

ArtPro+ 18.1

What's New

Jump to

[“ArtPro+ 18.1.1 What’s new” section](#)

[“ArtPro+ 18.1.2 What’s new” section](#)

[“ArtPro+ 18.1.3 What’s new” section](#)

Frank Woltering

Product Manager PDF Editors

April 2019

CF2 support

- You can now also use the common CF2 CAD format for one-up preparation and sheet layout in ArtPro+
- Similar to ARD, one-up CF2 files can be opened and placed with an ArtPro+ Essentials license
- Similar to MFG, an ArtPro+ Advanced license is required to open layout CF2 files, replace stations and adjust bleeds

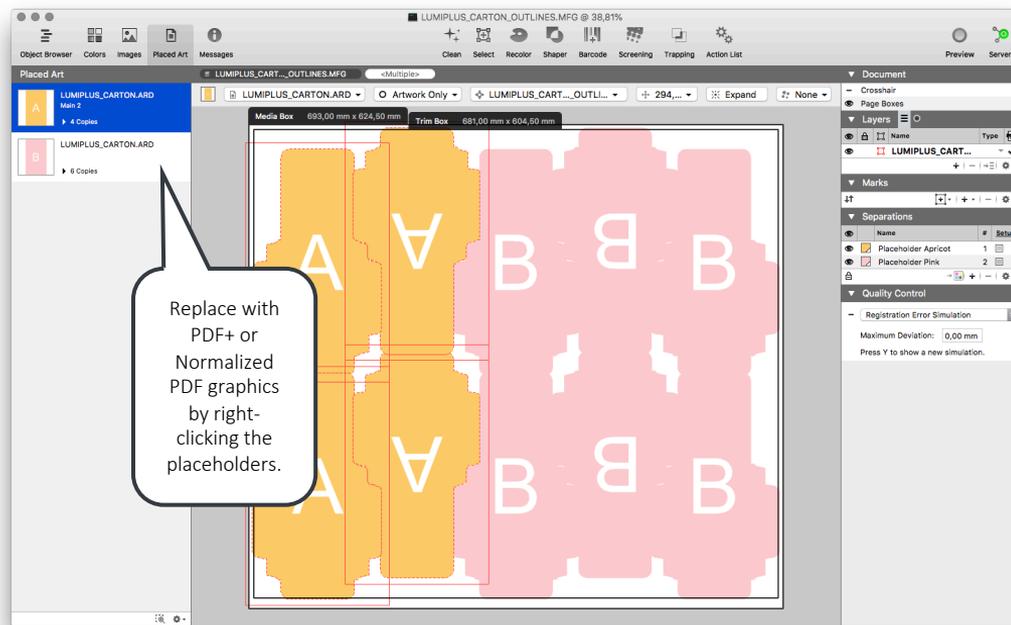
One-up CF2 support

- Opening or placing a one-up CF2 file is very similar to opening or placing an ARD file (ArtiosCAD)
- The CF2 file is placed in a separate "Structural Design" layer
- The separations present in the file will be shown as a Processing Step colorant (Crease, Cut, Dimensions and Text,...). Unsupported line types will be mapped to 'Annotation'
- The same inspectors as for ARD files are present for CF2 files
- In the Structural Design inspector the Print Item will always be 'None' since Print Items do not exist in CF2

Layout CF2 support

- It is now possible to open layout CF2 files and produce folding carton layouts with the ArtPro+ Advanced Edition
- The behavior is similar to the MFG based flow

The Placed Art drawer lists all the placeholders -one per CF2

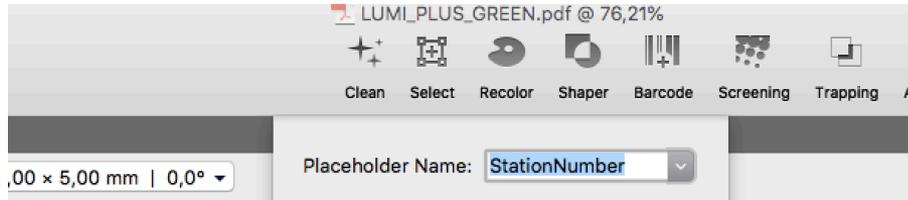


Layout CF2 support

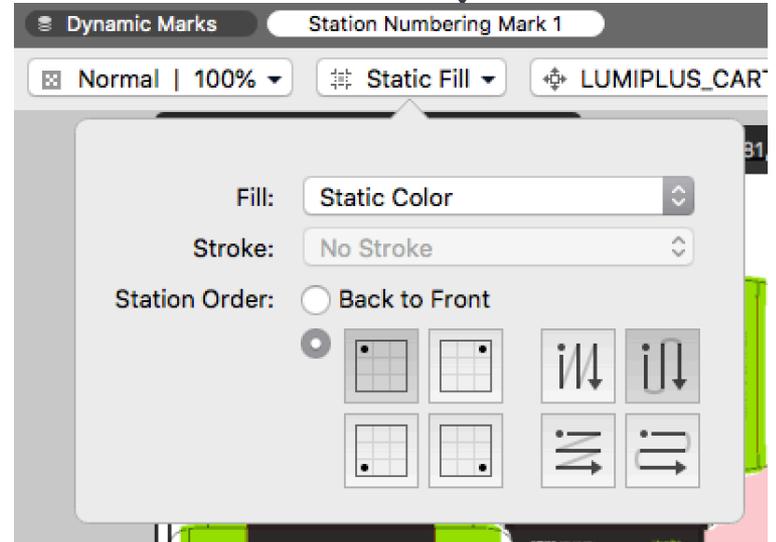
- You can define and apply station numbers to your layout CF2

Advanced Edition

Add a Station Numbering Mark and define the start point and direction.

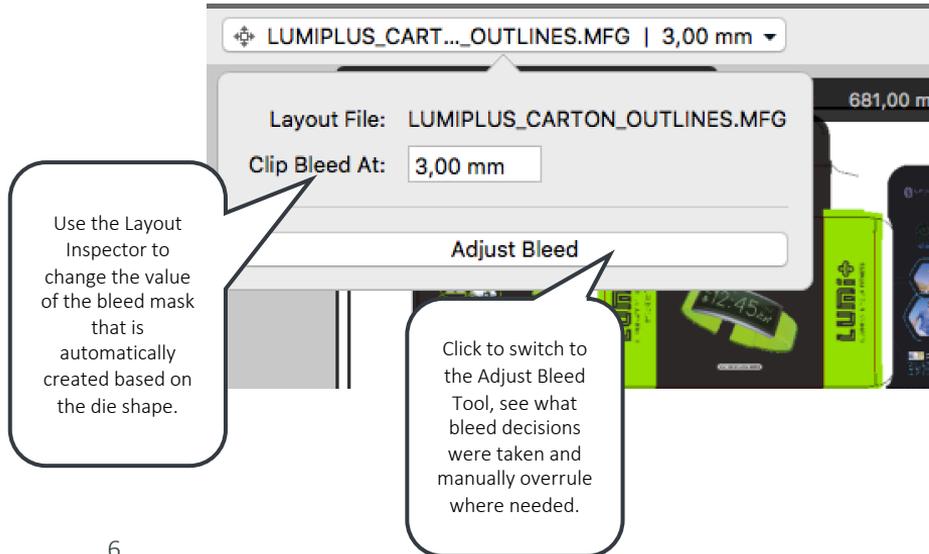


Convert an object in your 1up file to a StationNumber placeholder via Object menu, "Convert to Placeholder...".



Layout CF2 support

- When opening a layout CF2 file, bleed masks are automatically generated and an overlap decision is made for the touching panels
- This can be manually overruled with the “Adjust Bleed” tool, similar to working with MFG files



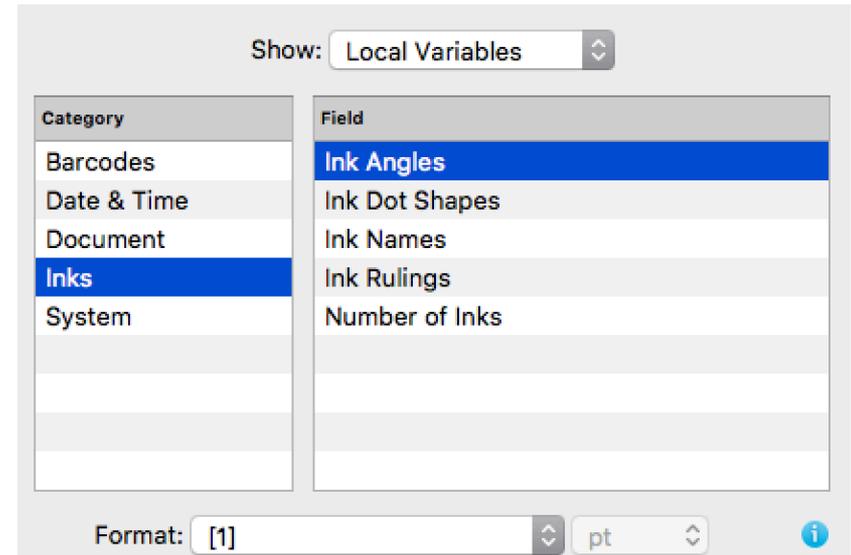
Dynamic Marks – Repeat for Separations Mark

- With the new Repeat for Separations Mark you can create a repetition of the selected objects in all (or a subset of) the separations of the job
- The Repeat for Separations Mark can contain artwork objects but also Text Marks and Custom Marks, unlike the existing Repeating Mark
- You can e.g. create a square and a text mark in the first separation and repeat them for all artwork separations
- Note: In the next release, the remaining functionality of the Repeating Mark to place multiple copies of the mark, will be ported to a new Repeat by Count Mark. The repeating Mark will then get removed



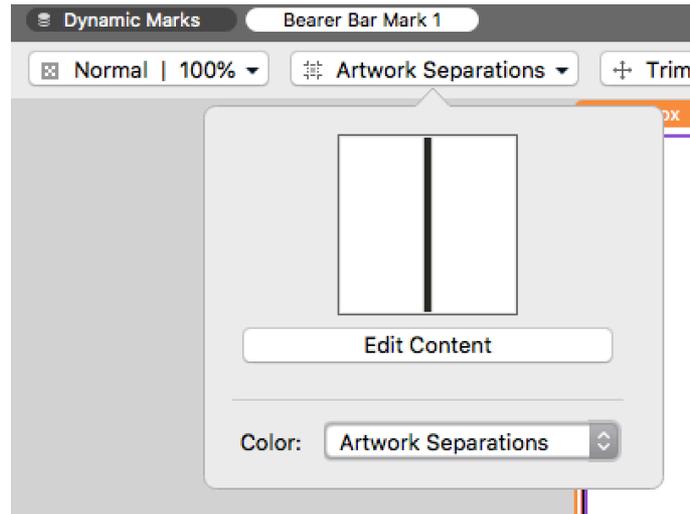
Dynamic Marks – New smart text variables

- When creating a Text Mark, you can insert Smart Text
- In the inks category of the local variables, 3 new variables are available:
 - Ink Angles
 - Ink Dot Shapes
 - Ink Rulings



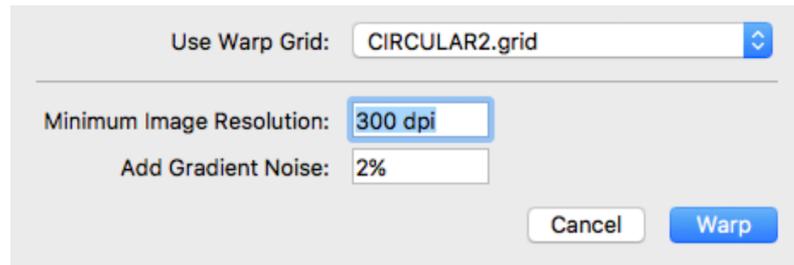
Dynamic Marks – Preview in Mark inspector

- The mark inspector now shows a preview of the source content, the original object(s) that was used to create the mark
- Click on Edit Content to make changes to the content of the mark



Warp using legacy grid files

- You can now warp graphics using existing ArtPro GRID files or PackEdge GRD files
 - Choose Prepress > Warp > Place Warp Grid... or File > Place and navigate to the .grid or .grd file you want to place
 - The warp grid object is placed in a new layer called 'Warp Grid'
 - The grid is positioned centered on the Trim Box, showing the outer lines of the source grid
 - You can move the grid using the transform tools
 - Select the objects you want to warp
 - Click the Warp button in the upper toolbar and define the settings to warp



Warp using legacy grid files

- After warping you get Warped Art, now the destination grid is shown
- If you select a warped object, you can click unwarped to revert it to its unwarped version



New PDF Action Lists

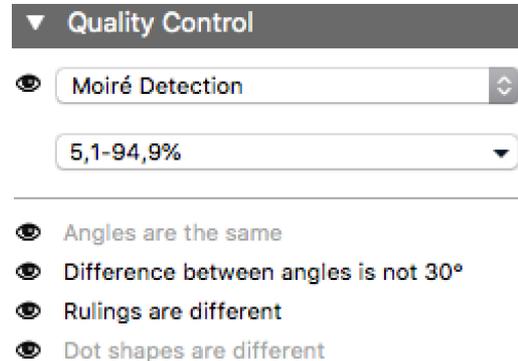
Following PDF Actions have been added in this release:

- Update Barcode
- Update Linked Image
- Update Placed Art
- Update Mark
- Reorder Layers
- Convert to CMYK
- Set Stroke Overprint
- Set Stroke Width

A full list of PDF Actions that are available in this release can be found [here](#)

Moiré Detection

- This new quality control tool allows to detect potential screening problems
- Enable Moiré Detection to highlight areas with potential screening conflicts or without screening
- Several moiré generating conditions are checked, the ones that do not apply on the file are greyed out
- You can manually toggle each condition on and off to only look at specific conditions
- Only visible objects and separations are taken into account



The screenshot shows a software interface for Quality Control. At the top, there is a dark grey header with a downward arrow and the text "Quality Control". Below this, there is a section for "Moiré Detection" which includes a toggle switch (currently on) and a dropdown menu showing "5,1-94,9%". Below a horizontal line, there are four conditions, each with a toggle switch:

- Angles are the same
- Difference between angles is not 30°
- Rulings are different
- Dot shapes are different

Rich Black

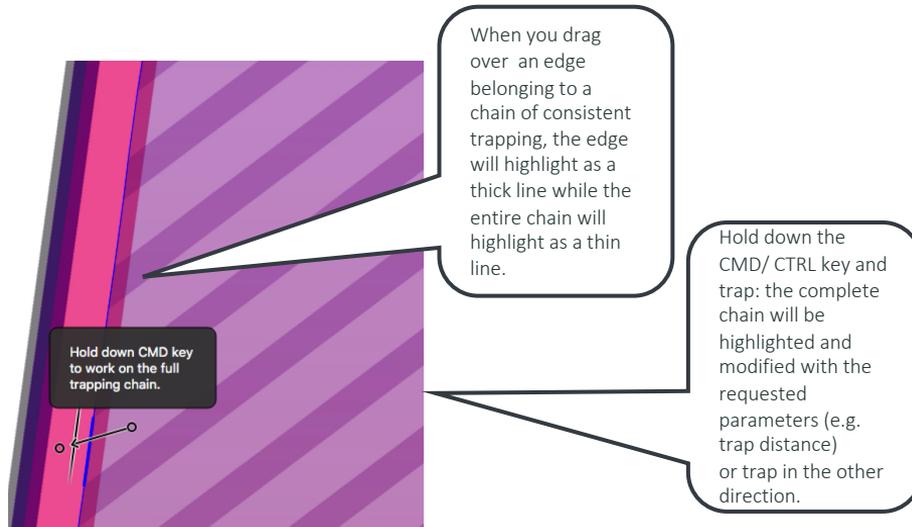
- Produce a darker black by overprinting selected black areas with the color you specify
 - Make a selection of objects to apply Rich Black to
 - Click on menu Prepress > Rich Black
 - Select the separation you want to enrich
 - Specify the ink or mix of inks you want to add
 - Enable 'Only create Rich Black if no other separations are present' to exclude objects that are not pure
 - The rich black objects are created in a separate Rich Black layer, using the defined color in Darken blend mode

The screenshot shows a dialog box for configuring Rich Black. It includes a dropdown menu for 'Enrich Separation' set to 'Black', a 'Minimum Density' field set to '65%', and a 'Choke Distance' field set to '0,20 mm'. A 'With Color' section contains a table with color swatches and percentage values for Cyan (80,00), Magenta (0), Yellow (0), and Black (0). There are also 'Corners' options with icons for rounded and beveled corners. A checkbox at the bottom is checked, labeled 'Only create Rich Black if no other separations are present'. 'Close' and 'Create' buttons are at the bottom right.

Color	Percentage	Name
Cyan	80,00	Cyan
Magenta	0	Magenta
Yellow	0	Yellow
Black	0	Black

Trapping improvements

- When you enter Trapping mode with Trapping Suggestion enabled, since version 18.0.1, the trap direction has become more consistent; there is less disruptive trap direction switching
- As of version 18.1, when you want to modify the entire trap chain in one go, this is possible in the Trap mode



Trapping improvements

- Using the 'Trap Processing Steps' option you can choose if Processing Steps should be included in the Trapping Suggestions or not
- When the option is disabled, all Processing Steps are hidden in the Trap mode and will not be taken into account for trapping
- Since Processing Steps are not available in Normalized PDF, this option is only visible when working with a PDF+ file

Start with a Trapping Suggestion

Trapping Distance: Truncate: Joins: End Caps: Image Traps:

Pullback

Trap Processing Steps

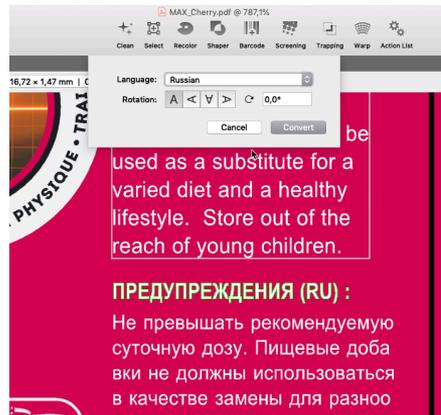
Close gaps smaller than: ⓘ Gaps will be closed if value is set higher than 0. The lower the value, the faster the job will be prepared for trapping. Only the currently visible objects and layers will be taken into Trapping mode.

Convert to PDF+

- You can now convert a Normalized PDF file to a PDF+, allowing you to e.g. apply PDF+ marks to your file
- When your current document is a Normalized PDF file you can use File > Convert to PDF+ to convert your document
- Several changes are made to the document during conversion (see documentation for details)
- The Convert action is undoable during the session. Once you save, you can't go back

Text Recognition

- With the 'Convert Outlines to Text' function, outlined text can be converted to live text
- The following additional languages can now be recognized from this version onwards:
Danish, Finnish, Norwegian, Swedish, Greek (Modern), Hungarian, Polish, Portuguese, Russian and Turkish.



Magnetic measuring

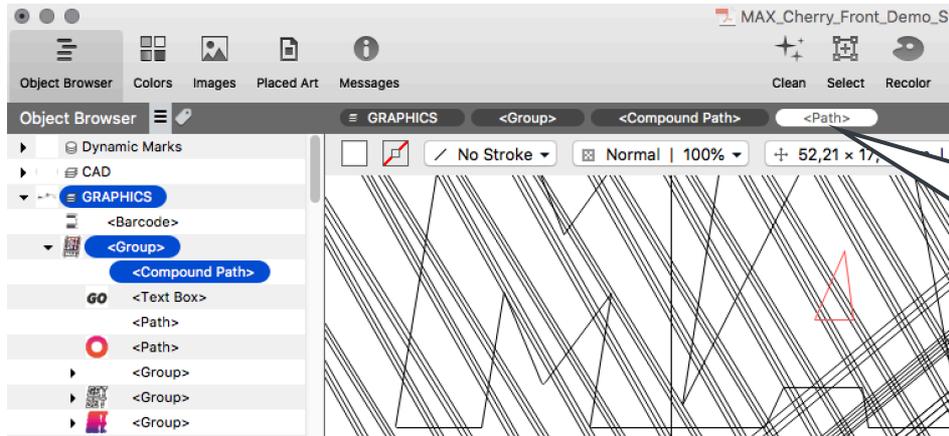
- The Dimensions Tool (shortcut D) is now magnetic to measure more accurately
- It snaps from and to any point you may want to measure between, no selection is required
- To disable this magnetism, toggle off the “Snap” option (shortcut N while the Dimensions tool is active)





Path Select tool: Transform support

- With the existing Path Select tool, it was already possible to select and delete paths inside a compound
- Now it is also possible to first select paths of a compound and then switch to the Transform Tool to move, rotate, scale or snap to the crosshair



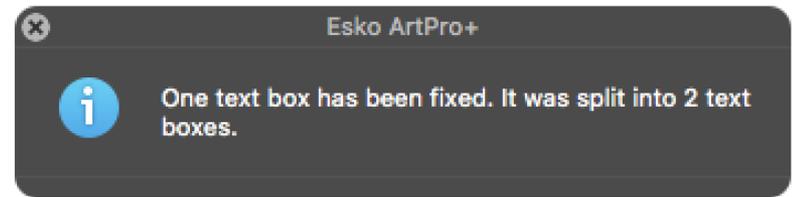
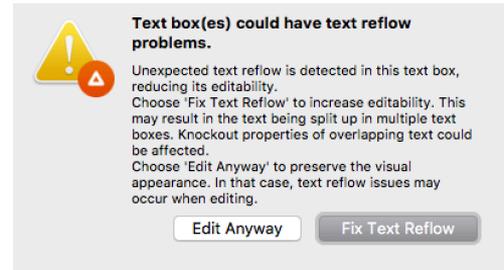
Selection is correctly reflected in the Breadcrumbs and Object Browser.

Clip on Page Boxes

- You can now clip the contents of a file to the size of a chosen page box
- Make a selection and open menu Object, choose Clip. All defined page boxes are enabled
- After clipping, a clipping mask is created with the size of the chosen page box. Any data outside is clipped away, the objects remain unchanged however

Fix Text Box Reflow

- The Split Erratic Text Boxes option in Clean has been renamed to 'Fix Text Box Reflow'
- This feature has been optimized so it can, under certain circumstances, keep text together in a text box, with higher editability than before



ArtPro Quick Look

- The ArtPro+ installer on Mac now includes a Quick Look for ArtPro files
- Installing this plugin ensures that a preview is available in Finder for ArtPro files generated with separated preview in ArtPro 18

ArtPro+ 18.1.1

What's New

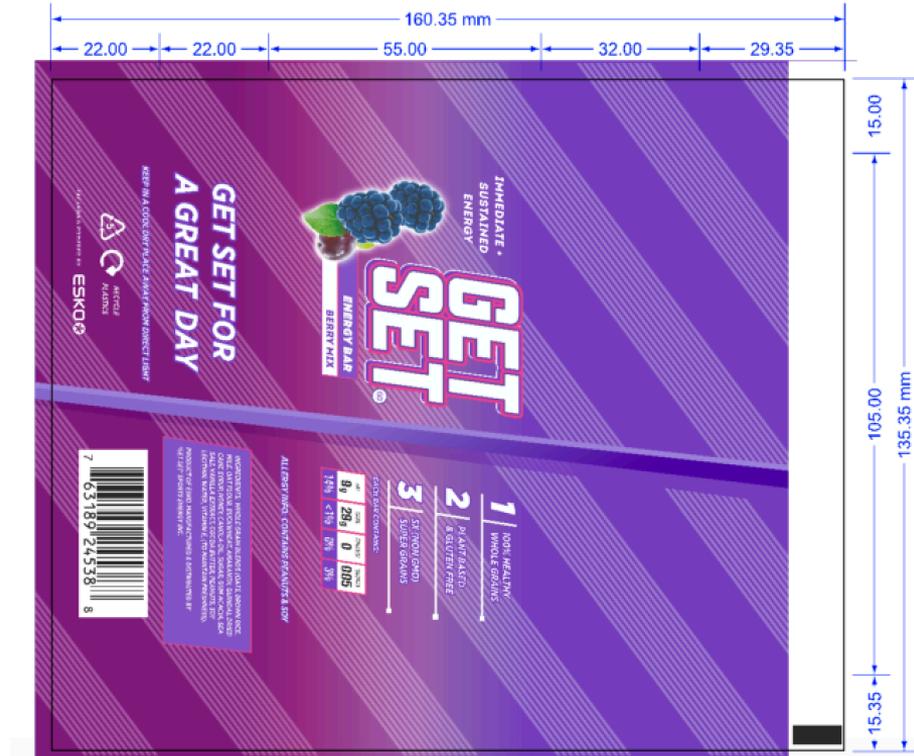
Frank Woltering

Product Manager PDF Editors

July 2019

Add Dimensions

- Using the 'Add Dimensions' function from the Prepress menu, you can add dimension lines to your files
- Dimension lines can be added to any of the available page boxes, to a selection or in columns and rows to create subdivisions
- Dimension parameters can be changed for each individual dimension until the file is saved

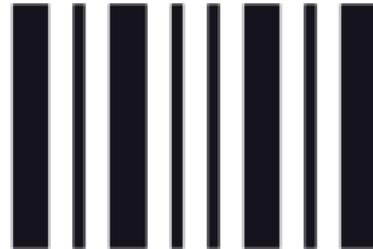


Barcode Recognition

- You can now convert outlined barcodes or images of barcodes from any source to editable barcodes
 - › Select an outlined barcode and click 'Convert to Barcode' from the Prepress menu
 - › TIP: Make your selection as precise as possible. Anything not recognized as barcode, is removed after conversion
 - › Check the User Guide for an overview of supported barcodes
- Differences between the recognized barcode and the original outlines are detected, allowing you to make corrections where needed

SICK barcode

- We now support creation of SICK barcodes
- You can use binary or decimal input for this barcode type



Dynamic Marks - Area Text Mark

- An Area Text Mark is a new Dynamic Text Mark that allows you to position text within the boundaries of a text box
 - Select a Text Box and in the Marks panel, choose 'Create Area Text Mark from Selection'
 - TIP: You can resize the Text Box by using the Text Tool or Transform Tool
 - Using the Fit Text option, you can choose to either 'Wrap lines then shrink' or to 'Shrink lines then wrap', determining whether text will first be wrapped or shrunk when it grows
- Note: The previously called 'Text Mark' has been renamed to Point Text Mark but still behaves the same

Dynamic Marks – New smart text variables (1)

- When creating a Text Mark, you can insert Smart Text
- In the Separations category of the local variables, the following new variables are available:
 - Abbreviated Separation Names
 - Ink Books
 - Ink Coverage
 - Separation Indices
 - Separation Printing Methods
 - Short Separation Names
- You can now choose whether you want the smart text to be resolved for All Separations, Artwork Separations, Processing Step Separations, Artwork Separations and Varnish or Custom defined rules based on Printing Method or Processing Steps

Show: Local Variables

Category	Field
Barcodes	Abbreviated Separation Names
Date & Time	Ink Books
Document	Ink Coverage
Links	Number of Separations
Page	Separation Angles
Separations	Separation Dot Shapes
System	Separation Indices
	Separation Names
	Separation Printing Methods
	Separation Rulings
	Short Separation Names

Use: Artwork Separations

Area: Trim Box

Format: [1]

[1]

Repeat format for all items

Separator: Comma

Preview: K

Cancel Insert

Dynamic Marks – New smart text variables (2)

- In the Document category of the local variables, the following new variable is available:
 - Font Names
- All Page box related variables have been moved to a new category named 'Page'
- A new category 'Links' is available containing the new variable 'Structural Design Files'
- For the server variables, a new category 'Misc' is available containing the new variable 'Server'

The screenshot shows the 'Dynamic Marks' dialog box with the 'Show:' dropdown set to 'Local Variables'. The 'Category' list on the left includes Barcodes, Date & Time, Document (selected), Links, Page, Separations, and System. The 'Field' list on the right includes Author, Color Profile, File Name, Font Names (selected), Layer Names, and Title. Below the lists, the 'Format:' field is set to '[1]' with a unit of 'pt'. A checkbox for 'Repeat format for all items' is checked. The 'Separator:' dropdown is set to 'Comma'. A preview area shows the text: 'GothamNarrow-LightItalic,GothamNarrow-Medium,GothamNarrow-MediumItalic,GothamNarrow-Ultralitic,Helvetica,Helvetica-Bold,HelveticaNeue-Thin,IntroBlack,IntroBlackItalic'. At the bottom are 'Cancel' and 'Insert' buttons.

Dynamic Marks – New smart text variables (3)

- A new Smart Text variable “Ink Coverage” is now available
- The Trim Box or Bleed Box can be selected as the area on which the ink coverage will be calculated
- The Ink Coverage will be displayed in the chosen format of square units or percentage

Note: This specific variable is not updated live after an edit to the artwork. The Ink Coverage will be recalculated upon saving or when you press the new ‘Update Out-Of-Sync Smart Text Variables’ button in the Marks section

Dynamic Marks - Repeat by Count Mark (1)

- A Repeat by Count Mark is a new Dynamic Mark that is a repetition of the shapes of the selected objects by a specific count, or that repeats these shapes to fit the size of the page box that the Mark is attached to
- The Repeat by Count Mark can contain Text Marks, Custom Marks and Repeat for Separations Marks
- By default, the Repeat by Count Mark is attached to the Trim Box. Depending on the width of the Trim Box, the sequence is repeated a number of times

Note: The Repeating Mark that was available until version 18.1 has now been removed. It can be completely replaced by the Repeat for Separations Mark or the Repeat by Count Mark containing a Repeat for Separations Mark.

Dynamic Marks - Repeat by Count Mark (2)

Repeat to Fill | Trim Box | Expand | None

Edit Content

Loops: 1 Fill Width Allow partial mark

Repeat Direction:

1	2
---	---

Dynamic Marks - Clip Mark

- A Clip mark is a new Dynamic Mark that has been added for the specific use case of clipping e.g. square patches of a specific size to a Page Box to end with a full patch for correct measuring
- To create the clip mark, start from a selection containing the color blocks

The screenshot shows the 'Dynamic Marks' interface for a 'Clip Mark 1'. The settings panel includes:

- Fill: Dynamic Color (Using separations: #1, #2, #3, #4, Registration Color)
- Use: All Separations
- Stroke: No Stroke
- Step Size: 4,00 mm
- Center: [Center button]
- End Steps: Remove

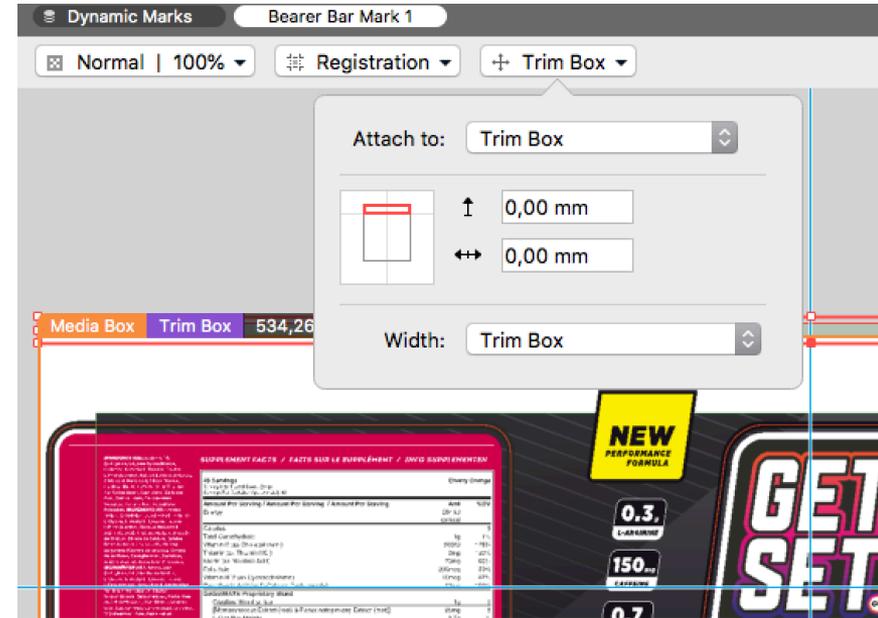
The visual representation shows a sequence of color blocks: blue (2 steps), magenta (3 steps), yellow (100%), and registration marks (80% and 40%). A large red '33' is overlaid on the yellow block. A red dashed box highlights the yellow block and the registration marks.

Callout boxes provide additional instructions:

- Enable the 1st Center button if the mark contains an even number of steps, so the center is located between 2 blocks. Otherwise use the 2nd Center button.
- As Step Size, enter the specific size of one color block.
- With the End Steps setting you can control if partial blocks on the outer sides should be added or removed.

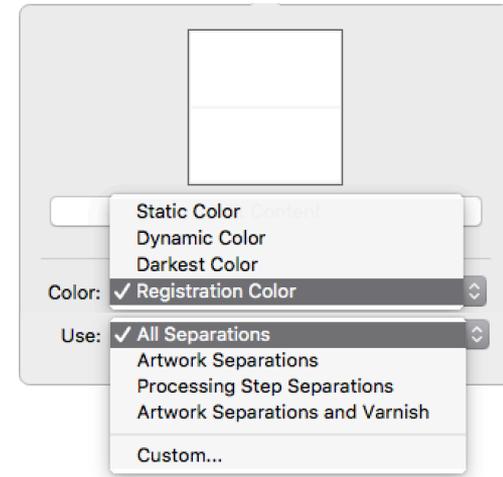
Dynamic Marks – Horizontal Bearer Bar Mark

- The Bearer Bar Mark can now get attached to all 4 sides of the reference object



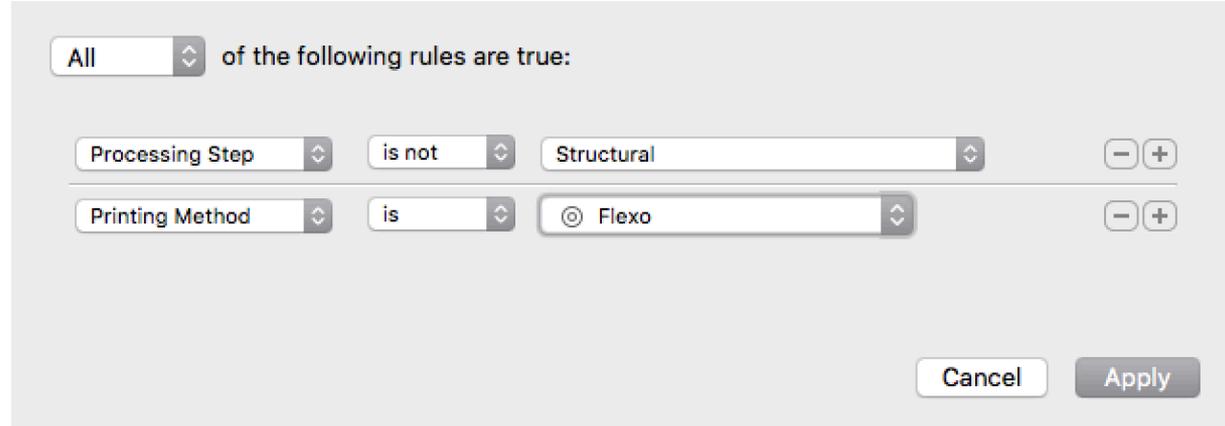
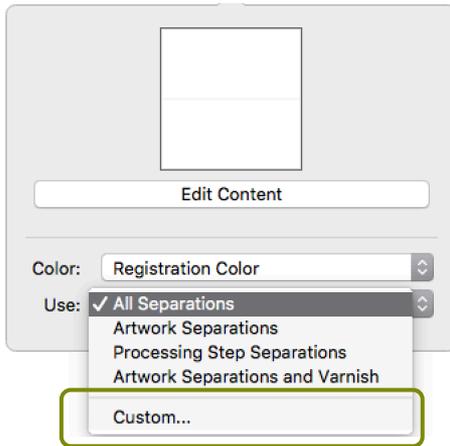
Dynamic Marks – More color options (1)

- More color options have been added to nearly all Dynamic Marks
- In the Mark inspector, the setting ‘Color’ now offers all 4 options: Static, Dynamic, Darkest and Registration Color
- In case Color is not set to Static, an extra ‘Use’ setting is available where applicable
- It allows to filter the separations: on All Separations, Artwork Separations, Processing Step Separations, Artwork Separations and Varnish or by using a custom filter



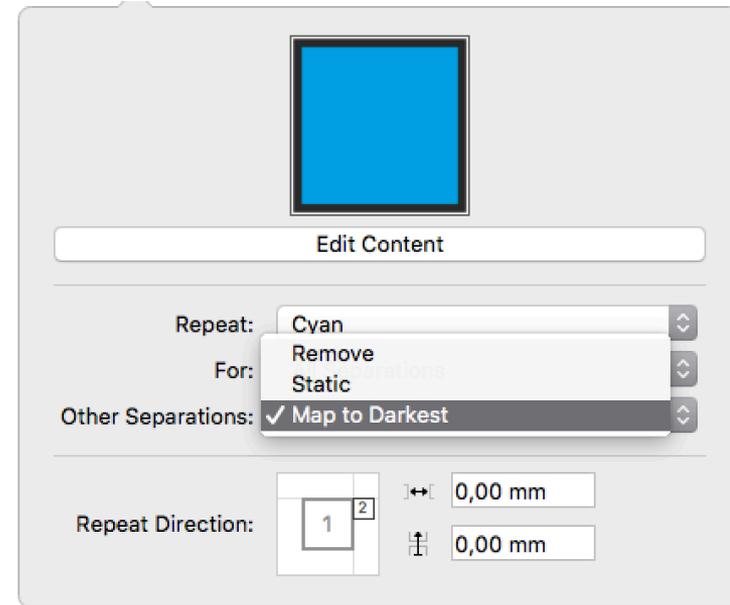
Dynamic Marks – More color options (2)

- The custom filter can be used to filter on Processing Steps and/or Printing methods



Dynamic Marks – Multi-color Repeat for Separations Mark

- When editing a Repeat for Separations Mark, you can now decide what strategy to use for the other separation(s) when your content is using multiple separations
- A new setting 'Other Separations' has been added
 - Remove: other separations are removed
 - Static: the separations will be kept as defined in the source content
 - Map to darkest: the darkest separation will be used to recolor all the others but the repeating separation



Dynamic Marks updates on Automation Engine

- The tickets that currently have support for the ArtPro+ Dynamic Marks are the Dynamic Step & Repeat tickets and the 'Add Dynamic Marks' ticket
- In order to use the new Dynamic Marks features on Automation Engine 18.1 for above mentioned tickets, a Hotfix for Automation Engine 18.1 will be made available on mysoftware.esko.com/Hotfixes soon after the release of ArtPro+ 18.1.1

Warp using shrink sleeve grids

- When using an existing GRID or GRD file to warp, we now automatically detect whether it is a shrink sleeve grid or not
- When we detect a shrink sleeve grid, to achieve an equal distortion on each side of the shape:
 - The warp grid is now moved horizontally and centered on the selection
 - The visual center is used for warping

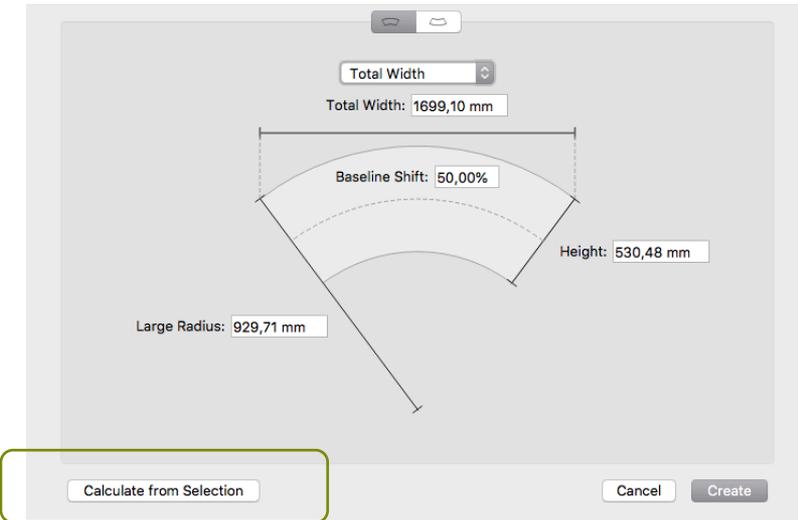
Conical Warp (1)

- You can now create a conical warp without placing an external grid first
- From the Prepress menu, select Warp> Create Warp Grid
 - Choose in which direction to warp by selecting the corresponding top icon
 - In the dropdown, choose which parameters to enter to create the grid. The technical drawing will update
 - Enter the values, a warning will be shown in case an invalid combination of parameters is entered



Conical Warp (2)

- Alternatively, you can first select a technical drawing in your document and use the selection to calculate the parameters for the warp grid
- We will match them as closely as possible
- After clicking Create, the warp grid is created centered on the selection



New PDF Action Lists

Following PDF Actions have been added in this release:

- Expand object
- Position crosshair
- Place PDF file
- Place Structural Design

When editing Action Lists, a warning will now be shown in case certain Action List parameters are empty or an invalid combination of parameters is entered

A full list of PDF Actions that are available in this release can be found [here](#)

New PDF Action Lists on Automation Engine

- To keep Automation Engine (version 18.0 or 18.1) in sync with the ArtPro+ 18.1.1 Action List additions, the PDF Action List Processor for AE can be installed on the Automation Engine server. This installer is available for download on MySoftware.esko.com

Convert CMYK to Spot color

- It is now possible to convert a CMYK color to the nearest spot color
- In the Colors List (left side drawer), right-click on an entry to 'Convert to Spot Color'
- In the sheet that appears, you can now type the name of the spot color you want to convert to or pick the best match from an ink book of choice
- If the selected color belongs to a cluster of tints, all tints will be converted to the corresponding tint of the spot color

Convert to Spot Color

Name:

Best Match from:

	PANTONE Cool Gray 9 C
	PANTONE 424 C
	PANTONE 2333 C
	PANTONE 409 C

Improvements to Compare

- You no longer need to browse to a reference document to compare if that document is already open in ArtPro+, you can simply select it from the dropdown
- To allow comparing files with different page boxes but similar contents, the compare feature has been improved to automatically align on the visible objects in both files , irrespective of trim box size and position
 - This allows better comparing of files with and without information legends, with and without die...
- If you edit the documents, the compare will always automatically refresh, as before. No automatic re-alignment is done though. If you made significant changes, click the 'Realign on all' button, or select the objects you want to align on in both documents (e.g. the die lines) and click 'Realign on selection'

Flexo Print Preview

- This new quality control tool shows the effect of highlight dot gain on the file
- The preview will display percentages below the first printable dot as 0% and will bump the first printable dot to the 'prints as' value

▼ Quality Control

👁 Flexo Print Preview

First Printable Dot: 0,8%

Prints as: 12,2%

Range: 52,2%

Extract all images

- You can now extract and link multiple embedded images at once
- Just select the embedded images you want to extract and in the Images side drawer, choose to 'Extract and Link...' (via the action wheel or a right-click)
 - Tip: You can also do a 'select all' to extract all embedded images at once
- The suggested file name will be *PDF file name_[#].extension*
 - If the PDF file is called Test.pdf, the suggested images file name will be Test_[#].psd (or tiff)
 - [#] is a placeholder which represents a unique number. Leave it in the file name and the extracted images will automatically receive a unique number
- Note: In a PDF+ file, RGB and LAB images can now also be extracted and linked. This was not possible before

Back page creation for CAD-based layouts

- When creating a CAD-based layout using an MFG or CF2 file, it is now possible to create a back page via a Turn or a Tumble
- The suggested workflow is as follows:
 - Replace all one-up graphics
 - Set the bleed and adjust the bleed masks if needed on the front page first
 - When the front page is ready, click Create back page via Turn or Tumble in the Layout Properties inspector
 - A back page will be created with mirrored page boxes, mirrored placeholder graphics including the bleed masking from the front
 - Note: When your one-up graphics are multipage PDFs, the second pages will be automatically used to fill up the placeholders on the back page

ArtPro+ 18.1.2

What's New

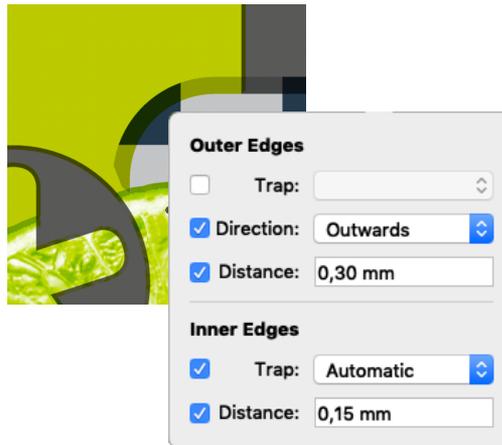
Frank Woltering

Product Manager PDF Editors

November 2019

Object based trapping

- ArtPro+ uses a brand new trapping technology that can cope with highly complex packaging designs
- Innovative trapping algorithms optimise the final trapping result towards aesthetical expectation of human beings
- A patented method to tag individual objects with trapping instructions removes the need for rework after design changes and allows for keeping product ranges in sync



Trapper: New automatic trapping tool

The screenshot shows the Trapper software interface with several callouts highlighting new features:

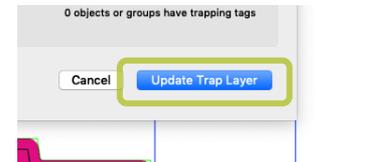
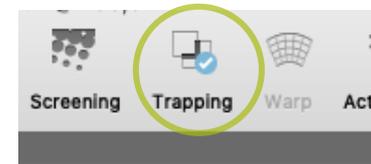
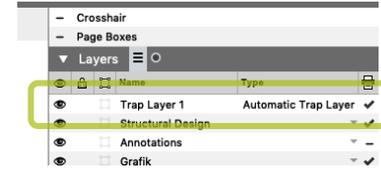
- Global trap settings:** A callout points to the 'Trapping' section of the interface, which includes a 'Distance' field set to 0,20 mm, a 'Truncate' button, and 'Joins' and 'End Caps' options.
- New: Tabs to select automatic or manual Trapping:** A callout points to the 'Automatic' and 'Manual' tabs at the top of the Trapping panel.
- New: The trapper will create an "automatic trap layer":** A callout points to the 'Create Trap Layer' button at the bottom right of the Trapping panel.
- New: Automatic Trapper will trap all content in printing layers:** A callout points to the 'Close gaps smaller than: 0,020 mm' field.
- New: Non-printable layers will be excluded from trapping. The layer visibility has no longer impact on trapping:** A callout points to the 'Layers' panel on the right, which shows a list of layers including 'Background' and 'Black'.

The interface also shows a 'Document' panel on the right with a 'Layers' list and a 'Separations' panel at the bottom right. The 'Layers' list includes 'Structural Design', 'Annotations', 'Grak', and 'Background'. The 'Separations' panel shows a table with columns for 'Name' and 'Setup'.

Name	Setup
Cyan	1
Magenta	2
Yellow	3
Black	4

Trapper: The “Automatic Trap Layer”

- 1 After automatically trapping a design the first time a special „Automatic Trap Layer“ is created
- 2 The check mark on the trapper tool icon indicates that trapping is in sync with the graphics
- 3 After design changes the trap layer can be updated at any time by choosing the trapping tool or using the short cut CMD&T on Mac or CTRL&T on PC



NOTE:

Automatically trapping a design will no longer take you into interactive trapping mode

Trapper: How to change automatic traps

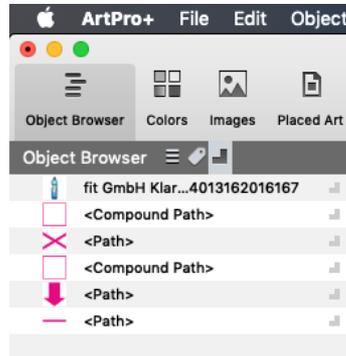
- Select objects you want to trap differently and configure your desired result with the new Trap Tag inspector. Then, update the automatic trap layer.



- You can assign trap properties (trap tags) to groups of objects. The trapper allows to handle edges within the group differently than edges at the outside. Each group or object trap tag setting overrules the parental settings.



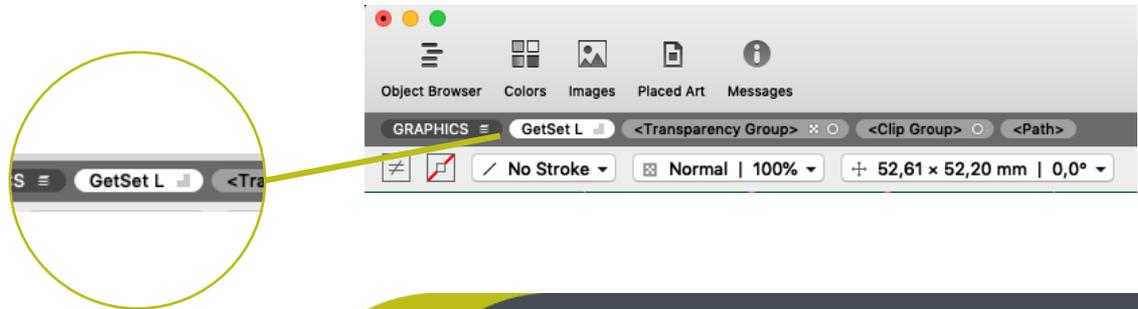
Trapper: How to change automatic traps



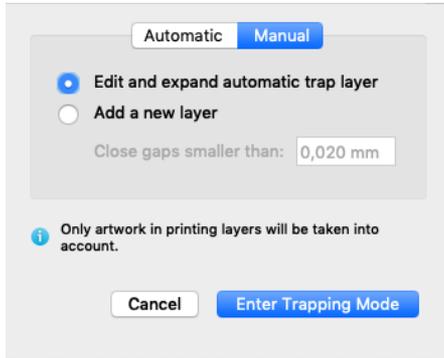
- The new 'Trap Tagged Objects Overview' allows for house keeping your exceptions with auto zoom and direct select.

NOTE: Assigning trap tags requires working with native PDF!

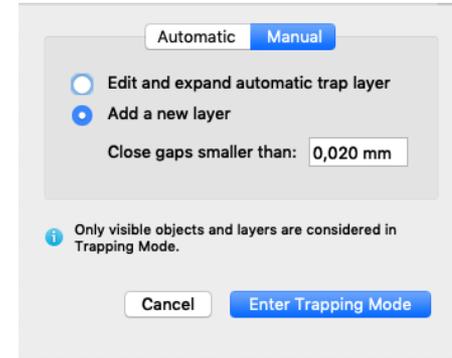
- Each trap tagged object or group carries a trap icon in its breadcrumb



Trapper: Create or change traps in interactive trapping mode



- If an automatic trap layer can be found, you can make traps editable and change them with the manual tool



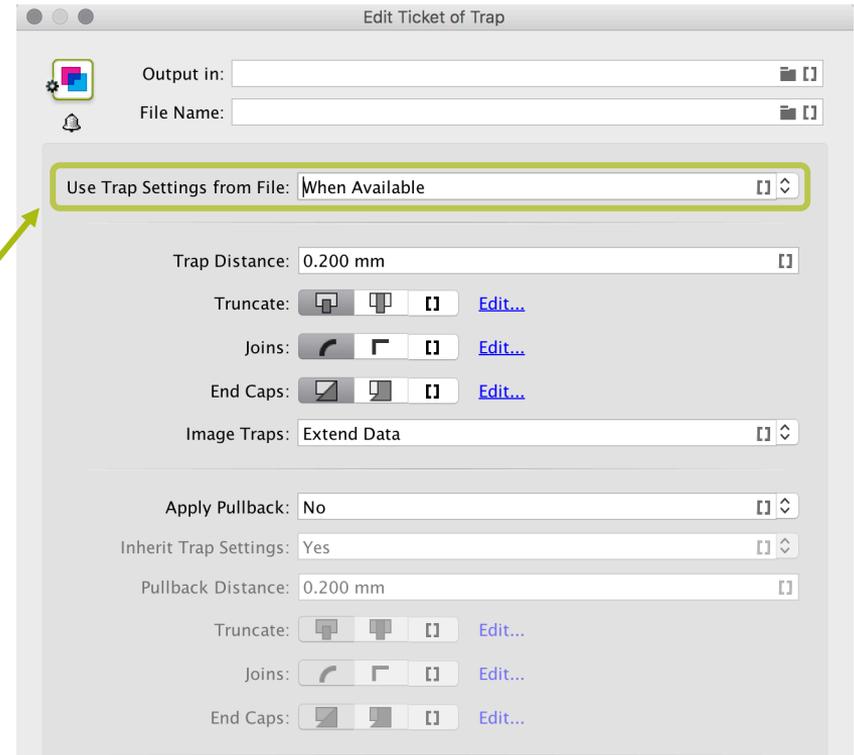
- You can create an additional layer and add trap or pullbacks to the trapped design

NOTE:

The automatic trap layer will be expanded as modified traps cannot be maintained during future automatic update!

Automatic Trapping with Automation Engine 18.1.1

- This version of Automation Engine features a new trapping ticket using the latest ArtPro+ trapping technology
- This ticket will honor the trap tags you've assigned to objects and groups in ArtPro+
- The global trap settings of a PDF+ file can be overwritten by the ticket



Dynamic Marks: Barcode Mark

- Turn QR, Micro QR and Datamatrix codes into dynamic marks for plate and sheet identification purposes

- 📄 Create Custom Mark from Selection
 - 📄 Create Point Text Mark from Selection
 - 📄 Create Area Text Mark from Selection
- 🔁 Create Repeat for Separations Mark from Selection
- 🔁 Create Repeat by Count Mark from Selection
- 📄 Create Grid Mark from Selection
- ✂️ Create Cut Mark from Selection
- 📄 Create Bearer Bar Mark from Selection
- 📄 Create Clip Mark from Selection
- 📄 **Create Barcode Mark from Selection**
- 📄 Create External File Mark from Selection

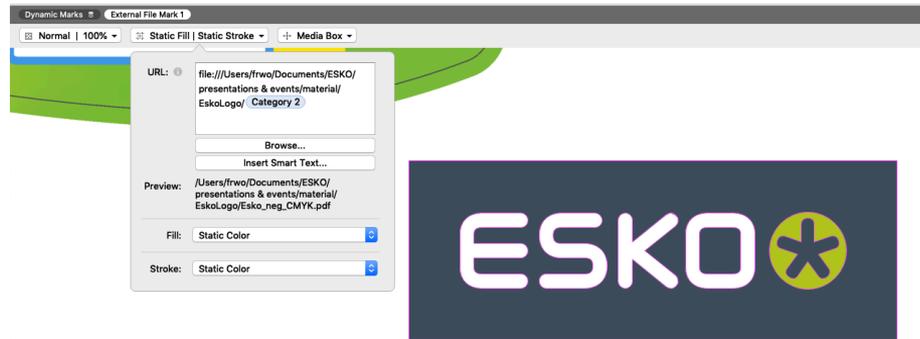
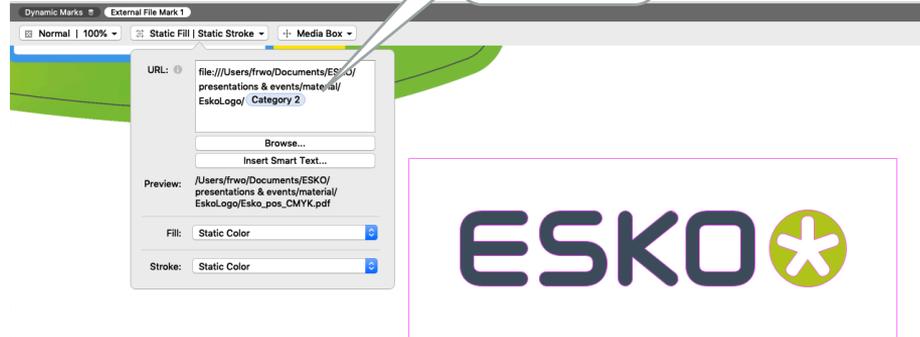
The screenshot shows the ArtPro+ software interface. The 'Dynamic Marks' panel is open to 'Barcode Mark 1'. The 'Code' field contains 'Artpro Plus Order ID'. Below it is an 'Insert Smart Text...' button. The 'Preview' section shows 'Artpro Plus 20190906_TTT'. A checkbox 'Use smallest possible symbol size' is checked. A speech bubble points to the 'Code' field with the text 'Variable smart text for highest flexibility'. To the right of the dialog is a large QR code. The software's top menu bar includes 'File', 'Edit', 'Object', 'Select', 'Prepress', 'View', 'Window', and 'Help'. The top status bar shows 'layout.pdf • Job: 20190906_TTT @ 1539%'. The bottom status bar shows 'Normal | 100%' and 'QR Mark | 0,30 mm | 20 micrometers | Trim Box'.

Dynamic Marks: External File Mark

- Turn any linked placed art into an external file mark using variables

- 📄 Create Custom Mark from Selection
- 📄 Create Point Text Mark from Selection
- 📄 Create Area Text Mark from Selection
- Create Repeat for Separations Mark from Selection
- Create Repeat by Count Mark from Selection
- 📄 Create Grid Mark from Selection
- ✂ Create Cut Mark from Selection
- 📄 Create Bearer Bar Mark from Selection
- 📄 Create Clip Mark from Selection
- 📄 Create Barcode Mark from Selection
- 📄 Create External File Mark from Selection

Variable smart text for highest flexibility



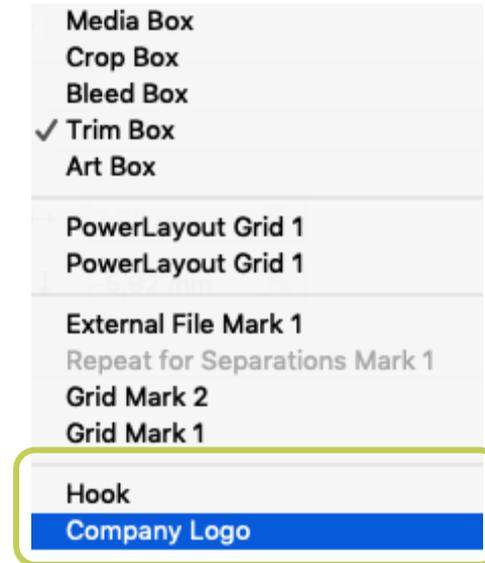
Dynamic Marks: Formula support for positioning

- Marks can now be positioned smarter by using formulas. In this version we support Page Boxes and Grids formulas. Server variables will be added in the next version.

The image shows a software interface for configuring dynamic marks. On the left, a panel titled "Attachments" is visible, with a dropdown menu set to "Trim Box". Below this, there are two input fields: a horizontal one containing "7,50 mm" with a blue "fx" icon, and a vertical one containing "-5,92 mm" with a blue "fx" icon. A yellow callout box points from the "7,50 mm" field to a formula displayed in a larger box on the right: $((\text{Media Box Right} - \text{Trim Box Right}) / 2)$. Below the formula, a vertical stack of three elements is shown: a blue QR code, a pink QR code, and a pink QR code. The text "1_C" is positioned between the top two QR codes. The background of the interface shows a partial view of a document with green and yellow sections and the text "rei pekt".

Dynamic Marks: Attach marks to named objects

- Objects with names can now be used for positioning of marks



Dynamic Marks: More separation filtering

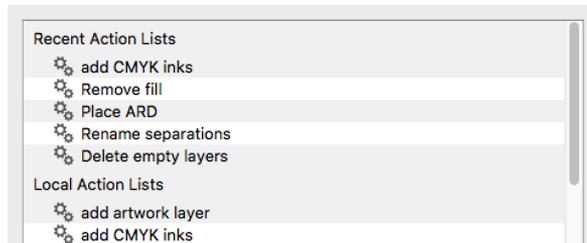
- For conditional selection of inks to be used in specific marks you can now define more filters

The image shows two screenshots from the ESKO software interface. The left screenshot displays the 'Content' panel with the ESKO logo. Below the logo is an 'Edit Content' button. Underneath, the 'Fill' is set to 'Dynamic Color' with a dropdown arrow and the text 'Using separations: #1, #2, #3, #4'. The 'Use:' dropdown is open, showing options: 'All Separations' (checked), 'Artwork Separations', 'Processing Step Separations', 'Artwork Separations and Varnish', and 'Custom...'. The 'Stroke:' dropdown is also open, showing 'Artwork Separations and Varnish'. A yellow arrow points from the 'Custom...' option to the right screenshot.

The right screenshot shows a dialog box titled 'Any of the following rules are true:' and 'All of the following rules are true:'. The 'None of the following rules are true:' option is selected. Below this, there are three filter rules, each with a dropdown for the property, a dropdown for the operator, and a dropdown for the value. The first rule is 'Printing Method is Offset (Offset)'. The second rule is 'Processing Step is Bleed'. The third rule is 'Separation Name equals White II' with a checked 'Ignore Case' option. At the bottom of the dialog are 'Cancel' and 'Apply' buttons.

New PDF Action Lists

- To further drive prepress automation, following new actions have been added:
 - Clip on Page Box
 - Create shape by parameters
 - Create shape on selection
 - Update Structural Design
 - A 'Transform' category with new actions: Move Objects - Mirror Objects - Scale Objects - Rotate Objects - Shear Objects - Set Objects Size
- Recently run Actions are now easily selectable in the Action List tool



Alternate spot color definition

- You can now specify unregistered (custom) inks in three different color spaces
 - CMYK
 - RGB
 - Lab

The image displays three panels, each representing a different color space for defining a spot color. Each panel includes a dropdown menu for the color space, input fields for the color components, and a green color swatch.

- CMYK Panel:** Mode: CMYK. C: 65,93%, M: 3,23%, Y: 87,60%, K: 5,67%. A green swatch is shown to the right.
- RGB Panel:** Mode: RGB. R: 96, G: 178, B: 57. A green swatch is shown to the right. A "Pick..." button is located below the input fields.
- Lab Panel:** Mode: Lab. L: 67, a: -46, b: 50. A green swatch is shown to the right.

NOTE:

There can only be one defining color space. The not selected ones are subject to color management.

Gravure Tiff export

- Output format can now be set to “Hell compatible Tiff”
 - The HELL typical *Job#SeparationNumber* syntax is used

Name	Date Modified	Size	Kind
MyJob#1.tif	Today at 16:13	103 KB	TIFF image
MyJob#2.tif	Today at 16:13	87 KB	TIFF image
MyJob#3.tif	Today at 16:13	145 KB	TIFF image
MyJob#4.tif	Today at 16:13	69 KB	TIFF image
MyJob#5.tif	Today at 16:13	115 KB	TIFF image
MyJob#6.tif	Today at 16:13	53 KB	TIFF image

Output Format: **HELL compatible TIFF**

Separations:

- MyJob#1
- MyJob#2
- MyJob#3
- MyJob#4
- MyJob#5
- MyJob#6
- MyJob#7

Resolution: **20,00 ppcm**

Anti-aliasing: **2 pixels**

Apply on all contents in Step & Repeat files

Add Noise: **3%**

Write skip areas to files

Threshold: **280** empty lines

Cancel **Export TIFF...**

Cancel **Export TIFF...**

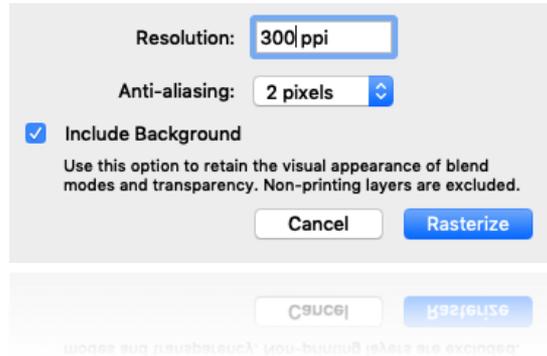
Threshold: **280** empty lines

Write skip areas to files

Add Noise: **3%**

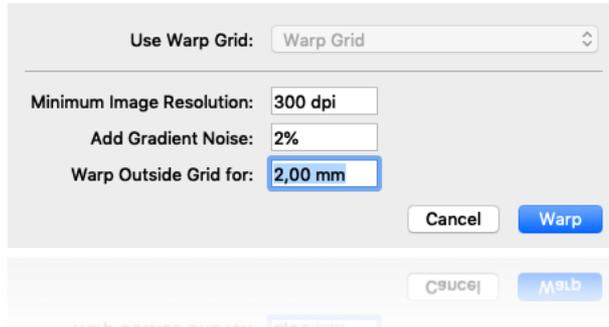
Rasterization

- The rasterization tool now offers an anti-aliasing feature improving the visual result when rasterizing graphics



Warping

- You can now add desired bleed to graphics when warping



macOS Catalina support



Note that ArtPro+ 18.1.2 is the last version to support macOS Sierra (10.12) and Windows 7.

ArtPro+ 18.1.3

What's New

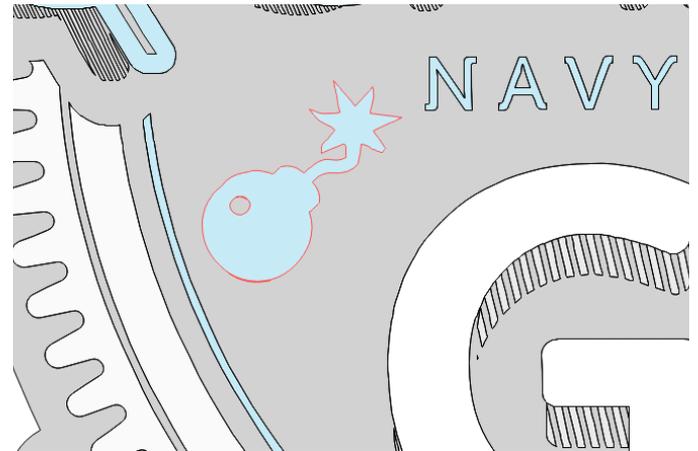
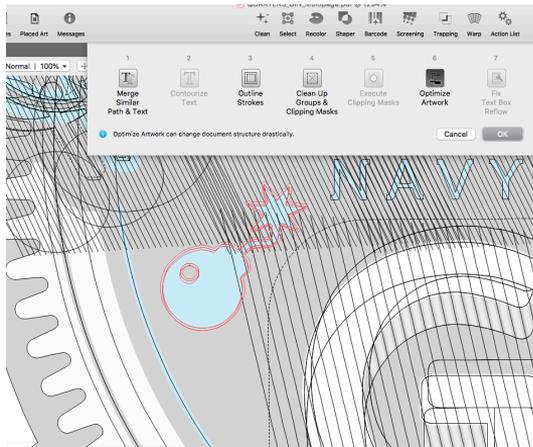
Frank Woltering

Product Manager PDF Editors

January 2020

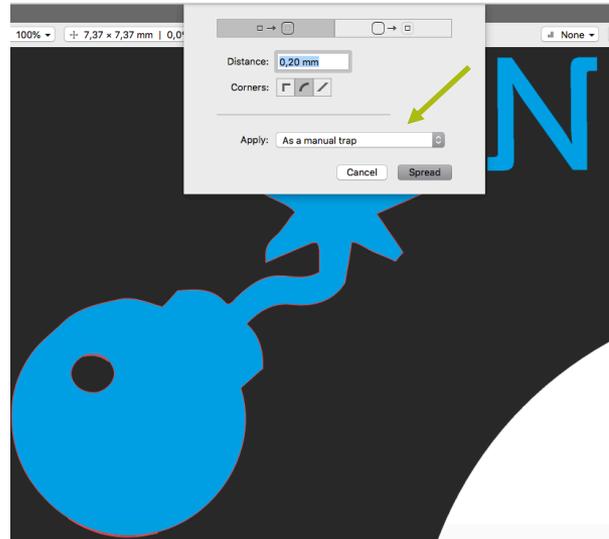
Optimize Artwork

- Optimize Artwork, located under the Clean tool, allows to clean up files by removing unnecessary paths. Files will look less complex in outline mode while visual appearance is not affected
- Optimize Artwork is destructive: objects can be changed or removed



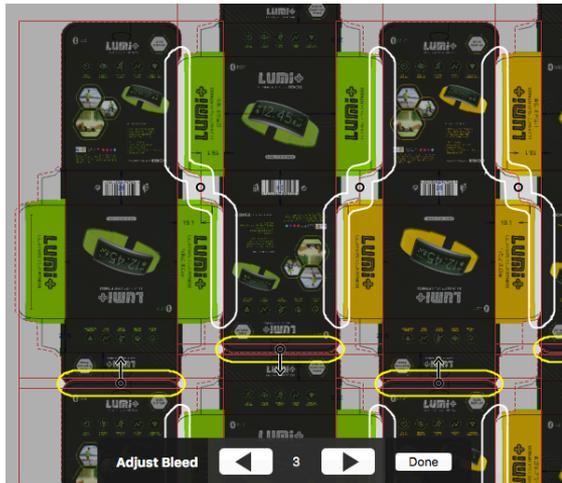
Spread and Choke for trapping

- A new option in Spread and Choke makes it possible to spread or choke selected objects as an easy way to create traps manually, without using Automatic Trapping
- When choking soft masked images, we will automatically generate a clipping path



Enhanced Adjust bleed

- In this version, when setting higher bleed values, overlap bleeding areas from different panels are now no longer merged so different bleed decisions can be made for each panel.



Bleed areas in version 18.1.2 were sometimes merged.



Bleed areas in version 18.1.3 are no longer merged.

Shortcuts for quick 90° rotation

- With the Transform tool (E) active, you can now rotate your selection by 90° degrees
 - On Mac: Use shortcut Option (⌘) + Space Bar to rotate the selection 90° clockwise, use shortcut Shift + Space Bar to rotate the selection 90° counterclockwise
 - On Windows: Use shortcut Ctrl + Space Bar to rotate the selection 90° clockwise, use shortcut Shift + Space Bar to rotate the selection 90° counterclockwise

ESKO 