

# Automation Engine

What's New in v20.1

Paul Land

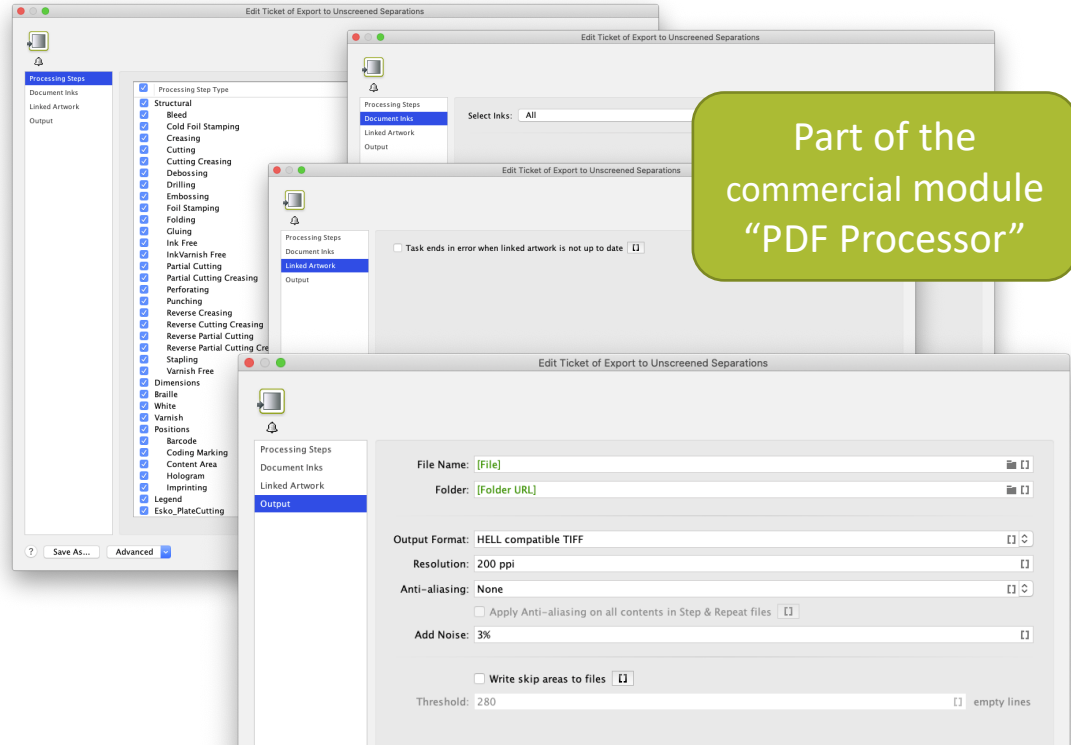
Product Manager

# Index

- New task 'Export to Unscreened Separations'
- New PDF Actions
- New SmartNames
- Additional Improvements

# New Task 'Export to Unscreened Separations'

- The input file is one or more PDF files. A separate task is started per input file
- The output files are unscreened TIFF files, one per separation
- This task generates pixels in the same way as the Export Gravure TIFF function in ArtPro+



This task creates output for Gravure printing systems.

# New PDF Actions

PDF Action	Description
Add Rich Black	This action adds Rich Black to the selected objects. It creates these Rich Black Objects using the specified inks, in a separate layer and in the blend mode Darken.
Create Layer from Unlayered Art	This action creates a Layer from Unlayered Art. You define the Layer name and the action moves all elements from the Unlayered Art to this new Layer.
Replace Image	This action replaces all the selected images with the specified image file. You can choose to embed the image with or without a link to the external image file.
Lock/Unlock Layers	This action locks or unlocks the selected layers. Objects in a locked layer are excluded from object selection. Other object attributes (name, order, Processing Steps, ...) can be changed. It is possible to create or paste objects into a locked layer.
Set & Remove Trap Tags	This action sets or removes Trap Tags on selected objects. You can choose to keep existing tags, to remove tags or to set new tag values. Optionally choose to also clear tags from children in a group.
Select Objects by Attribute - Trap Tag	A Trap Tag has been added to the list of attributes that you can select by.
Select Objects by Attribute – Structural Design	You can now also select objects by their type 'Structural Design'. The options are 'Any', 'Print side', 'Print item' or 'Profile'.

# New PDF Actions

PDF Action	Description
Select Layers by Printing State	This action selects layers based on their Printing State, “On” or “Off”. The resulting selection can be added to or subtracted from an existing layer selection, or simply added to a new selection.
Select Empty/Non-Empty Layers	This actions selects either Empty or Non-Empty layers. The selection of layers can be added to, subtracted or selected from an existing layer selection, or you can create a new selection.
Set Processing Steps Printing State	This action sets the Printing State On or Off for Processing Step(s), also the ones used in any Placed Art or Structural Design objects. This means you can set the printing state of deeply nested Processing Steps as well. In case of Custom Processing Step, you need to type the exact Processing Step Group and Type (no wildcards allowed). This action has no influence on the layer selection. Object selection might change, for example objects in layers that were set to non-printing state are removed from the selection.
Set Document Distortion	This action sets a vertical and/or horizontal distortion factor for your document. It can also be SmartName driven.
Select Separations Used in Printing Layers	This action selects all separations that are used in printing layers. Separations used only in Dynamic Marks, Processing Steps and in non-printing layers are ignored. You can create a new selection or add, subtract or select from currently selected separations.
Select Artwork Layers	This action was extended with the option of selection. You can now create a new selection or add, subtract or select from currently selected layers.

# New SmartNames

These can be used as replacements for XMP XPath query SmartNames

## Ink Related

- Artwork Separations Names
- Separation Names
- Long Artwork Separations Names
- Long Separation Names
- Number of Separations
- Number of artwork separations

## Box Related

- Bottom Margin
- Left Margin
- Bottom Margin
- Top Margin

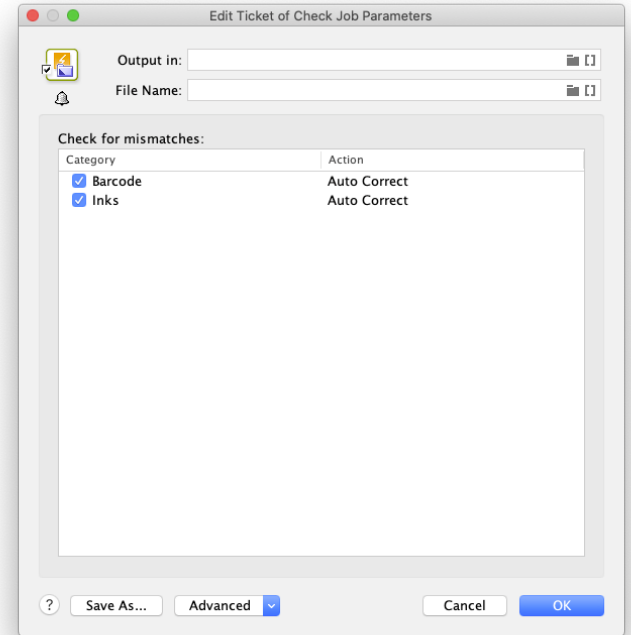
## Other

- Horizontal Distortion
- Vertical Distortion
- Layer Names
- Output Intent

Name	Description	Type	Category
Artwork Separation Names	Names of artwork separations of the input file	System	File Info
Bottom Margin	Bottom margin of the first page of the input file	System	File Info
Horizontal Distortion	Horizontal distortion of the input file (100% = 100.000)	System	File Info
Layer Names	Layer names of the input file	System	File Info
Left Margin	Left margin of the first page of the input file	System	File Info
Long Artwork Separation Names	Long names of artwork separations of the input file	System	File Info
Long Separation Names	Long names of separations of the input file	System	File Info
Media Box Height	Height of the Media Box (mm) of the first page of the input file	System	File Info
Media Box Width	Width of the Media Box (mm) of the first page of the input file	System	File Info
Number of Artwork Separations	Number of artwork separations of the input file	System	File Info
Number of Pages	Number of Pages of the input file	System	File Info
Number of Separations	Number of separations of the input file	System	File Info
Output Intent	Output intent of the input file	System	File Info
Right Margin	Right margin of the first page of the input file	System	File Info
Separation Names	Names of separations of the input file	System	File Info
Top Margin	Top margin of the first page of the input file	System	File Info
Trim Box Height	Height of the Trim Box (mm) of the first page of the input file	System	File Info
Trim Box Width	Width of the Trim Box (mm) of the first page of the input file	System	File Info
Vertical Distortion	Vertical distortion of the input file (100% = 100.000)	System	File Info

# Barcode Improvements

- Support for code 93 in the task 'Check Job Parameters'
- New option to add a stroked box on some barcode types.



For now, these options only work with barcodes generated from DeskPack v20.0.1 (Nov2020) or from PackEdge v21 (2021).

# Additional Improvements



# Structural designs in PDF+ Files

- Support for placed structural designs in PDF+ files in the classic Step & Repeat tasks (= the non-Dynamic ones)
  - These classic Step & Repeat tasks now recognize placed structural designs in one-up PDF+ files and also detect the position & orientation of the CAD design in that one-up
  - This ensures they can be placed properly in an MFG based layout

ESKO\*