

Automation Engine, Imaging Engine, Pack Proof, Color Pilot and Curve Pilot 23.03 Release Notes

1. Introduction

This document gives an overview of the new features and changes in Automation Engine, Imaging Engine, Pack Proof, Color Pilot and Curve Pilot 23.03. It only covers the changes since version 22.11.

If you are updating from version 22.07 or earlier versions, we advise you to read the release notes of all versions between your current version and Automation Engine, Imaging Engine, Pack Proof, Color Pilot and Curve Pilot 23.03. You can find these on the online help for these versions (or on the product installer media for older versions).

1.1 Contents

1.	Introduction	1
1.1	Contents	1
2.	Licensing and System Requirements	2
2.1	Licensing	2
2.2	System Requirements	2
3.	Documentation	2
4.	New and changed features	3
4.1	Automation Engine	3
4.2	Imaging Engine	10
4.3	Bitmap Viewer	10
4.4	Pack Proof	10
4.5	Color Pilot	11
4.6	Print Control Wizard (Printing Conditions)	11
4.7	Curve Pilot, HD Flexo Screens and ScreenManager	11
5.	Known Limitations & Important Changes	12
5.1	General	12
5.2	Automation Engine	12
6.	Solved customer issues	13
6.1	Automation Engine	13
6.2	Imaging Engine	17
6.3	Bitmap Viewer	17
6.4	Pack Proof	17
6.5	Color Pilot	18
6.6	Print Control Wizard (Printing Conditions)	18
6.7	Curve Pilot, HD Flexo Screens and ScreenManager	18

2. Licensing and System Requirements

2.1 Licensing

Automation Engine, Imaging Engine, Pack Proof, Color Pilot and Curve Pilot 23.03 require version 23 licenses.

2.2 System Requirements

For a complete overview of the System Requirements, see the corresponding product pages on: <https://www.esko.com/en/systemrequirements>

Changes compared to 22.11:

- Added support for SQL Server 2022
- Dropped support for SQL Server 2012

Changes that can be expected in a *next* version:

- Dropped support for macOS Catalina
- Dropped support for Windows Server 2012 and Windows Server 2012 R2

3. Documentation

In addition to these release notes, extensive documentation on the new features can be found in the respective product pages of the online help and knowledge base – both via following link: <https://www.esko.com/en/support/documentation>

Following Knowledge Base articles are of interest for this version:

KB Article	Description
KB385070554	Automation Engine - Updated XMP structure requires update of XMP XPath Query SmartNames
KB385060650	Automation Engine - Microsoft 365 to disable basic authentication in Exchange Online
KB397293886	Automation Engine - Cannot add cloud storage account for Google Drive
KB341861822	Plate ID – Components and versions: Describes which versions of which components are required to set up an end-to-end Plate ID workflow.
KB341862828	Bitmap Viewer Mac - Standard user cannot see Seamless View icon
KB288327838	Automation Engine – Compatibility with Digital Flexo Suite / PlatePrep: Lists which versions of Automation Engine are compatible with which versions of DFS/PlatePrep (CDI).
KB288327774	Automation Engine – Compatibility with Grapholas: Lists which versions of Automation Engine are compatible with which versions of Grapholas (CDI).
KB288327758	Automation Engine – Compatibility with iPC: Lists which versions of Automation Engine are compatible with which versions of iPC (Kongsberg).
KB76723863	Automation Engine - PitStop Server Compatibility Matrix
KB185615059	FlexProof/E, Pack Proof - How to install and use generic Esko EPL files
KB325882668	Pack Proof - How to make a contract proof on an Epson SureColor P75x0 and P95x0 with the CT driver
KB405022077	How to deal with renamed PantoneLIVE ink books?
KB420505660	Proof Server: Fiery Hot Folders & Fiery Software Manager are available on Mac after installing Fiery Command Workstation

4. New and changed features

4.1 Automation Engine

4.1.1 New Viewer technology

Automation Engine 23.03 has a new Viewer that comes with following new features:

- Color managed viewing
- Viewing CAD files
- 3D Viewing
- Text tools

The new viewer is browser-based (even when started from Pilot) and uses the same technology as the viewers in WebCenter and Share & Approve.

As some features are not (yet) available in the new Viewer (hereafter also referred to as the latest Viewer technology), using it is optional. An administrator can switch to the latest Viewer technology in the Viewer configure panel. Only new installations will use the latest viewer technology by default.

The latest viewer technology has improved session handling: view sessions that are opened, but idle for a few minutes, are automatically closed. This will free up computer resources and reduce the chance of accidentally locking files.

Limitations of the latest Viewer technology:

- Seamless view is not available yet (planned for 23.07).
- Viewing annotations created by the GlobalVision inspection tasks is not available but planned.
- The processing step layers overview is not available yet: for each layer, the layer type is shown. What is still missing is the overview of all processing steps of the document and the possibility to make them visible or not (planned).
- Invert a separation (switch between positive and negative).
 - o Note: with the latest Viewer technology, RIP'ed data will be inverted/mirrored automatically based on the XMP to be positive/readable (simulating the printed result).
- Limited support for classic editors: viewing 'as in ArtPro' or 'as in PackEdge' is not possible.
 - o Note: it is configurable to use the old viewer technology for (classic) ArtPro and Normalized PDF files, while using the latest viewer technology for PDF (native) files.
- It is not possible to mix old and latest viewer technology while comparing (example: comparing a normalized PDF viewed with the old viewing technology with a PDF viewed with the latest viewer technology).
- It is not possible to compare a CAD file with a PDF file.
- No support for preparing PDF files: the 'Prepare for Viewing' task will end with an error when asked to prepare any graphics file format while using this latest technology.
- It is not possible to re-order separations (to reverse view a file prepared for reverse printing).
 - o Note: files for reverse printing are best prepared with printing units – avoiding the need to re-order separations.
- Viewing prepared RIP'ed data will now count as a view session.
- There is no 'Compensate distortion' for RIP'ed data.
- There is no TAC highlight for RIP'ed data.
- For 3D viewing, the structural file must be:
 - o in the same folder as the PDF.
 - o in a subfolder of the folder where the PDF is located.

4.1.2 Cloud storage supports OneDrive for Business

OneDrive for Business can now be configured as a Cloud Storage Service.

4.1.3 Connect to a Web Service via the Agent (AE SaaS)

Automation Engine SaaS can now connect to an external web service via the Agent.

This for instance allows connecting to an MIS only accessible in the LAN using the Interact with Web Service task or using a Web Service Access Point.

4.1.4 Overwrite while downloading Products from Esko Cloud (AE SaaS)

The 'Download Product from Esko Cloud' task now has an option to overwrite existing local products. This allows products on Esko Cloud to be used in JDF based integrations that automate re-print production jobs.

4.1.5 Extended SSO support for the Agent (AE SaaS)

Administrators can now also establish a connection between Agent and server using any of the configured Identity Providers (whereas previously, only Okta was available).

4.1.6 Browse Product Data Zone in ArtPro+ and DeskPack (AE SaaS)

When selecting a product in the Open or Place dialog (or Open and Place from Job Folder in DeskPack) and switching to the files view, the corresponding data zone will be shown.

4.1.7 Agent user type (AE SaaS)

The users that are automatically created when creating an agent connection now have a user type 'Agent'. These agent users are now filtered out of the user lists in the Wait for Action task, To Do items and CSR field in the Job Setup.

4.1.8 Hidden Syncer cache (AE SaaS)

Deleting a file in the Automation Engine Syncer cache will also delete the file on the container in the data center. To prevent accidental deletion of files, the cache folder is now hidden. Additionally, extra/improved warnings are now put in place when deleting files from the cache.

4.1.9 New PDF+ compatible Adjust PDF Screening task

A new PDF+ compatible 'Adjust PDF Screening' task was added. The task is similar to the 'Adjust PDF Screening (Classic)' task but works for PDF+ files with screen sets and object-based screening.

The task allows to create a list of rules that define how ruling, angle, dot shape should be changed for separations defined by their properties (ink name, ink book, ink type, printing method or previous values of ruling, angle or dot shape). It is also possible to apply properties

to all separations. The list of rules is processed from top to bottom and the first rule that can be used wins.

4.1.10 New PDF+ compatible Check Job and Product Parameters task

A new PDF+ compatible 'Check Job and Product Parameters' task was added. Based on the Job or Product setup, the task can:

- Check and modify barcodes saved into the PDF file by ArtPro+. All barcode properties that can be defined in a Job/Product setup can be checked or modified for all the barcode types supported by ArtPro+.
- Check and modify separation properties and their order. Screen sets used in the PDF+ file are adjusted or a new default screen set is added to the file to make sure that separation properties reflect the job/product setup.

4.1.11 More barcode parameters in Job Setup

Job Setup now allows to store the 'Symbol Size' for GS1_QR, QR, Aztec and MicroQR barcodes as well as the 'Error Correction' for GS1_QR, QR and MicroQR.

The barcode parameter for cell size is now labeled as 'Cell Size' (instead of 'Narrow Bar').

Barcode parameters that are not applicable to a certain barcode type, are now greyed out.

4.1.12 Export flavors in Prepare for Sharing

A new 'Export Flavor' option is available in the 'Prepare for Sharing' task. Selecting such a preset sets the best ticket options for the selected flavor: 'For Press', 'For Press (PDF 1.3)', 'For Viewing' and 'Custom'.

4.1.13 New and improved PDF actions

The 'Apply PDF Action List' task has support for new PDF actions:

- Spread thin parts
- Move objects to processing step layer
- Update trap layer

4.1.14 New text engine used for Dynamic Marks and VDP.

Dynamic Marks and VDP use a new text engine. The output of the text engine may be slightly different compared to previous versions but will be closer to the one in Adobe Illustrator.

4.1.15 New objects in Expand Dynamic VDP task

The 'Expand Dynamic VDP' task now has support for more variable objects:

- Placed art
- Text on path
- Extra barcode types

4.1.16 Screen sets info in Export PDF Info task

Detailed screen sets information is included in the XML report generated by the 'Export PDF Info' task. This includes the screen set name and properties like Angle, Colorant, Dot Name, Frequency and DGC. The information saved in the XML report corresponds to the 'Screen Sets' panel in the 'File Info' dialog.

4.1.17 Viewing Normalized PDF files as in PackEdge

The Viewer configuration panel now allows to set a separate Viewer technology for PDF and Normalized PDF.

With this change it is possible to view PDF files as in ArtPro+ while still viewing Normalized PDF files as in PackEdge.

4.1.18 Load history

There is a new ADMIN page (in the browser client) in which an administrator can see the history of the load on the AE server software.

A graph shows the number of concurrent tasks executing (CPU queue length), concurrent connections, viewing and nesting sessions over a selected time period. These graphs can help a customer understand whether the capacity of the server is still adequate.

4.1.19 File actions in My Workspace

A My Workspace user can now copy, move and duplicate files or folders.

4.1.20 Improved UX of To Do items in My Workspace

My Workspace users can now easily compare 2 files from within a To-Do item.

There is a 'Show/Hide details' button to limit the amount of information.

4.1.21 Compare products in My Workspace

There is a new 'Compare To' action on a Product in the Products overview to make it possible to compare with a Product that is not in the same filtered view.

4.1.22 Flexo Engine - Solvent Saver grid pattern

It is now possible to choose between a solid fill (default) and a grid pattern for Solvent Saver. Selecting a grid pattern will prevent curling of the plates but will save a bit less solvent.

4.1.23 Flexo Engine - Improved plate merging algorithm

Some improvements to the merge algorithm were done resulting in lower plate waste.

4.1.24 Flexo Engine - Layout proposal editor

There is better visual guidance when manually optimizing merged plates with staggered cut layouts: press plates now turn to red when cut lines are starting to cross the plate edges and when the user moves press plates with outside labels on top of each other.

4.1.25 Flexo Engine - Merge queue names now also available in the rules for setting up margins

In the Plate Merger configuration, the rules for setting up the margins can now also be based on the name of the merge queue.

4.1.26 Flexo Engine - Expose right margin option

An option to 'Expose right margin' was added to the Plate Margins settings in the Plate Merger. Exposing the right margin is a requirement for CrystalCleanConnect workflows.

4.1.27 Ticket size

For optimal performance, workflow tickets need to be kept small. The ticket size *should* not exceed the limit of 1.9 MB (for Automation Engine SaaS the size *cannot* exceed that limit).

When saving a ticket with a size greater than this limit, a warning will pop up (for Automation Engine SaaS, an error will pop up). The Tickets View now has an extra column to show the ticket size (Note: ticket size is not shown for job tickets).

There is a dedicated [section in the user manual](#) describing some good practices to reduce the ticket size.

4.1.28 Workflow builder warnings

In the Workflow Editor, the functionality of the 'Validate Workflow' tool has been moved into a new 'Warnings' pane.

New features were added to help a workflow builder clean up a workflow and reduce the ticket size. It is now possible to:

- delete unreachable nodes
- detect and delete unused public parameters

Note: for performance reasons, the check for 'Unlaunchable Nodes' was removed from this tool (example: a report template that is not set in the 'Create PDF Report' ticket).

4.1.29 Workflow token limit

Too many tokens will affect overall performance and stability. Often, high numbers of tokens are reached by accident (example: due to (an) unexpected (number of) input files). As a safety mechanism, a workflow token limit was introduced.

A new setting limits the number of tokens that can exist within one workflow. When going past the limit, that workflow will be automatically cancelled.

The limit is set to 10.000. Increasing the token limit beyond the default is still possible in a new configuration tab but is strongly discouraged. There is a dedicated section in the user manual that explains [how to avoid excessive amounts of tokens](#).

4.1.30 E-mail Accounts for outgoing mail

Gmail and Exchange e-mail accounts can now also be used for outgoing mail.

You can set an e-mail account for outgoing e-mail in the 'E-mail Configuration' panel of the Configure tool. E-mail accounts can be configured to only be used for outgoing e-mail with the toggle 'Use for Access Points'.

4.1.31 Set Share & Approve approval master

It is now possible to set the 'Approval Master' in the 'Start Approval Cycle on Share & Approve' task. This is a registered user that can force approve/reject.

4.1.32 New bag types in Resize Shape task

The 'Resize Shape' task was extended with support for 'flat bottom bag' types (with a new parameter 'side length').

Additionally, the parameter presets for 'two-piece sachets', 'quattro seal bag (with back seal)' were added/updated to be in line with Studio Toolkit.

4.1.33 Search on SmartName content

It is now possible to do a search on the content of a SmartName.

4.1.34 Improved XML reports on Gang Run Layouts

The XML reports for the layouts generated by the 'Export Gang Run Layouts (Classic)' now contain the yield as a percentage, the waste as a surface and the waste as a percentage.

4.1.35 HTTPS for Server Admin

It is now possible to configure HTTPS as protocol to connect to the 'Server Admin' pages. Additionally, using Server Admin remotely can now be switched off.

4.1.36 PitStop update

Automation Engine now comes with an integrated PitStop 2022 update 1.

4.1.37 Updated GlobalVision SDK

An updated version of the GlobalVision SDK was integrated to be in line with version 5.12 of Global Vision's desktop application.

4.1.38 Dot Name in File Info dialog

The 'File Info' dialog for digital films (RIP'ed data) now shows the full name of the dot shape.

4.1.39 Changed behavior for the Can Run Tasks option in Server Admin

The option 'Can Run Task' (Server Admin/Server Setup) is now always active on the Automation Engine master server. With a typical workflow having a lot of administrative tasks (Copy or Move File, Select File, ...) and few graphic tasks (Optimize PDF, Trap, ...), the option to not run tasks on the master server resulted in poor load distribution to the assistant servers. The option was no longer honored on the master server in 22.07 and 22.11 and that is now also reflected in the user interface.

4.1.40 CPU queue is set to Dynamic for clean installations

As of now, the CPU queue will be set to Dynamic mode for new installations. Dynamic mode is recommended over Static mode as it prevents the system from overloading itself. Customers upgrading from an older version of Automation Engine will not be affected by this change (but are advised to make the switch themselves).

4.2 Imaging Engine

4.2.1 New APPE version 6.1

Imaging Engine 23.03 contains the new APPE version 6.1.

4.2.2 Support for Dynamic Marks with output parameters (Mark set from AP+)

Imaging Engine tasks support Dynamic Marks, you can make the choice in 'Type of Marks' between Dynamic Marks and SmartMarks (Classic).

Normalized PDF files only work with SmartMarks.

In this version Dynamic Marks with output parameters can only be made in ArtPro+, not yet in DeskPack.

4.3 Bitmap Viewer

There is no new version of Bitmap Viewer.

4.4 Pack Proof

4.4.1 Proof server update

Esko Proof server is updated to the newer XF Fiery 7.3.3 version.

4.5 Color Pilot

4.5.1 Updated PANTONE+ Solid Coated and PANTONE+ Solid Uncoated ink books

224 new mixed colors and 5 new basic colors were added:

- <https://www.pantone.com/color-tools/physical-color-tools/graphics>
- M0, M1, M2 and M3 ink books updated
- ArtPro+ CMS database updated (“Standard Color Engine Data”)
- AE CMS database updated
- HP conversion tables updated:
 - o HP EPM CMY emulation
 - o HP Indigo CMYKx 1.0 / HP Indigo CMYKx 1.1
 - o HP IndiChrome 1.0 / 1.1
- Esko Cloud (Use by Color Trace): Update planned for a future release

4.5.2 PantoneLIVE updates

2 libraries are renamed:

- ‘PANTONE Solid Coated-V4’ to ‘PANTONE Solid Coated’
- ‘PANTONE Solid Uncoated-V4’ to ‘PANTONE Solid Uncoated’
- See [KB405022077](#) on how to deal with renamed ink books

224 new colors are added to the PANTONE Solid Coated and PANTONE Solid Uncoated libraries:

- <https://www.pantone.com/color-tools/physical-color-tools/graphics>
- A manual action / patch is required for Color Trace users > please contact Esko Support

4.6 Print Control Wizard (Printing Conditions)

4.6.1 Chart size improvements

It's now possible to define the width & repeat length of the test chart: the chart is split in a more optimized way into parts taking the specified size into account.

The chart contains extra marks (along bearer bars and footer). Bearer bars are put on full repeat length.

4.6.2 Extra page to check plate

After making plates and before printing the calibration chart, an extra page is added to check the plate quality with the dot fail check.

4.7 Curve Pilot, HD Flexo Screens and ScreenManager

No new features compared to 22.11.

5. Known Limitations & Important Changes

5.1 General

5.1.1 Soon outdated ink books

Following ink books have become end-of-life and will be removed in a future Esko Software release:

- Toyo94
- TOYO Color Finder
- PANTONE GoeGuide Coated
- PANTONE GoeGuide Uncoated
- PANTONE Colors Matte

5.2 Automation Engine

5.2.1 Automation Engine SaaS: agent connections need to be recreated

As of version 22.11, Agents connect to the Automation Engine SaaS server with a new kind of access tokens: user-based tokens. See release notes of Automation Engine 22.11.

As of this version (23.03) Automation Engine SaaS will no longer support agent tokens generated before 22.11. Agent connections using old tokens will no longer work but can be simply fixed by removing the connection and creating a new one.

5.2.2 Soon Outdated: 32-bit ODBC SmartNames and External Databases

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.

6. Solved customer issues

6.1 Automation Engine

Following customer reported issues are solved in **Automation Engine 23.03**:

Case Number	ID	Description
CS01635594	AE-26329	In some rare cases it could happen a merged plate was sent multiple times to a CDI, which generated multiple jobs on the CDI.
CS01631833, CS01587121	AE-26225, AE-25043	Integration with WebCenter: When a WebCenter with AWS S3 storage interacts with Automation Engine (OBGE) and when this involves data transfer from S3, temporary downloads on Automation Engine may not be cleaned up as expected.
CS01631448	AE-26220	Fix for selecting a separation in a public parameter in My Workspace that resulted in an empty value being added to the table instead of the separation name.
CS01631051	AE-26230	Set exit state for workflow on canceled when auto-canceled.
CS01630792	AE-26222	Patterns and gradients in resized file marks are transformed properly.
CS01630665, CS01629551	AE-26207, AE-26171	Warping problem is no longer occurring in the current version.
CS01629655	AE-26239	Applying SmartMarks with a keep away distance on CAD based PDFPLA files could - in very special circumstances - corrupt the CAD layer in the PDFPLA file.
CS01629640	AE-26277	File info on PDF+ files was sometimes missing separations (when these were used in processing step 'Legend' and only in objects at 0% in other layers).
CS01629289	AE-26185	Fixed intermittent connection issue with Agent.
CS01628583	AE-26104	Getting info on bar codes was not always listing all bar codes (bar codes in re-used forms were only reported once).
CS01627233	AE-26073	Step & Repeat tasks will produce optimized output (no live marks or grids) when distortion is applied immediately.
CS01626352	AE-26072	Job Parameters with case-insensitive compared equally same name, are only processed once, case preserving.
CS01626272	AE-26044	In Flexo Engine Plate Merger, the required press plate count that triggers the merging process to early-out was changed to more than 50 (instead of 20) to prevent users not getting enough merging proposals too soon.
CS01626009	AE-26055	Roll-Fed Labels workspace: creating a finishing output could fail due to rounding errors (when die height was slightly smaller than the finishing repeat length).
CS01624672	AE-26218	Uploading files larger than 4 GB from the Pilot to Automation Engine SaaS did not work.
CS01623637	AE-25973	In case the one-up graphics didn't contain stroked die lines, the S&R CAD based task would sometimes incorrectly rotate the one-up by 180 degrees.
CS01623445, CS01622347	AE-25983, AE-25918	Mapping between processing steps in PDF+ and ink types in normalized PDF was not 100% reliable. This issue has been resolved and inks used in White processing step will be now recognized as normal instead of technical. This should match the information displayed in Document Inks.
CS01622663	AE-26049	Create PDF Report: recognizing containers starting with the same letters has been fixed.
CS01621768	AE-25992	Usage tracking may run into trouble when the Automation Engine server has no internet access, which in turn may cause tasks to stall.
CS01621595	AE-25900	It is now possible to set the winding in a duplicated product in Roll-Fed Labels workspace without having to save the product first.

CS01621526	AE-25899	Fixed problem with product linked to To Do not being shown in To Do list in Roll-Fed Labels workspace.
CS01621132	AE-25987	Apply PDF Action List task will use non-blocking TrackerServer connection for reporting usage events. This will avoid delays/crashes of the task in case the TrackerServer is not running correctly.
CS01620457, CS01605439	AE-25863, AE-25748	Prepare for WebCenter viewer task generated black background for RGB image with alpha.
CS01619946	AE-25963	Export nested layouts sometimes failed to exclude the inks used in die shapes from the print PDF file (happens when multiple similar inks appear in the layout).
CS01619328	AE-25837	Show file not found or file not accessible error message when a configuration backup failed because of such an error.
CS01619163	AE-25846	Fixing problem with BG_IllegalURLFileName error in Add Dynamic Marks in case the output name contains a slash character for example. The part of the output name up to the last slash will now be added to output folder path (similar to GUI behavior). There is now also a new message in case output path resolving fails.
CS01618166	AE-25805	Interact using JDF/JMF task via the Agent did not work when the JMF Controller address contained SmartNames.
CS01617636	AE-25800	Add Dynamic Marks: unintentional re-generation of input artwork has been prevented.
CS01617447	AE-25785	Roll-Fed Labels workspace: buttons of die slide-out are now disabled when uploading a die file when adding a die from within a production job.
CS01617297	AE-25883	Dynamic Marks containing external file mark will be regenerated much faster.
CS01617152	AE-25782	Plate Merger Proposals - Dragging a press plate with a label specified, inside any other image is not allowed anymore (press plates get red overlay).
CS01615660	AE-25767	Problem that prevented Step & Repeat Template task panel from showing parameters when editing a ticket in workflow with input file selected was fixed.
CS01613188, CS01601704, CS01608143	AE-25765, AE-25352, AE-25537	When 'Merge Similar Inks' is enabled in Configure - Viewer, the file is locked after viewing a PDF file (as in ArtPro+).
CS01611998	AE-25711	Flexo Engine: cut lines are now taken into account when moving images outside of plate limits.
CS01611103	AE-25621	Roll-Fed Labels workspace: fixed issue where switching away from a page before content is loaded and switching back, resulted in page showing spinner forever.
CS01611024	AE-25613	VPS files which were prepared for viewing were no longer shown as a composite image in the viewer.
CS01610791	AE-25744	Gang run nesting of images and 1bit tiff files failed.
CS01610711	AE-25715	Fixed problem with wrong font being used on web pages inside Launch workflow panels in DeskPack and ArtPro+ after installing a new font on the system.
CS01610405	AE-25603	A tool from Microsoft that is used during the installation of the software (handle.exe) was updated because the certificate on the driver (PROCEXP152.SYS) inside it was expired.
CS01610308	AE-25623	My Workspace: Opening a folder checks if it belongs to a product data zone. This went wrong when there was no appropriate products license on the system. Now, checking the product data zone is no longer done in this case.
CS01609507	AE-25612	Create Tiles (Classic): split overlap was not working: overlaps were only generated on 1 side.
CS01609235	AE-25562	Roll-Fed Labels workspace: renaming a SRT or PDF based die failed.
CS01609019	AE-25792	Improved saving files. A double check is introduced to ensure that the input file is not locked when it is about to overwrite itself.
CS01608154	AE-25554	Template Based Step & Repeat (classic) task: assigning graphics to stations failed in case the 1up graphics were based on an inside

		ARD and the MFG consisted of the corresponding (mirrored) designs.
CS01607784	AE-25571	The Layout Proposals view in Flexo Plate Merger is now showing a set of proposals again for each plate size specified independently from the overall waste figures.
CS01607528	AE-25536	Issues resolved with XPS exposure when the merged plate was produced by Flexo Engine.
CS01607408	AE-25512	Roll Fed Labels, Product previews: speed of loading previews for Products has been improved, also fixing problems with previews not being correctly updated when file is replaced by updated file + fixed some unnecessary re-fetching for previews that haven't changed.
CS01606926	AE-25710	For the Create Merged Plate task, the number of tasks that can be handled simultaneously by one instance (process) is now limited to 2 by default. Also a more realistic maximum memory limit of 128 MB for an instance is applied.
CS01606713	AE-25509	The maximum number of characters for an external URL in a wait for action task has been increased from 512 to 2048.
CS01606523	AE-25462	In ArtPro+ or in any non-classic Automation Engine task, when saving an image without color channels but with an opacity channel, that opacity channel was incorrectly positioned in the resulting PDF file. This resulted in wrong output on a RIP.
CS01605426	AE-25427	Plate Merger Layout Proposal's Load More plates functionality now also takes the device into account when 'Allow different devices and rotations' flag is disabled. Load More will not load press plates anymore that don't belong on the device linked to the proposal.
CS01605067	AE-25424	If clicking Load More in the Layout Proposals, the preview and beam calculation of the Test Strip was lost, resulting in number of beams being reset to 4 and no preview anymore for the Test Strip.
CS01604986, CS01595678	AE-25419, AE-25221	Pilot - Tasks View: A 'Force Quit' action may fail to stop the selected task properly.
CS01604145	AE-25386	For TIFF Devices, the output size was not taken in account the size specified in the merger queue, but was always taken the size of the Device itself.
CS01603673	AE-25401	The roll-fed labels production workflow with AVT AutoSet integration enabled: the AutoSet workflow failed to start.
CS01603661	AE-25371	ServerAdmin: fixed a potential security issue.
CS01603498	AE-25362	It was not possible to use an Automation Engine Agent with a space in its name to subscribe for JMF signals.
CS01603214	AE-25449	SFTP might work better when NOT using the proxy (as set for https).
CS01602666	AE-25411	Gang run of ARD files with design side = inside was placing the insides of the ARD (instead of the default print side = outside). When doing a MFG cutting export, these designs were placed with a wrong offset.
CS01600759	AE-25332	The insert ArtPro task could crash when using an ArtPro file with CT.
CS01600535	AE-25313	File info on PDF+ files: processing step separations were always shown as transparent, now they show opaque if opaque inks are used.
CS01600534	AE-25372	Configure External Database: in case an agent is specified, the driver jar browse button for database type = "Other" is made invisible.
CS01597445	AE-25274	Gang run output in case of nesting more than 65 front/back graphics, the backside graphic of graphic 65 could be wrong.
CS01595424	AE-25353	In very specific circumstances, database query SmartNames may not resolve properly.
CS01595008	AE-25187	Some workflow tickets which contained illegal values could not be selected in My Workspace, but gave no problems in the Pilot. They are now also accepted in My Workspace.

CS01593906	AE-25125	Gang run nesting: the option to overrule the minimum fill x minutes before due date was ignored for adapted entries (nesting was always based on the job's actual due date).
CS01593485	AE-25120	Fixed an issue when SmartNames are resolved by a ticket panel in a SaaS context. For example in the Step & Repeat Tabular ticket.
CS01592929	AE-25094	Creating Jobs could fail due to 'Arithmetic overflow error converting IDENTITY to data type int'.
CS01590257	AE-25056	The 'Prepare for WebCenter Viewer' task could fail with fatal error intermittently.
CS01586419	AE-24906	Flexo - Plate Merger: in very specific circumstances, the layout proposals may be clearly sub-optimal.
CS01585316	AE-24974	Sending less Red Alert mails on database failure.
CS01584788	AE-24838	The Inspect Spelling task is detecting both lowercase and uppercase differences by default now.
CS01583869	AE-24865	Step & Repeat CAD based (Classic) task could fail on MFG templates with inaccurate designs (where end points of line segments don't meet).
CS01583147	AE-24817	The PDF Normalize On Demand task used before some classic Automation Engine tasks (example: PS-Fix) might result in a normalized PDF file having unexpected technical inks for some separations. This might happen when the same separation was used in an artwork layer and also used in a processing step layer, but with different halftone settings. In this case the separation might be wrongly converted to a technical ink.
CS01580489	AE-25437	OBGE issue: when a PDF contains incomplete Esko XMP (i.e. missing vsize & hsize), the document metadata in WebCenter showed width and height of the document as zero and annotations as missing.
CS01579509	AE-24991	The 'Export to Normalized PDF (classic)' task did not error out on missing fonts when activating option 'fail when fonts are not found'.
CS01573628, CS01531896	AE-24502, AE-23415	The Inspect Barcodes task sometimes reported wrong grading (quiet zone issue).
CS01536168	AE-23513	Flexo Engine - auto merge issue no longer reproducible.
CS01427820	AE-20635	Inspect Barcodes task: GlobalVision did not find the barcodes when the MediaBox of the PDF was changed by Optimize PDF or Optimize and Clean tasks before in the workflow.
CS01420119	AE-20632	Viewer rendering: improved support for graphical attributes used in S&R files.
CS01285961, CS01271024	AE-17795, AE-17501	Viewer: No artifacts are showing up anymore when zooming in on ArtPro files (Viewer settings set to "view as in ArtPro")

6.2 Imaging Engine

Following customer reported issues are solved in **Imaging Engine 23.03**:

Case Number	ID	Description
CS01593574	CAL-9733	Incorrect output when using HD screening in combination with seamless.
CS01629829	IE-22941	LENX files that are the result of Applying a Plate ID via the Apply Plate ID task cannot be viewed in the Bitmap Viewer.
CS01618473	IE-22829	RGB values in output XMP from wrong ink-book (ink-book in XMP is correct).
CS01620575	IE-22790	Report Dynamic Mark using external file mark fails "Illegal character in path at index 9".
CS01615552	IE-22684	Native PDF including XMP screening - IE ticket with public parameter shows wrong info.
CS01609076	IE-22595	The screen dots list in IE RIP ticket does not list all screens that are available.
CS01603222	IE-22558	A thin line occurred in the 1bit TIFF output in v22.11 with fine line rendering option.
CS01600014	IE-22453	Curves from AP+ screen set, are not shown in IE ticket preview (but used correctly in the output).
CS01568012	IE-21991	FineLineRendering + rotation is causing hairline in output.
CS01560710	IE-21884	New EFI Proof Server errors out with "inverting Singular Matrix" (APPE) or "limitcheck" (PS) when auto-rotation dot proofs.
CS01469353	IE-21982	SmartMarks specified in the RIP ticket shows the default dot instead of the used dot.
CS00545181	IE-21980	SmartMarks not accurate on Imaging Engine vs FlexRip.

6.3 Bitmap Viewer

There is no new version of Bitmap Viewer.

6.4 Pack Proof

Following customer reported issues are solved in **Pack Proof 23.03**:

Case Number	ID	Description
CS01560710	IE-21884	New EFI Proof Server errors out with "inverting Singular Matrix" (APPE) or "limitcheck" (PS) when auto-rotation dot proofs.
CS01608734	IE-22561	In EFI Verify: The "Patch layout" reading verification charts have a different layout than expected.
CS01477868	IE-20640	Proof Server: Cannot verify (manually) with i1Pro3 (charts don't match).

6.5 Color Pilot

Following customer reported issues are solved in **Color Pilot 23.03**:

Case Number	ID	Description
CS01607737	CEP-13537	Color Pilot crash when importing CxF files from Pantone Color Manager.
CS0159506	CEP-13436	The Equinox conversion in 22.07 is different compared to 21.03 (extra inks are used).
CS01561042	CEP-13127	Color Pilot calculates an Equinox conversion while there is a better conversion possible with a lower dE.

6.6 Print Control Wizard (Printing Conditions)

Following customer reported issues are solved in **Print Control Wizard (Printing Conditions) 23.03**:

Case Number	ID	Description
CS01606470	CAL-9838	PCW crashes after measuring and creating the adjustment curve.
CS01605573	CAL-9830	PCW: calibrating first white separation and then generating the chart with quick calibration results in 1 output file iso 2.
CS01602741	CAL-9781	PCW: Tone Value patch looks different between len file and one in the SW interface for measuring.

6.7 Curve Pilot, HD Flexo Screens and ScreenManager

Following customer reported issues are solved in **Curve Pilot, HD Flexo Screens and ScreenManager 23.03**.

Case Number	ID	Description
CS01611366	CAL-9938	Incorrect output for an HD Flexo screen with screen database 4798.