ introducing a non-destructive file exchange. Mission critical links to product PDFs and metadata like ink order and screening, product and job information are being maintained

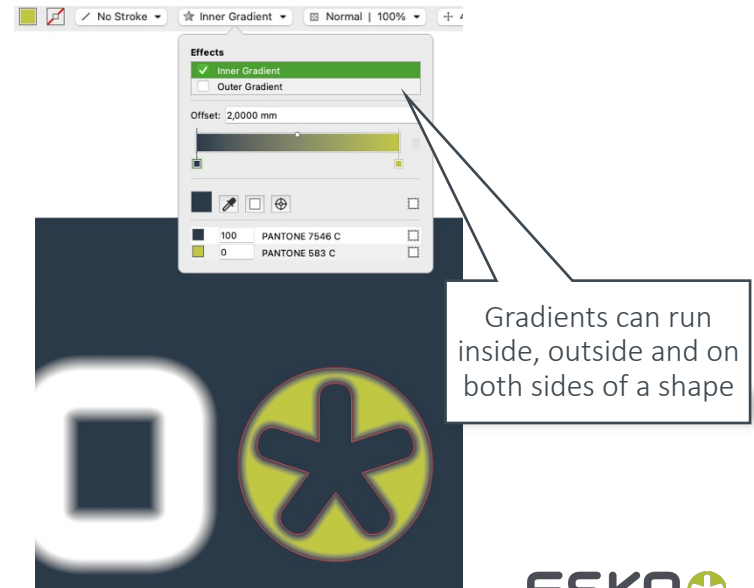
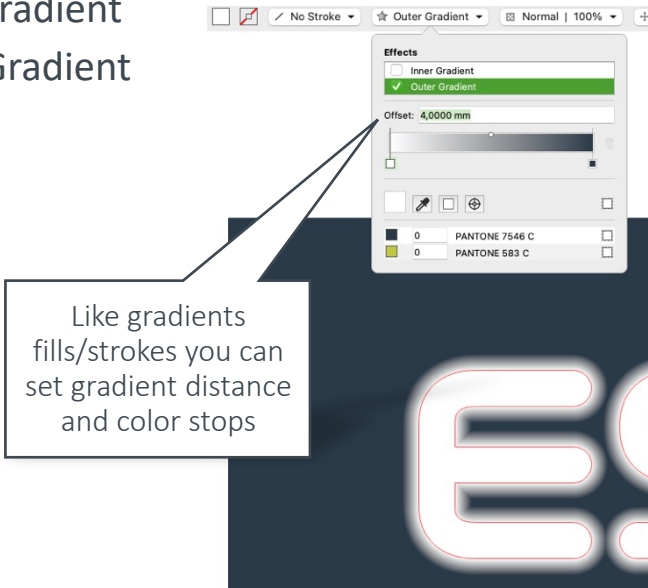


Gradient Effects

and keeping Classic ArtPro Multistep Gradients
editable

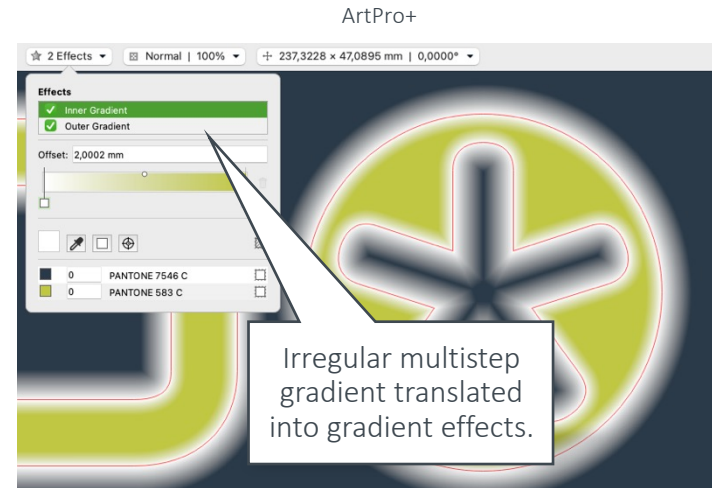
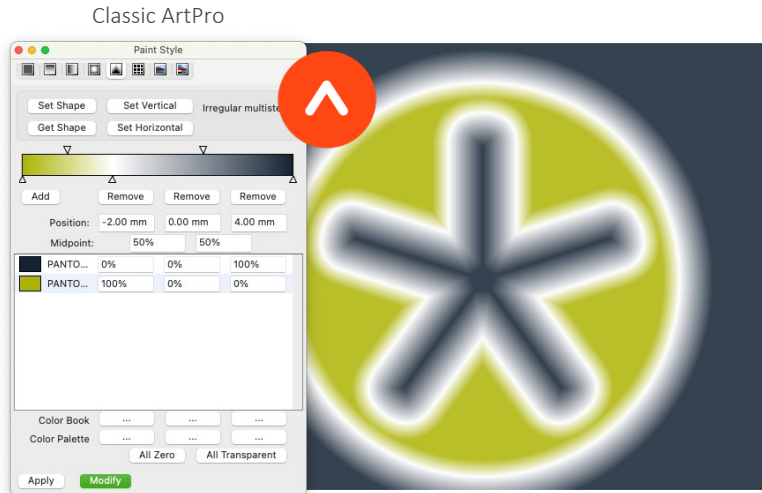
Effects

- Packaging artworks often include special design features that are blending objects from one into another or even multiple colors
- ArtPro+ 23.03 is introducing two types of effects allowing to create shapes with color blendings
 - Inner Gradient
 - Outer Gradient



Effects

- When opening classic ArtPro files, most multistep gradients remain editable as inner and outer gradient effects



Note: Classic multistep gradients only become effects when converting to PDF+.

Export PDF

... for viewing and others

Export PDF For Viewing

- Not all PDF viewers honor print order or ink opacity resulting in wrong visualisation
- Export PDF For Viewing will “flatten” the artwork and resolve overprint and opacity properties into the graphics



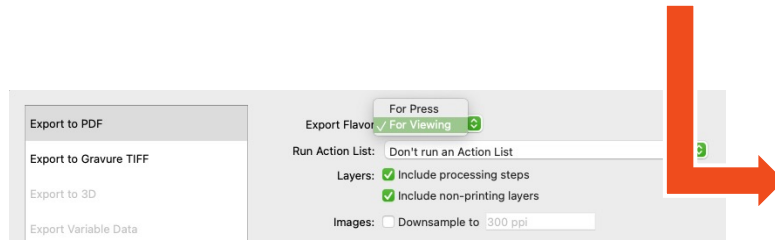
Situation:
Opaque green overprinting grey



View in Esko PDF viewers:
PDF Opacity is honored



Wrong view in “other” PDF viewers:
PDF Opacity is not honored



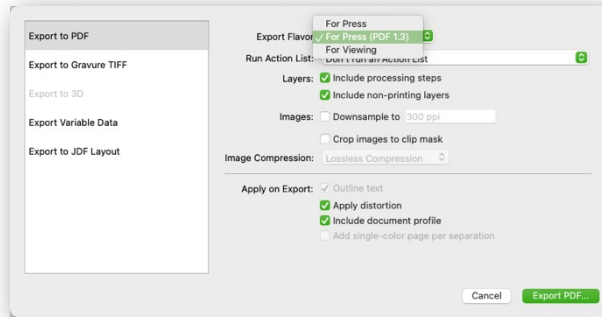
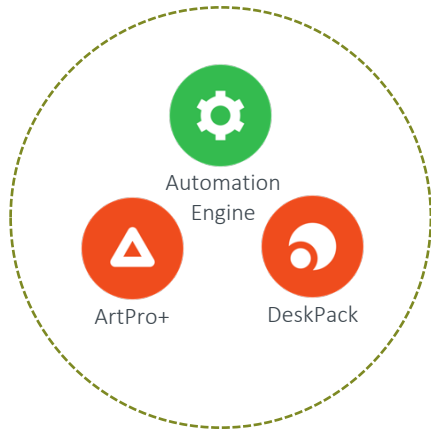
Export to PDF For Viewing



Correct view in “other” PDF viewers.

Export PDF 1.3

- There's a large number of legacy rips still being used in packaging print production
- To allow those to output modern designs you can now export to PDF 1.3 compatible file



GMG OpenColor Connector

Modify GMG OpenColor Separation Values

- You can now instantly handle exceptions to the GMG separation rules by changing and recalculating the separation recipe

Conversion Method: Convert with GMG OpenColor Project

Flatten objects before conversion

Source: ISO Coated v2 (39L) - PANTONE® Solid Coated V4

Destination: Esko Demo Flexo Printer MYCK 45Spots

Separation Rule: ISO Coated v2 (39L) - PANTONE® Solid Coated V4 to Esko Demo Flexo Printer MYCK 45Spots V6

Name	Magenta	Yellow	Cyan	Black	PANTO_130 C	PANT_95 C	PANT_83 C	PANT_46 C	AE 2000
My White	100,0	10,5	-	9,3	-	-	-	-	2,3 C
Magenta	-	-	-	-	3,3	-	3,0	-	0,1 C
Yellow	2,7	100,0	-	-	-	-	-	-	0,6 C
Cyan	-	-	-	-	-	-	-	-	0,9 C
Black	25,0	-	36,0	100,0	-	-	-	-	0,0 C
PANTONE 130 C	-	-	-	-	99,2	-	-	-	0,0 C
PANTONE 7546 C	-	-	-	-	-	-	-	100,0	0,3 C
Cut	-	-	-	-	-	-	-	-	-
Dimensions and text	-	-	-	-	-	-	-	-	-

Close Convert

Set individual target densities to 0%, 100% or **reset** to GMG calculated values

Conversion Method: Convert with GMG OpenColor Project

Flatten objects before conversion

Source: ISO Coated v2 (39L) - PANTONE® Solid Coated V4

Destination: Esko Demo Flexo Printer MYCK 45Spots

Separation Rule: ISO Coated v2 (39L) - PANTONE® Solid Coated V4 to Esko Demo Flexo Printer MYCK 45Spots V6

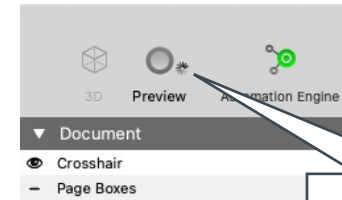
Name	Magenta	Yellow	Cyan	Black	PANTO_130 C	PANT_95 C	PANT_83 C	PANT_46 C	AE 2000
My White	100,0	-	10,9	-	0,0	15,9	-	-	1,9 C
Magenta	-	100,0	2,0	-	0,0	-	-	-	0,3 C
Yellow	3,7	100,0	-	-	-	-	-	-	0,6 C
Cyan	2,7	-	100,0	3,8	0,0	-	-	-	0,0 C
Black	-	-	-	89,3	82,0	0,0	68,5	-	0,0 C
PANTONE 130 C	39,3	100,0	-	-	0,0	-	-	-	2,0 C
PANTONE 7546 C	33,1	-	70,0	79,8	0,0	-	-	-	0,0 C
Cut	-	-	-	-	-	-	-	-	-
Dimensions and text	-	-	-	-	-	-	-	-	-

Close Convert

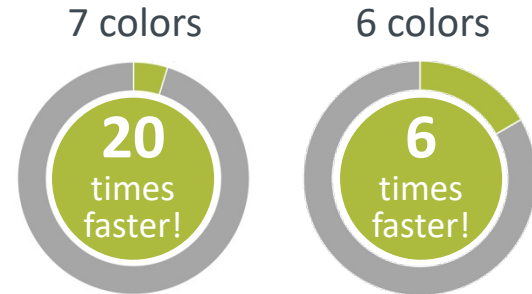
Click the target separation to **remove** it from the output or **reset** to GMG calculated values

Optimized Profile Calculation

- Computing a multichannel colorprofile can take a while
So, when asking for a preview profile for a new print condition GMG OpenColor will generate it on-demand and it can take some minutes for it to finish the calculation
- To reduce waiting time in ArtPro+ the GMG Connector is now supporting GMG's optimised profile algorithm
 - As an example for the improvement:
A 7-color preview profile that took 20 minutes to generate is now ready for use in about one minute!



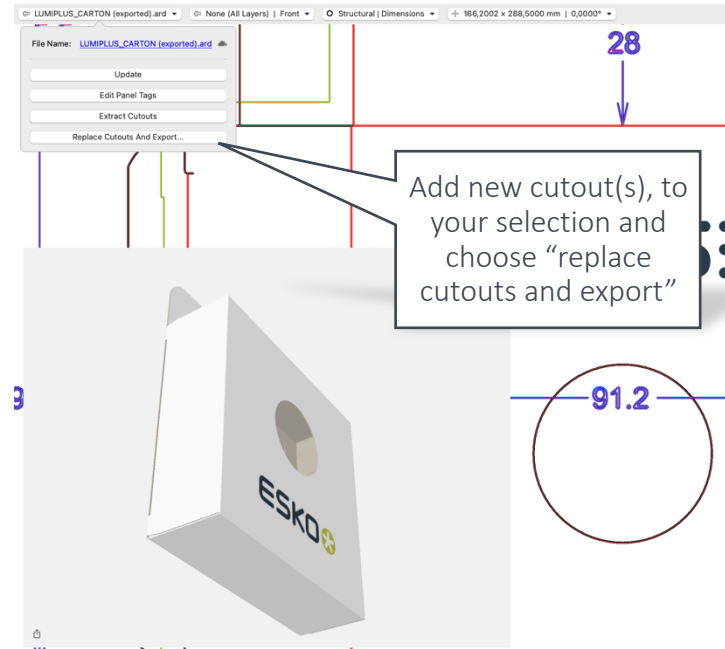
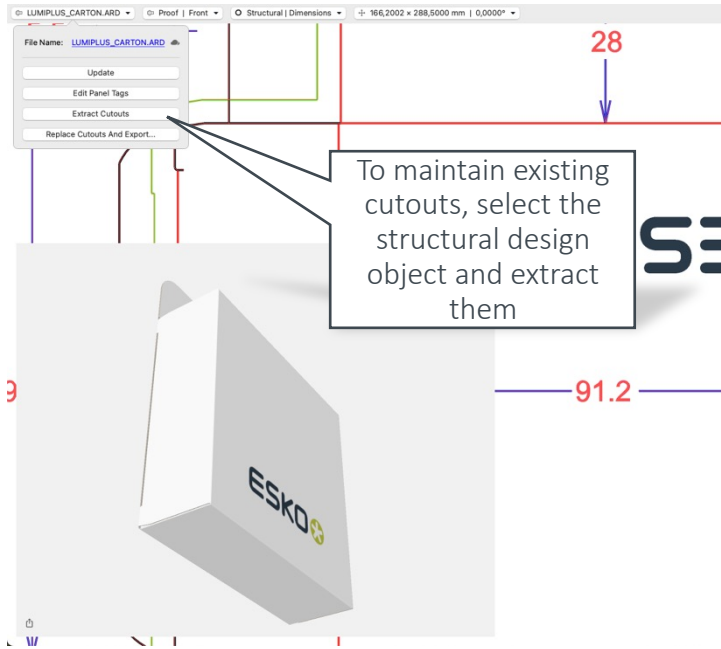
ArtPro+ indicating the request for a new GMG preview profile



Adding Cutout Information to Structural Designs

Adding Cutouts to Structural Designs

- To provide cutting information back to the structural designer, ArtPro+ offers the ability to add cutting paths and export the result to native ARD files



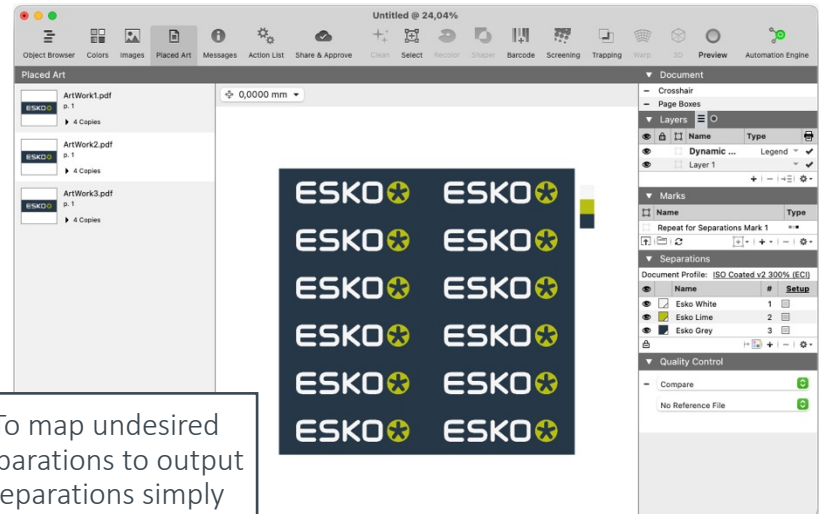
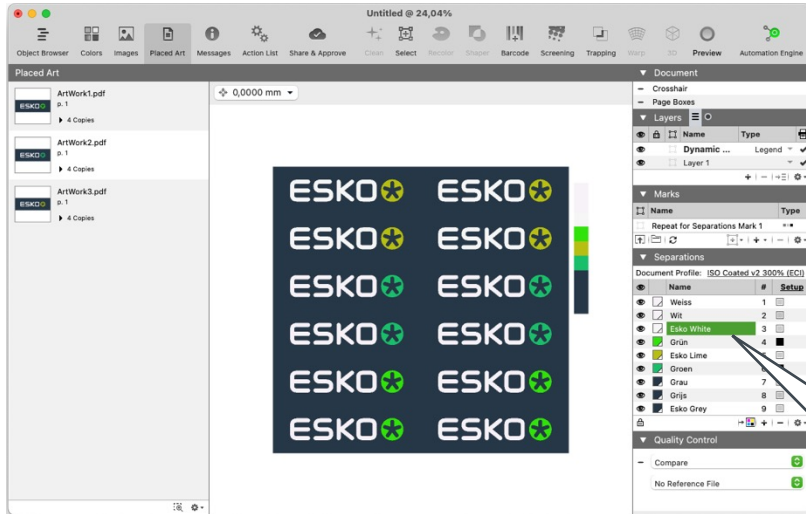
Channel Mapping Placed Art

Channel Mapping Placed Art

- Ink names and properties of the printing layout may vary from the information of the 1Up (placed art) file
- With Channel Mapping in ArtPro+ you can map any ink of the placed art to a desired output ink of the layout file



Channel Mapping Placed Art



To map undesired separations to output separations simply drag n' drop while holding SHIFT key

Smart Snapping for Easy Alignment

Fast but precise placement of objects

Drag. Snap. Good.

- The new snapping feature inside the transformation tool makes precise positioning of objects ... em, very fast

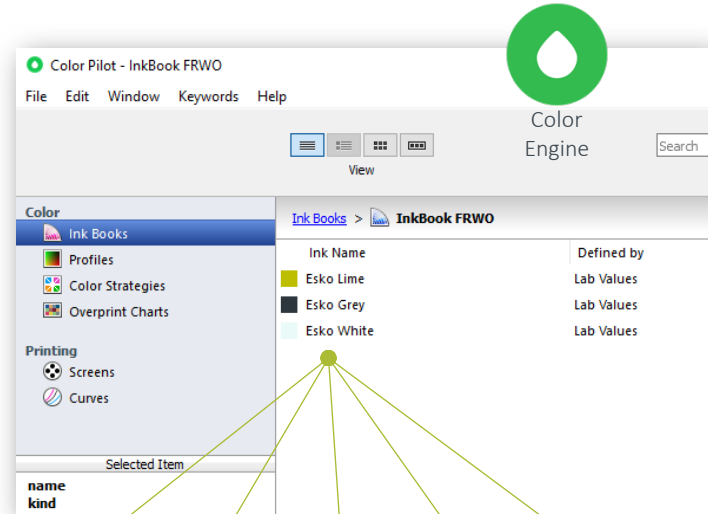
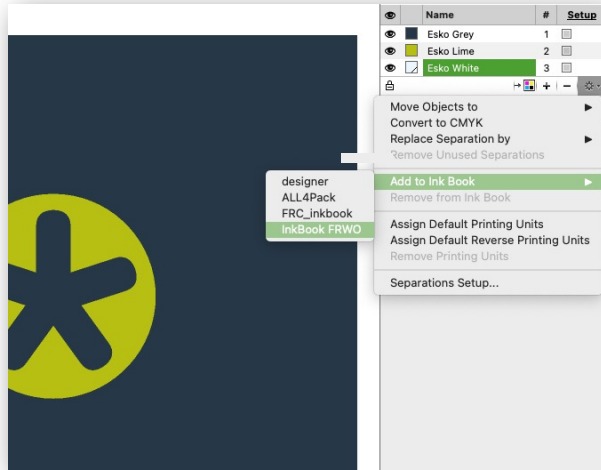


Share Inks

Add inks to centralized ink books

Adding Inks to Centralized Ink Books

- When connected to a shared Esko Color Database you can add and remove inks from centralized ink books from within ArtPro+



ArtPro+



ArtPro+



Automation
Engine



DeskPack



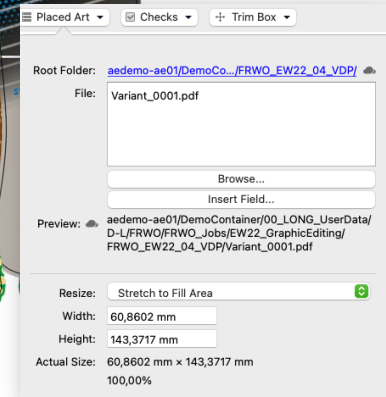
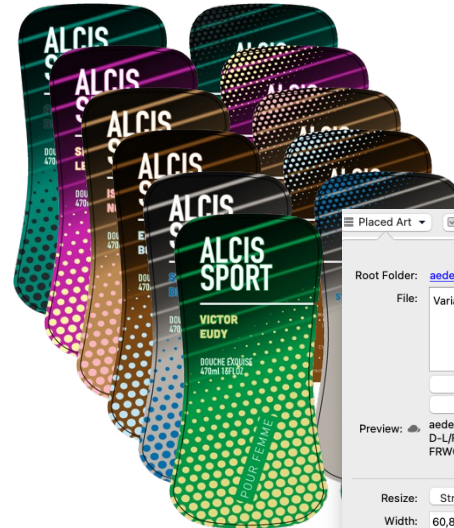
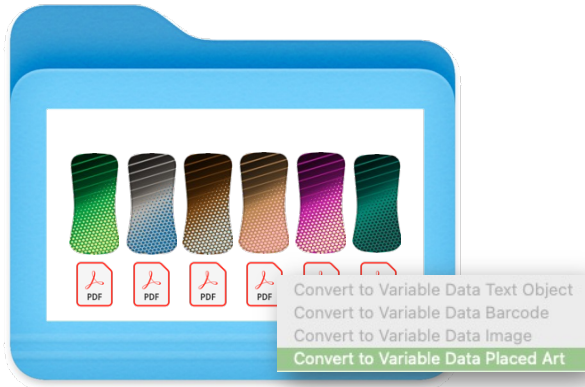
DeskPack

Creative VDP

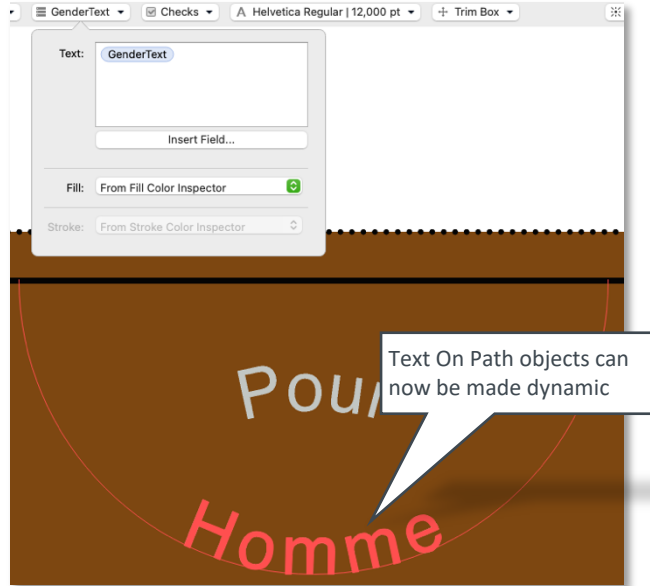
Support for Placed Art

VDP: Placed Art Becomes Dynamic

- External PDF designs can now be used for variable content








VDP: Variable Text On Path



VDP: More Variable Data Printing

- More Barcodes
 - Now all supported ArtPro+ barcodes can be made dynamic in a VDP template
- More Control:
 - You can “remove empty lines” from the database

Problems to Detect	Type	Fix Automatically
<input checked="" type="checkbox"/> Object is outside trim box Safe Margin: <input type="text" value="0,0000 mm"/>	 ▾	
<input checked="" type="checkbox"/> Text is empty <input type="checkbox"/> Whitespace characters count as empty	 ▾	<input type="button" value="Clear Object"/> 
<input checked="" type="checkbox"/> Text line is empty <input type="checkbox"/> Whitespace characters count as empty	 ▾	<input type="button" value="Remove Line"/> 

SmartID

The “Good-To-Print” Fingerprint

SmartID in Reports



SmartID

- SmartID is a unique identification number for PDF assets in an Esko environment indicating whether the content is unchanged

Use the SmartID variable to show it on the proof (report).

Details:
Software: ArtPro+ 23.03
Last modified: 15.02.2023

SmartID: 1bs8svd

Info file://aedemo-ae01/DemoContainer/00_LONG_UserData/D-L/FRWO/FRWO_Jobs/EW22_Grap...

URL: file://aedemo-ae01/DemoContainer/00_LONG_UserData/...
Size: 1,209,778 bytes (1.2 MB)
Type: PDF Files (v1.5)
Created: Thursday, May 12, 2022 5:07:16 AM CET
Modified: Wednesday, February 15, 2023 10:16:16 AM CET
Creator: Esko DeskPack NDL 22.07 BE
Owner: Administrators

Metadata Modified: Wednesday, February 15, 2023 10:16:16 AM CET
SmartID: 1bs8svd

You can calculate the SmartID in Automation Engine File Info dialogue

```
<DPartRoot xmlns:cip4="http://www.CIP4.org/JDFSchemata_2_0">  
  <DPart DParts="0003" ID="0002" ParentRef="0001">  
    <DPM>  
      <cip4:Root>  
        <cip4:Production>  
          <cip4:Resource>  
            <cip4:RunList cip4:NPage="1">  
              <cip4:FileSpec URL="file://aedemo-ae01/DemoContainer/00_LONG_UserData/D-L/FRWO/FRWO_Jobs/EW22_Grap.../Units/BOTTLE_FRONT.pdf" eg:SmartID="1bs8svd"/>  
            </cip4:RunList>  
          </cip4:Resource>  
        </cip4:Production>  
      <cip4:Metadata cip4:DescriptiveName="FRWO_EW22_Printing Un...>  
    </DPart>  
  </DPM>  
</DPartRoot>
```

Retrieve SmartID with the "Export PDF Information" ticket

Output Parameters in Text Mark

More flexibility when converting colors

Marks: Output Parameters in Text Mark

- To include parameters that are applied in the Imaging Engine ripping process, you can now insert “Output Parameters” into Text Marks.

The screenshot displays a software interface for configuring text marks. On the left, a sidebar titled 'Variables' contains a search bar and a tree view of categories. The 'Output Parameters' category is highlighted in green. Below the sidebar, a section titled 'Output Parameters' explains that these variables provide information about the Imaging Engine task and their values are filled in during the imaging process. On the right, a configuration panel includes fields for 'Units', 'Format' (set to 'Custom'), a large text input area, a 'Repeat format for all items' checkbox, a 'Separator' dropdown (set to 'Comma'), and a 'Preview' field. A callout box points to the 'Preview' field with the text: 'Final values are determined when sending the files through the Imaging Engine task!'

Output Parameters

The variables in this category provide information about Imaging Engine task parameters. The resulting values will not be previewed as they will be filled by Imaging Engine while imaging.

Custom Variables in Marks

Offline connection to your MIS

Marks: Load Custom Variables from MIS

- You can now add variables to Dynamic Marks from an external CSV file that contains key-value pairs. Using one of the keys from the loaded database will resolve into the corresponding value on the document.

Name	Type
Point Text Mark 3	T
Point Text Mark 2	T
Point Text Mark 1	T

You can load a CSV Database from the Actions wheel

Variables

Database: DT0270-01.csv

System Information

Server

File Information

Global

Job Barcodes

Job Information

Job Parameters

Miscellaneous

Output Parameters

Path Information

Product Information

Product Parameters

Workflow Parameters

DFE

DFE Color

DFE Document

Database

Custom Variables

Custom Variables

This category contains custom variables loaded from a database file. To load variables from a new database file, go to the Marks panel on the right-hand side, then from the action wheel menu, select "Load Custom Variables Database...". Only one database can be used per document. The database file should contain 2 columns or 2 rows, representing a list of variable-value pairs. When used in the document, each variable evaluates to their corresponding value. No live link to the database is kept. Values will only be updated when loading a new database file which contains the same variable.

Units: [dropdown]

Format: [dropdown]

Separator: Comma

Preview: BOX

Repeat format for all items [checkbox]

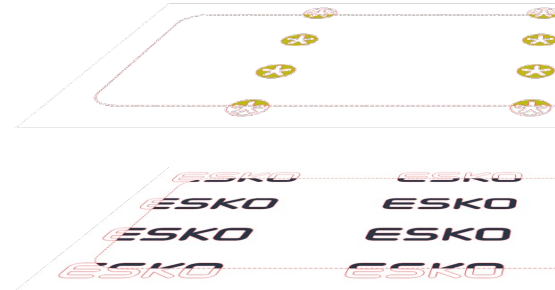
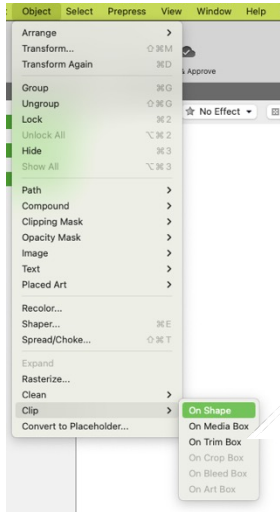
Receive Job information from your MIS system for use in Text Marks on reports.

Cancel Insert

Clip on Shape

Clip on Shape

- Whereas “clip” will merge all selected objects into one group, the “Clip on Shape” will introduce clipping paths per layer and not merge objects to the top



Barcodes And More

Additional Barcode Functionality

- ArtPro+ will now recognize
 - Code 93
 - GS1 DataBar Expanded
 - GS1 DataBar Expanded Stacked
 - GS1 DataBar Omnidirectional
 - GS1 DataBar Stacked Omnidirectional
 - GS1 DataBar Stacked
 - Micro QR

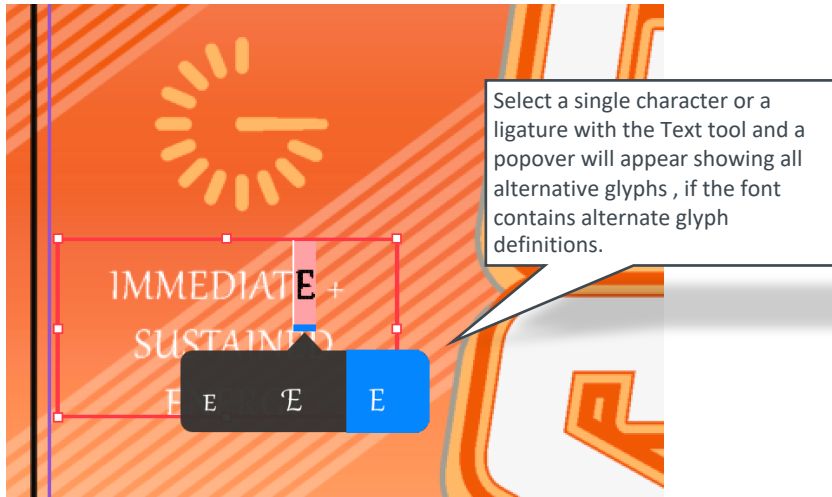
Additional Barcode Functionality

- You can now create GS1 DataBar Truncated codes
- The Automation Job Setup can now drive EAN-13 Swissmedic codes
- There is now a mechanism in place to fallback from Product Part to Job Setup when getting properties from Server. The Product Part still has priority over the Job parameters
- ArtPro+ has synced with the changed barcode parameters in the Automation Engine Job Setup

Insert Alternative Glyphs

Alternative glyphs

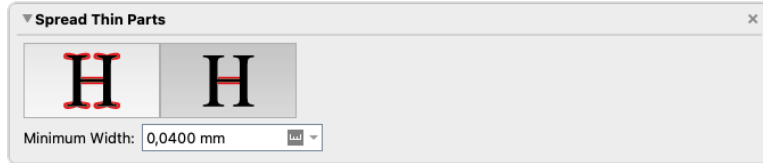
- The ability to insert an alternate glyph from the font set has now been added



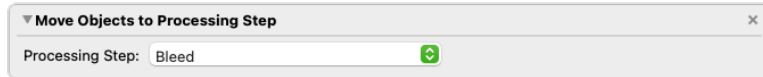
More Power for PDF Action Lists

New Actions

- Spread Thin parts



- Move Objects to Processing Step Layer



- Update Trap layer

Actions List Improvements

- It is now possible to edit actions during Step Through mode

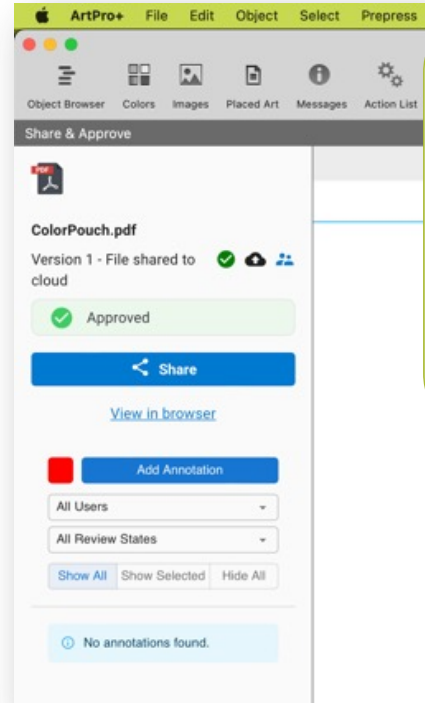


Share & Approve

Pre-Release

Share & Approve in ArtPro+

- You can now seamlessly connect your prepress to your customers via a complimentary gateway to Esko Share & Approve
- From within ArtPro+ you can quickly and easily view and review your files;
 1. Upload PDF files to share with colleagues and customers
 2. Create and review annotations made by others
 3. Start approval cycles



Prerelease

If you would like to join our prerelease program please don't hesitate to contact us

ESKO*