

Automation Engine

What's New in 22.07

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Product Manager

Contents

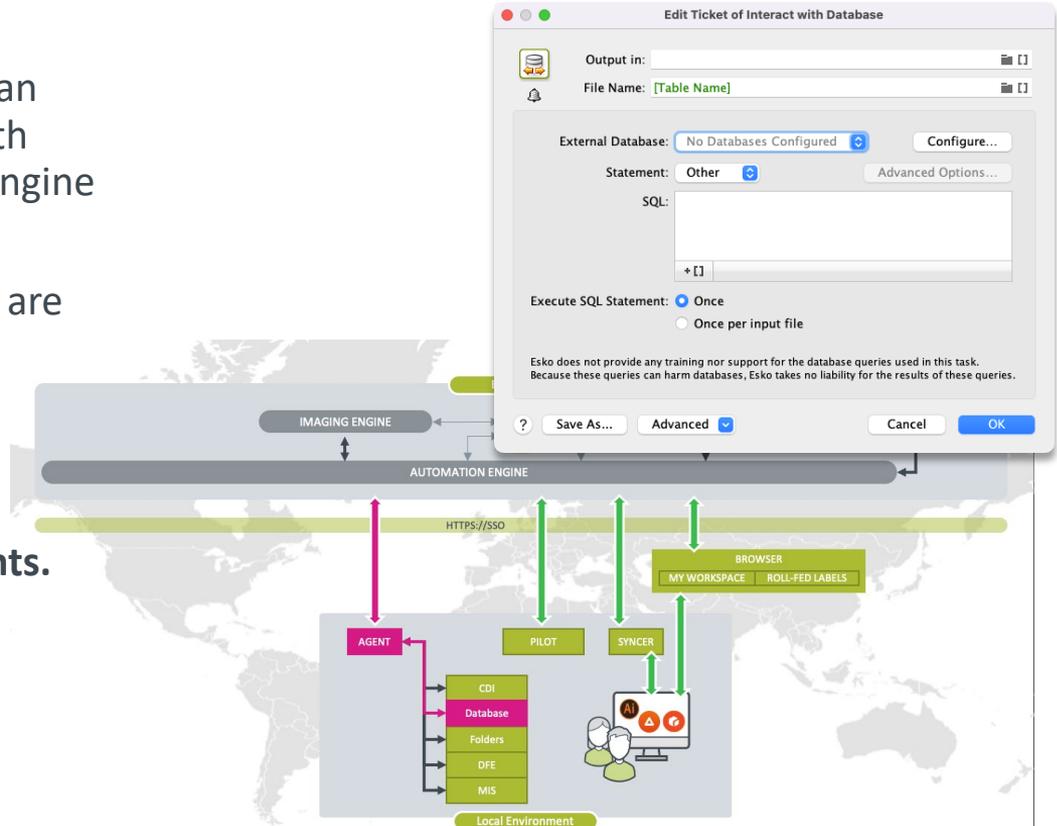
- Automation Engine – SaaS
 - ‘Interact with Database’ task for Automation Engine SaaS
- Automation Engine – General
 - New ‘Launch Workflow’ workflow control
 - Seconds option in the ‘Wait’ task
 - Conflict handling when importing Tickets
 - Central Password Management for WebCenter tasks
 - Direct routing on XMP XPath, XPath and JSONPath
 - Support for Printing Units
 - Support for formulas in the Step & Repeat Tabular task
 - Manage Fonts & Central Fonts for NDL tasks
- My Workspace Improvements
 - Smart Views in My Workspace
 - Download Multiple Files in My Workspace
 - Launch a workflow via Drop zones without a file
 - Compare Products in My Workspace
- Flexo Engine
 - Solvent Saver
- System Requirements & Known Limitations

Automation Engine

SaaS

Interact with Database task for AE SaaS

- Automation Engine SaaS customers can now also make use of the Interact with Database task over the Automation Engine Agent.
- Because we use the Agent all queries are performed over a secure connection.
- Database connections via the Agent can only be used with the Interact with Database task. **They can not be done via SmartNames or Access Points.**

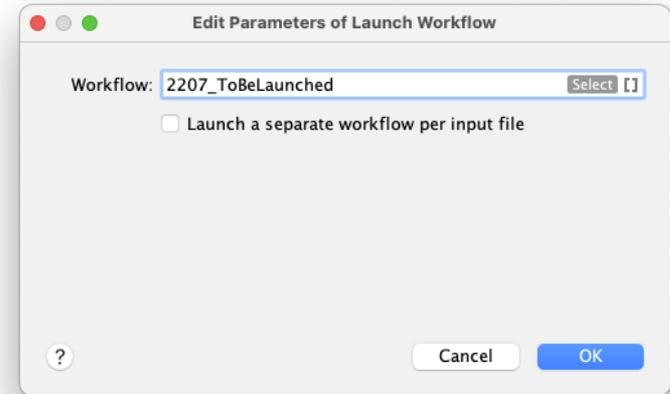


Automation Engine

General

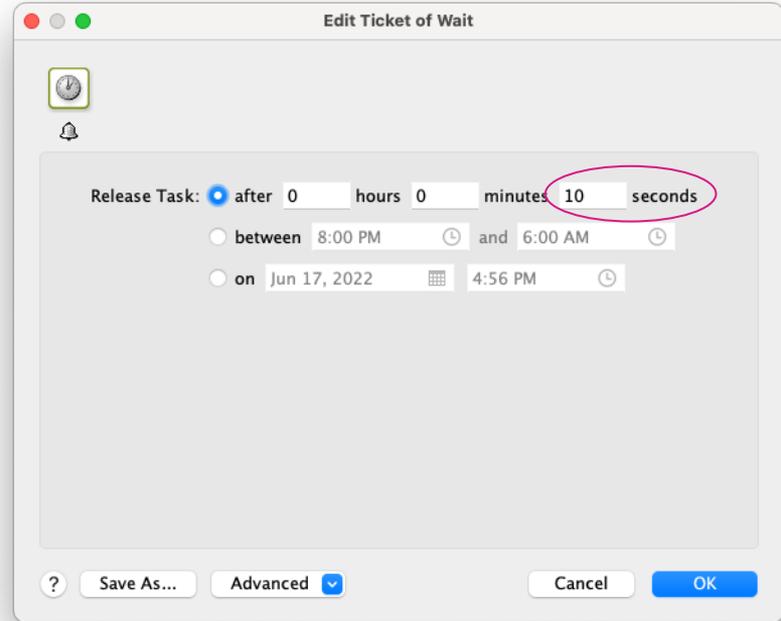
New Workflow Control 'Launch Workflow'

- As a step within a main workflow, this workflow control allows to launch a workflow in 'fire & forget' mode:
 - The main workflow **does not wait** for the result of this launched workflow, it also does not keep track of its status(es)
 - Can be used to keep **workflows smaller** so they run more **optimal**



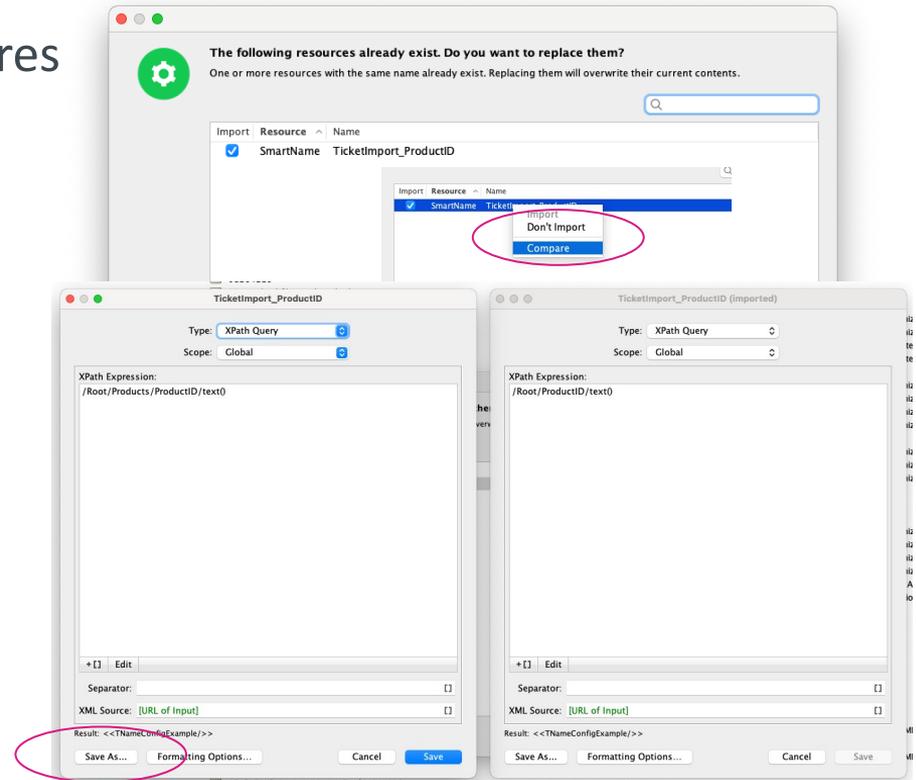
Seconds option in 'Wait' task

- One of the most required features on the [Ideas Platform](#) is finally here
- You now have the option to select seconds in the 'Wait' task



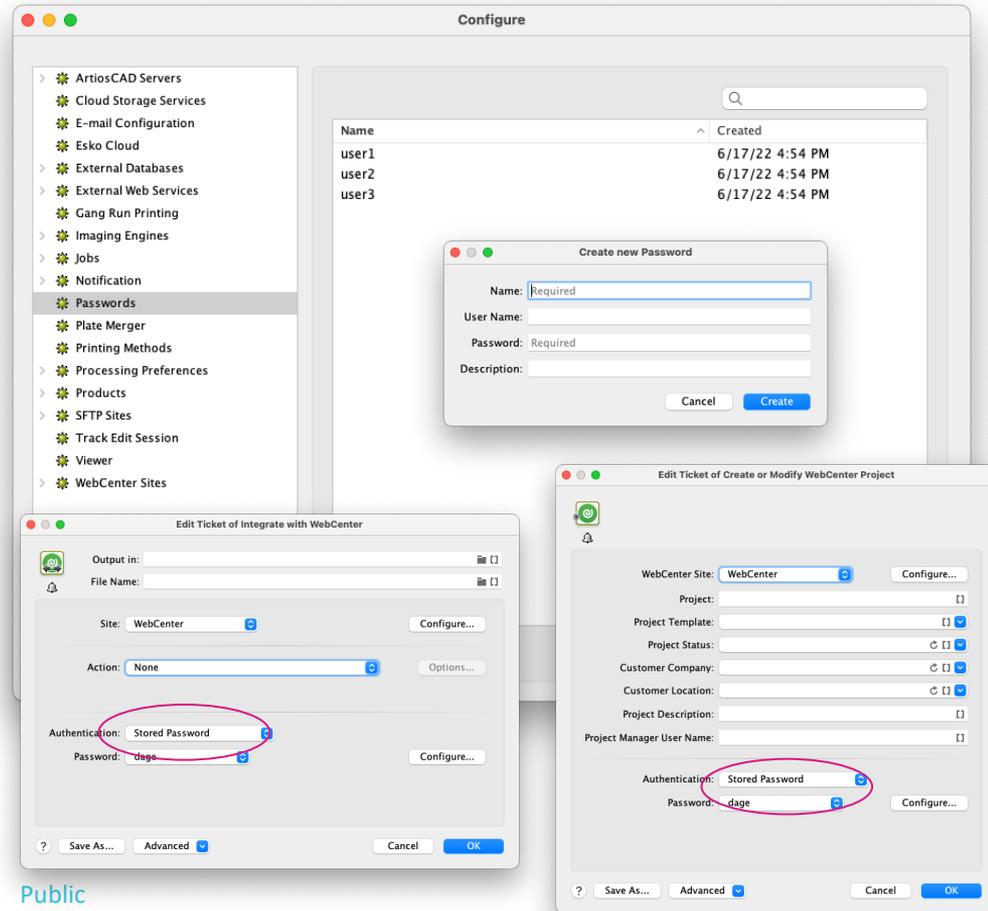
Conflict handling when Importing Tickets

- Also one of the most requested features on the [Ideas Platform](#).
- This new feature will be a major time saver for workflow administrators
- Resource conflicts that are detected during import are now listed
- Possibility to import anyway (and so overwrite) existing resources. Or per item choose to not do this.
- SmartNames: extra possibility to compare and resolve SmartName conflicts



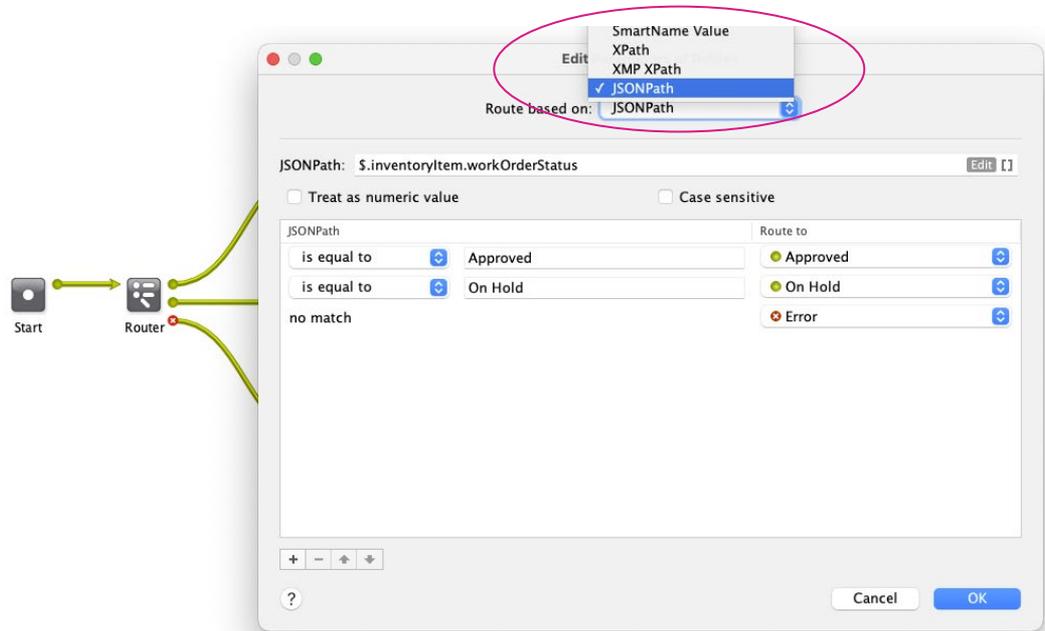
Central password management for WebCenter tasks

- Instead of setting a username and password for WebCenter in each of these tickets, you can now choose to refer to a stored password in the configure panel
- When WebCenter users change, this avoids having to update dozens of AE-tickets in which you had specified user name / passwords. You now only have to update the stored password.



Direct Routing on XMP XPath, XPath and JSONPath

- Routing is done per file attached to the incoming token based on a given XMP XPath, XPath and JSONPath
- No more need to create additional SmartNames



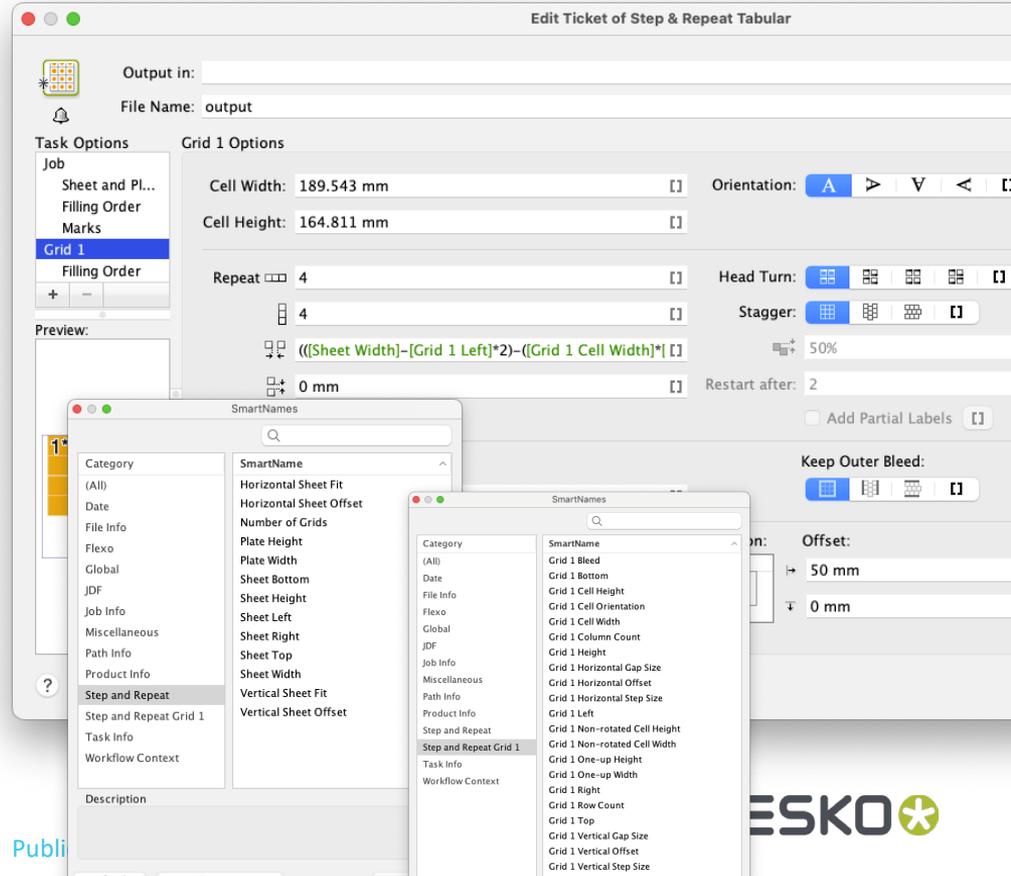
Printing Unit Support

- 'Printing unit' is the print station/tower on the press that will be used for an ink.
- Define the print order of a file without reshuffling separations.
- File Info dialogs list the Printing Unit number in the Separations tab.
- New SmartName 'Print Order' to detect normal/reverse printing.
- Output tasks also offer a SmartName to add to the name of the separated output files.

Separation Name	Ink Book	Type	Printing Method	Printing Unit
White 1		Normal	Unknown	8
Cyan	process	Normal	Flexo	7
Magenta	process	Normal	Flexo	6
Yellow	process	Normal	Flexo	5
Black	process	Normal	Flexo	4
PANTONE 360 C	PANTONE+ S...	Normal	Unknown	3
PANTONE 185 C	PANTONE+ S...	Normal	Unknown	1
Cut		Normal	Unknown	
crease	Visualizer Sta...	Normal	Unknown	
Fold		Normal	Unknown	
Dimensions and text		Normal	Unknown	

Formula support in Step & Repeat Tabular task

- Use formulas to define sheet size, repetitions, gaps ... in the NDL based 'Step & Repeat Tabular' task.
 - By using a new set of Step and Repeat SmartNames.
 - Similar to what was available in the classic (BRIX based) 'Step & Repeat Tabular' task.



Manage Fonts & Central Fonts for NDL tasks

- In the Admin section of the browser client, see the new 'Manage Fonts' page to add and remove central fonts.
- NDL tasks now (also) take their fonts from the central fonts folder `BG_DATA_FONTS`
 - Before 22.07, the Windows fonts folder was used
 - Typically for text marks
 - In case a font is not found in `BG_DATA_FONTS`, the task will look in the Windows fonts folder
 - To guarantee the exact same output as in 22.03, you can copy the fonts in the Windows folder to the central `BG_DATA_FONTS` folder

The screenshot displays the 'Manage Fonts' interface within the 'ADMIN' section of the 'AUTOMATION ENGINE'. The page title is 'FONTS'. On the left sidebar, there are navigation options: 'USAGE DASHBOARD', 'MANAGE TOKENS', and 'MANAGE FONTS' (which is selected). The main content area features a table with the following data:

NAME	ACTIONS
78-euc-h.cmap	
78-euc-v.cmap	
78-h.cmap	
78-rksj-h.cmap	
78-rksj-v.cmap	
78-v.cmap	
78ms-rksj-h.cmap	
78ms-rksj-v.cmap	
83pv-rksj-h.cmap	

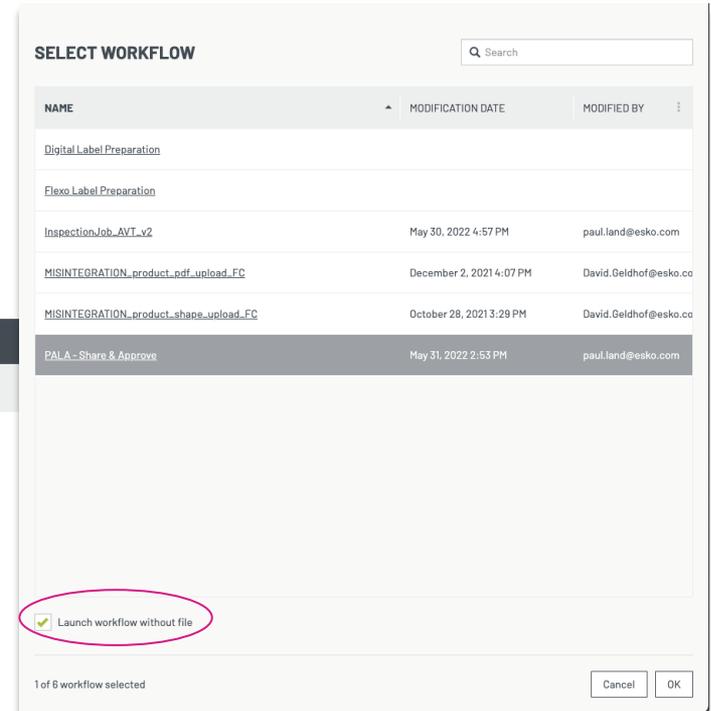
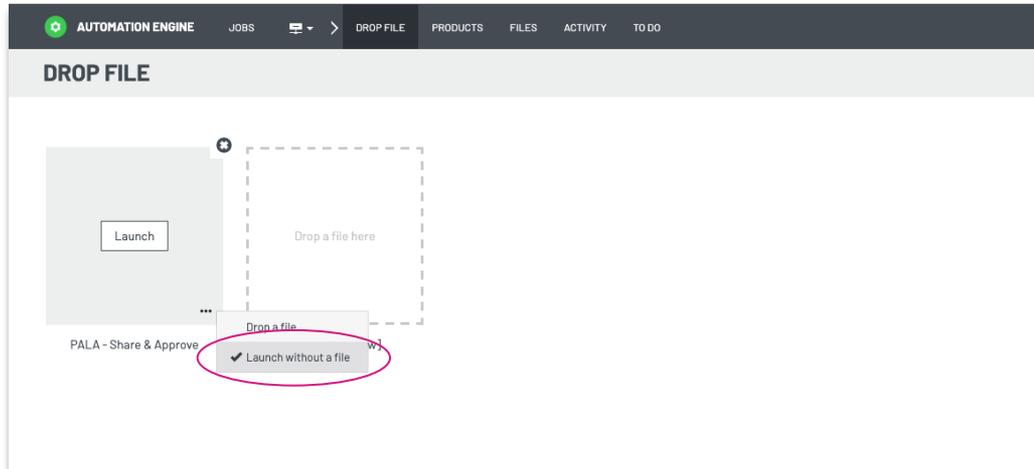
Below the table, there is a dashed box containing the text 'Drop a font file here'. At the bottom left of the page, it indicates '363 fonts'.

My Workspace

Improvements

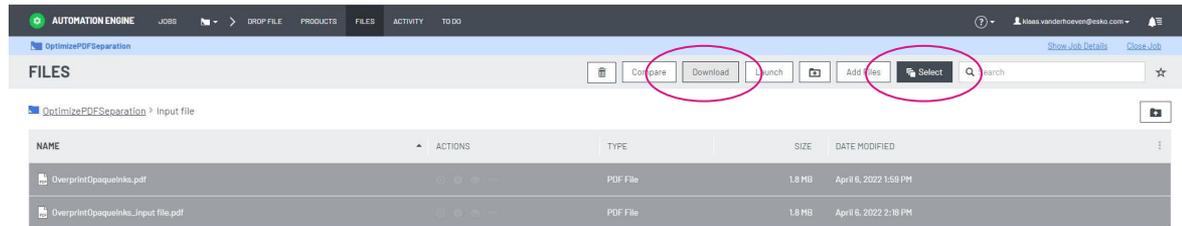
Launch Workflow on Drop Zones without a file

- When selecting a workflow for a drop zone you can now decide if it can be launched without even dropping a file



Download Multiple files in My Workspace

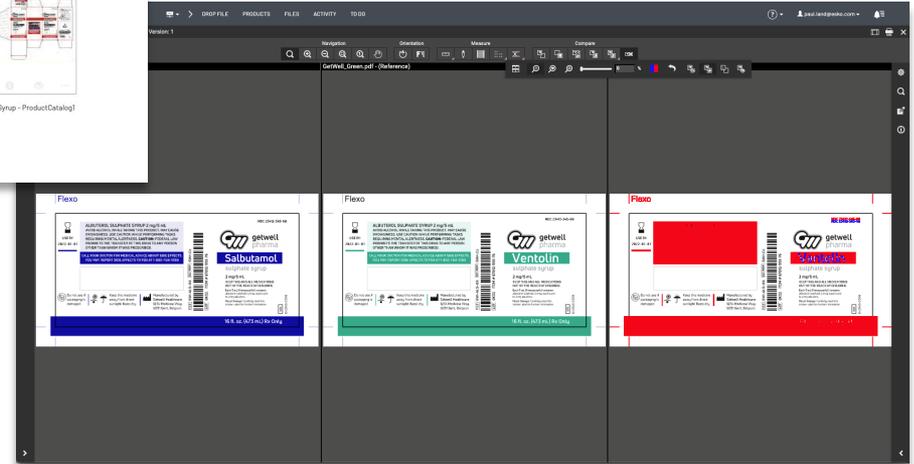
- You can now select and download multiple files in different folders
 - In Multi Select mode
 - Make a selection
 - Click Download
 - ZIP file is downloaded



Compare Products in My Workspace



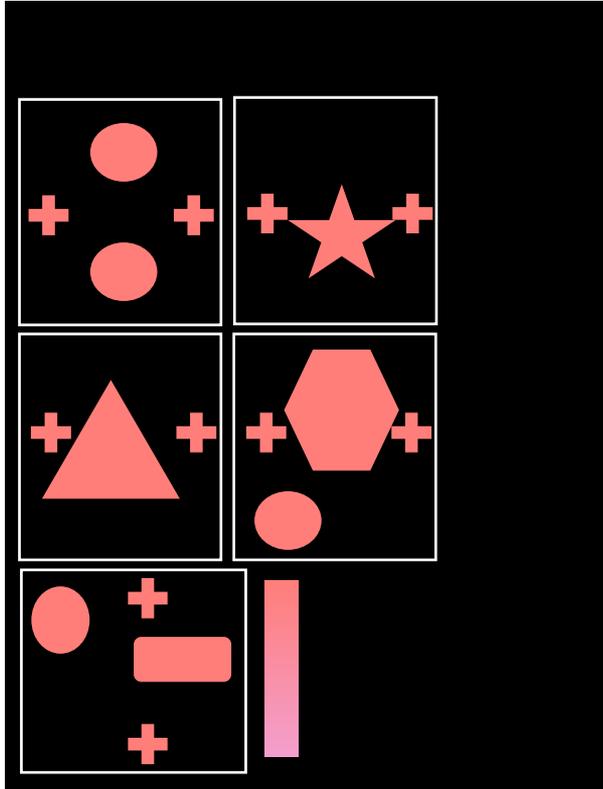
- You can now compare Products in My Workspace.
- Make a multi-selection and click the Compare button
- Both files are opened in the Viewer in compare mode - you can use the standard compare tools



Flexo Engine

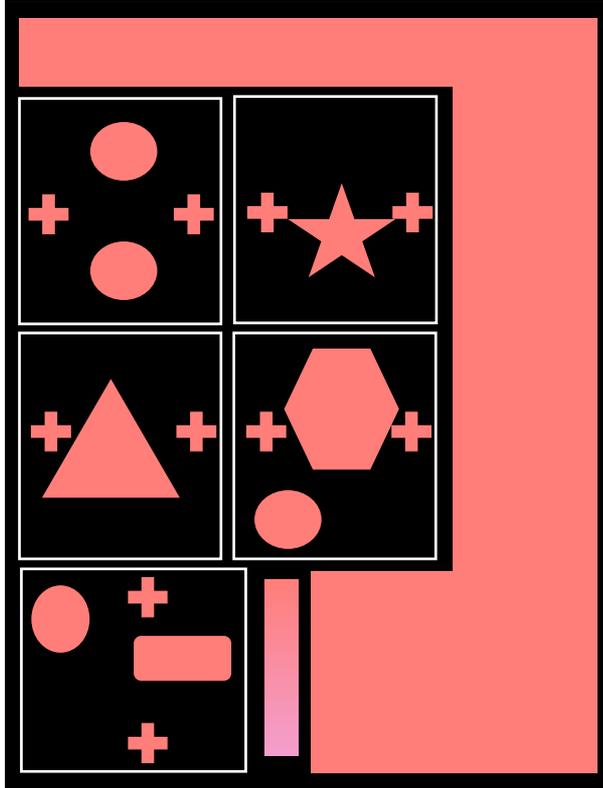
Solvent Saver

Introducing Solvent Saver



- average plate waste is 20% +
- average solvent waste is 20% +
- average solvent usage is
 - approx. 10 litres m² for thin plates
 - approx. 15 litres m² for thick plates

Introducing Solvent Saver



- average plate waste is 20% +
- average solvent waste is 20% +
- average solvent usage is
 - approx. 10 litres m² for thin plates
 - approx. 15 litres m² for thick plates
- ***Apply Solvent Saver***
- ***reduce the solvent wastage to approx. 10%***
 - ***5000 m² of thin plate saves 5000 litres of solvent per year***
 - ***5000 m² of thick plate saves 7500 litres of solvent per year***

Why Solvent Saver?

Cost				Quality		
Lower Solvent Consumption	Less deliveries	Less electricity used to distill solvent	Reduced processor maintenance	Reduced solvent marks on plate surface	Less washing better highlight reproduction	Increased plate consistency
						
						



Buy solvent by the barrel



Distill your own solvent

Solvent Saver in Automation Engine

Merge Settings

Minimum Fill: 100.0%

Override Minimum Fill: 0 hours 0 minutes before due date
Press plates will be merged once the minimum fill percentage is reached. If the minimum fill percentage is not reached at the specified time before the due date, the press plates will be merged anyway.

Rotation: Allow 90 degree

Auto-place Mode: Area Optimized

Maximum Calculation Time: 30 seconds

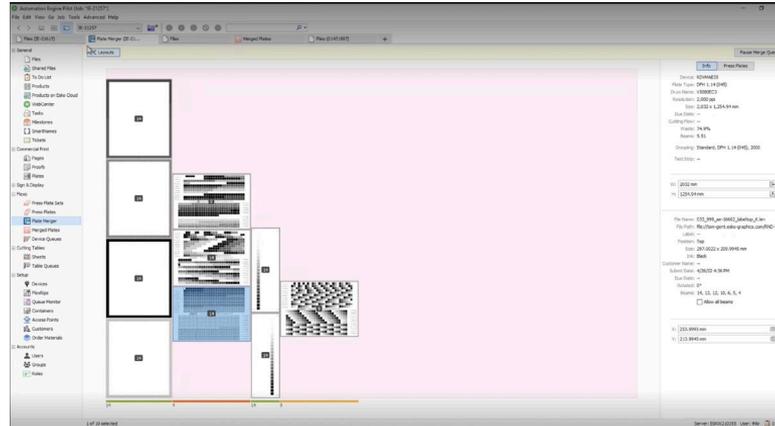
Cut Marks: None

Press Plate Margins: 3 mm
Press plate margins will be extended to 4 mm on the merged plate as soon as it contains a press plate for which a text label was specified.

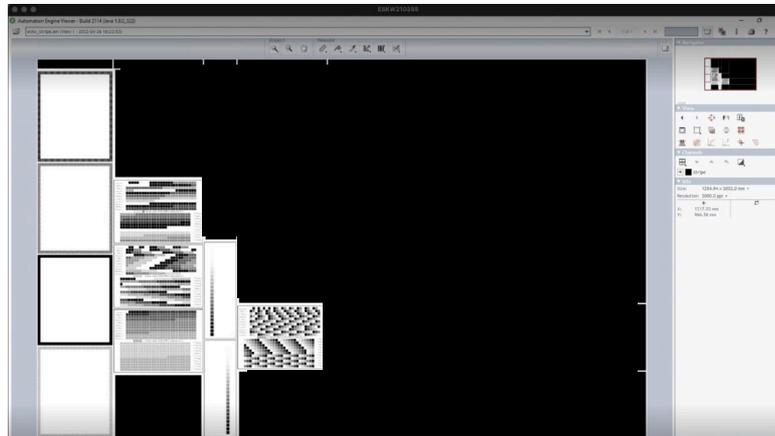
Solvent Saver: Apply

Solvent Saver Margin: 4 mm

Cancel OK



Automation Engine
Merger
showing the plate
Waste in Pink



Final merged file sent
to CDI with
Solvent Saver

System requirements & Know Limitations

System requirement changes

- No changes for Server and Client applications
- Updated system requirements for the Agent only
 - Recalled support for Windows 2022 and Windows 11
 - Due to a connection issue
 - Planned to be fixed in AE v22.11

Known limitations

- SmartNames of type '32-bit ODBC Query' and External Databases using DBMS Type 'ODBC Source' will become outdated soon.
 - These SmartNames and External Databases use **outdated 3rd party components** which will have to be removed in an upcoming version.
 - As an alternative, use Database Query SmartNames and External Databases using DBMS of type 'Microsoft SQL Server', 'Oracle' or 'Other' **using a JDBC driver**.
- To get to a more consistent and intuitive behavior, workflow parameters and their values will now always be transferred to any encapsulated workflow (as a reference or as a regular sub workflow).

ESKO*