Automation Engine, Imaging Engine, Pack Proof, Color Pilot and Curve Pilot 22.03 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 22.03. It only covers the changes since version 21.11.

If you are updating from version 21.07 or earlier versions, we advise you to read the release notes of all versions between your current version and Automation Engine, Imaging Engine, Color Pilot and Curve Pilot 22.03. You can find these on the corresponding product installer media.

1.1 Contents

2. Licensing and System Requirements

2.1 Licensing

Automation Engine, Imaging Engine, Pack Proof, Color Pilot and Curve Pilot 22.03 require new version 22 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 21.11:
- Added support for Windows 2022
- Added support for Windows 11 for Imaging Engine and Pack Proof
- Removed support for Windows 2012 and 2012 R2 for clean installations
    - Upgrades of existing installations are still possible
- Removed support for Windows 8.1

Changes that can be expected in *a next* version:
- Dropped support for macOS Mojave as a client platform

Note on FlexRip: The FlexRip version included in 22.03 (FlexRip 14.0.10) is no longer supported on the following operation systems: Windows Server 2008, Windows 2008 R2, Windows 7.

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
KB341861822	**Plate ID – Components and versions:** This article 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:** This article lists which versions of Automation Engine are compatible with which versions of DFS/PlatePrep (CDI).
KB288327774	**Automation Engine – Compatibility with Grapholas:** This article lists which versions of Automation Engine are compatible with which versions of Grapholas (CDI).
KB288327758	**Automation Engine – Compatibility with iPC:** This article lists which versions of Automation Engine are compatible with which versions of iPC (Kongsberg).
KB76723863	**Automation Engine - PitStop Server Compatibility Matrix**
KB185615059	**FlexProofE, 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.**
KB361613907	**Pack Proof - How to upgrade to version 22.03 and restore a backup.**

4. New and changed features

4.1 Automation Engine

4.1.1 Product storage on Esko Cloud for Automation Engine SaaS

Automation Engine SaaS customers can now store Products on less expensive Esko Cloud storage. Pilot and My Workspace users can access 'Products on Esko Cloud' via a dedicated view.

A Product still must be downloaded to Automation Engine SaaS if it needs to be processed by a workflow. There is a new set of tasks to enable this: 'Upload Product to Esko Cloud', 'Download Product from Esko Cloud' and 'Delete Product on Esko Cloud'.

4.1.2 'Classic' tasks

A '(Classic)' suffix was added to the name of all BRIX, ArtPro and Enfocus based prepress tasks. A list of what those tasks are can be found in 'Which Automation Engine task uses which technology'.

This was done to help users build a PDF native workflow with ArtPro+ based PDF tasks (as Classic tasks can break constructs like screen sets, processing steps, marks, ...).

Additionally, this helps to maintain a clear naming of the new ArtPro+ based PDF tasks. For example: the PDF native equivalent of 'Merge PDF Files' was named 'Merge PDF Files' while the former task was renamed to 'Merge PDF Files (Classic)'

Additionally, the suffix '(Dynamic)' suffix was removed from the name of following tasks:
- 'Step & Repeat CAD based (Dynamic)'
- 'Step & Repeat Tabular (Dynamic)'
- 'Step & Repeat Template based (Dynamic)'
- 'Export Step & Repeat to JDF Layout (Dynamic)'

4.1.3 New 'Merge PDF Files' task

There is a new ArtPro+ based task to merge pdf files. The existing task remains as is and was renamed with a '(Classic)' suffix. Especially when working with PDF+ files we advise you to replace the old task in your workflows.

4.1.4 New 'Preflight Color for Digital Printing' task

There is a new task that checks color based on the actual file's graphical content: 'Preflight Color for Digital Printing (Content based)'.

The existing Preflight Color task that checks color based on solid ink data remains as is and is renamed to 'Preflight Color for Digital Printing (Ink based)'.

4.1.5 Updated ArtPro+ based tasks

There is a new option to expand placed art in the 'Optimize PDF' task.

The 'Optimize Output for VDP' function in the Step & Repeat tasks was extended with a new 'Automatic' mode option (choice then based on task input). This is available for both tabular and template-based step & repeat.

The 'Step & Repeat CAD based' task now has a way to define how to import Cut, Crease and Dimension lines.

4.1.6 Support for new and updated PDF Actions

New Actions:
- 'Apply PDF+ mark set'
- 'Warp using Warp Grid'
- 'Apply Warp Actions'
- 'Apply Screening Set'
- 'Remove Unused Screen Sets'
- 'Select Default Screening Set'
- 'Select Separation by type'

Improved 'Conditional Action (If… Then…)': with more conditions and top-level operators (all, any, none) and an enhanced step-through can step into actions for debugging.

A 'Transform each' option was added to transformation actions Mirror, Rotate, Scale and Shear.

Various GUI improvements were done including easier selection of marks, barcode type or files in the 'Apply PDF Action List' task.

4.1.7 Compare in My Workspace Viewer

Comparing files in the Viewer is now also available in My Workspace.

4.1.8 Output parameters in the 'Interact with Web Service' task

Simplify your workflow by directly mapping a REST call result into workflow parameters.

4.1.9 'Open With' in a To-Do

Choose which application to use when opening a file from within a To-Do message.

4.1.10 Language for unregistered Share & Approve users

In the 'Start Approval Cycle on Share & Approve' task, set the language for unregistered Share & Approve users using the dedicated language selector or by adding the language code in the 'Approver' e-mail field (for example: jeanne@brand.com|fr, juan@brand.com|es).

4.1.11 Pitstop update

The 'Preflight with PitStop' task now uses PitStop 2021 Update 1.

4.1.12 Re-introducing the in-workflow nesting tasks

The tasks 'Add Parameters for Nesting' and 'Create Nested Layout' are re-introduced in version 22.03 to simplify workflows that do not require a gang run printing queue.

For that reason, some task names and icons have been updated:
- 'Export Nested Layouts' is renamed to 'Export Gang Run Layouts'
- 'Import Substrate Sizes from XML' is renamed to 'Import Gang Run Substrate Sizes from XML'

4.1.13 SmartNames modification date and user

The SmartNames view has 2 new columns to simplify management
- Modification Date
- Modified By

4.1.14 Run PowerShell scripts

The Script Runner now has support for PowerShell scripts.

4.1.15 New imaging technologies in the 'Submit to Plate Merger' task

The following XPS imaging technologies have been added to the 'Imaging Technology' list of the 'Submit to Plate Merger' task:
- Speed XPS
- Standard XPS

Important note: the installed Grapholas version on the CDI needs to be version 20.1.8 or higher to have a fully functioning workflow for these options.

4.1.16 Enhanced 'Create Flexo Plate Cutting Paths' task

The 'Create Flexo Plate Cutting Paths' task was updated with an option to set a 'minimum corner radius' and an option to set the cutting path strategy to 'Prefer stagger pattern' or 'Optimize plate usage'.

4.2 Imaging Engine

4.2.1 Screen angles and rulings from native PDF are now respected

The value of the option 'Use From File' ('Separations' tab) allows to use screen angles and rulings from the input PDF fil. Before Imaging Engine 22.03, angles and rulings from file could only be used if the PDF file was written by Esko (and had proprietary Esko screening information). From version 22.03, these values can be used from any PDF file that contains them.

4.2.2 Improved 'Calculate Ink Key Settings (CIP3)' task

The following Heidelberg proprietary CIP3 parameters were added to the 'Paper Data' tab:
- Add paper parameters for Heidelberg presses
- Paper Name
- Paper Type Front
- Paper Type Back
- Grain Direction

The new option 'Add ink Lab values' in the 'Production Data' tab makes it possible to also include the Lab values of the selected inks in the CIP3 (*.ppf) file.

4.2.3 Digital Film Set XMP Data for PDF(+) input files

Following keys that were sometimes missing in the Digital Film Set XMP data inside the output files of Imaging Engine when the input file was a PDF(+) file are now always added as well:

- printingmethod
- inknrsoriginal

4.3 Bitmap Viewer

There is no new version of Bitmap Viewer.

4.4 Pack Proof

No new features compared to 21.11.

4.5 Color Pilot

4.5.1 Ink Books

The creation of RDB based ink books (old format, purple icon) is not possible anymore. The intention is that the user cannot, in any possible way, create a new RDB ink book in Color Pilot. This to encourage users to move to the new and improved JSON based format which is much less susceptible to corruption.

4.5.2 Equinox Color Strategies

Equinox color builds are now better and more accurate when using a multicolor icc profile as output device.

A new "Import Color Builds" function is added to import GMG color builds.

4.5.3 Digital Presses

The date and time stamp is added to charts sent from Color Pilot to the DFE.

The ink percentage is added above the patches of ink limitation charts.

Rotation of ink limitation charts is now possible.

4.5.4 PantoneLIVE in Automation Engine SaaS

It is now possible to synchronize PantoneLIVE libraries in Automation Engine SaaS.

4.5.5 Profiles

When making a press profile that is synchronized to a printing condition, information about the highlight area is added. This information is used when converting through the profile, simulating your flexo press on the proofing device or digital press (bump is simulated). This is done in background, not visible in the interface.

4.5.6 Profiles on Esko Cloud (Prerelease)

Storing Esko Profiles on Esko Cloud is available as a prerelease feature. Contact steven.dobbelaere@esko.com if you want to participate in this prerelease.

4.6 Print Control Wizard (Printing Conditions)

4.6.1 Improvements UX

Mandatory fields are now indicated with a yellow star.

4.6.2 Filtered plate list for each application

Depending on which application is chosen (Flexibles, Labels, Corrugated) you will get the according plate list with the available plate thicknesses.

4.6.3 In the Plate type field, it's possible to fill in any plate type

You can type in any plate type in case your plate is not in the XPS certified list yet or if you use a bank exposure unit.

4.6.4 Select basic dot for Corrugated Standard Post Print

In previous versions the Corrugated Standard Surface Screen patterns always used the C dot. Now you can choose your basic dot (R, C, E or F).

4.6.5 Corrugated HQPP: Printing Standard default on 'cmyk_Linear color'

When making a new printing condition for Corrugated High Quality Post Print, we selected already a good printing standard. The 'cmyk_LinearColor' is a linear curve which is good for corrugated printing.

4.6.6 Optimized Plate & Press Calibration Wizard

2 calibration charts for plate and press have been renamed, indicating clearly the purpose: 'Plate verification chart' and 'Steptest chart'. You only need to print the Steptest chart as this contains now also the basic dots.

4.6.7 Save Report available for unfinished printing condition

Even if your printing condition is not finished, you're able to create a Report. This will contain the status and the unfinished work.

4.7 Screens and Curve Pilot

4.7.1 Better way for Tools to connect with Automation Engine SaaS

There is no need for a local Automation Engine and Imaging Engine anymore when using Curve Pilot, HD Flexo Screens or ScreenManager. These tools can now be started from within Color Pilot.

Color Pilot connects to Automation Engine SaaS and downloads the resources via the Automation Engine Syncer like before.

5. Solved customer issues

5.1 Automation Engine

Following customer reported issues are solved in **Automation Engine 22.03**:

Case Number	ID	Description
CS00983360	AE-11003	The nesting algorithm has been improved to better re-use clusters of 2 graphics.
CS01004129	AE-11626	The transparency flattener in PDF export failed on images that were downscaled with a very large factor.
CS01072883	AE-13189	UI issue in Inks Public parameters control has been fixed, where it failed to save the value (and fall back to original) if only angles have been changed.
CS01149107	AE-14866	Automation Engine Viewer: The same alignment settings can be set on different pages.
CS01254568	AE-16965	Exporting layouts which have a width or height equal to 14400 pt were not triggering the activation of user units to bypass the maximum size limit in the Adobe PDF library.
CS01255136	AE-16983	When press plates become "rejected" because they are incompatible with changes made in the merge queue settings and no layout proposals could be generated because of that, the previous proposals get properly cleared now.
CS01263450	AE-17197	The Create Merged Plate task will now detect if the abs screentable.qual file that will be used is empty. If it's empty, it will be deleted and recreated automatically to prevent errors and a warning message will appear in the task's details.
CS01300787	AE-18258	AE PitStop Processor now supports encrypted device link profiles.
CS01335596	AE-18759	Working in the Files view of the Pilot could be slow when using files which were prepared for viewing.
CS01378120, CS01208645	AE-19751, AE-16003	MicroQR barcodes not readable in the Automation Engine Viewer.
CS01385389	AE-21370	The WebCenter viewer is now able to fetch the position and orientation of a structural design object in a PDF+ file and show a correct 3D preview.
CS01394275	AE-22795	Tabular S&R (Classic): when using left/right bleed, a hairline could become visible when viewing in seamless mode.
CS01415323	AE-20396	Export To Normalized PDF (Embed all) - fixed error "Maximum number of consumer savelevels reached" on specific file.
CS01425538	AE-20595	Inspect Barcode task could scan wrong barcode numbers in case of high BWR.
CS01436660	AE-20926	Gang run: minimum layouts nesting over different substrate sizes now reduces the number of different substrate sizes used.
CS01452155, CS01429697	AE-21367, AE-20676	Automation Engine Agent: Now listening for 'pong' messages coming back from the server to determine if the connection is still alive. If the server is unresponsive for a minute, the connection is deemed "dead" and the reconnection loop will kick in.
CS01455346	AE-21427	In some cases, the Prepare for Viewer task could fail with socket error.
CS01467853	AE-22391	Fixed an issue where the Pilot would no longer be responsive while handling a burst of file events.
CS01469340	AE-21653	Viewing multipage files with more than 10 pages failed with "NO_ACTIVE_VIEW_ASSISTANTS".
CS01470060, CS01471273, CS00649891	AE-21682, AE-21711, AE-5772	Using non-Western characters in file paths, no longer breaks Global Vision annotation reading.
CS01474173	AE-21917	Export to 3D failed when some ARD files were used as structural design object (in particular: ARD files containing mates).

CS01477030	AE-21906	In some cases, the Object Screening tool in the Automation Engine Viewer showed different results than in ArtPro+.
CS01483835	AE-22179	Export to PDF of files with large images could fail with 'buffer too small' error message.
CS01485545	AE-22121	ReportMaker: when SmartMark objects were anchored to a [taskinputfile] which was placed with its media box and with the option 'hide trap layers', this object's position did also take objects from the input file outside the media box into account.
CS01486544	AE-22308	It is now possible to send input files with file paths containing ';' characters (typically in the file name) to a Run Script task executing a Windows Script. Previously, the list of inputs injected into the script could be incorrect when one of its paths contained a ';'.
CS01486807	AE-22165	In some cases, SmartNames based on regular expressions were not resolving.
CS01487382	AE-22166	When comparing two files in the Automation Engine Viewer, hidden layers were shown.
CS01487660	AE-22163	SmartFlapping in classic S&R tasks was not handling bleed overlaps correctly in case die shapes were touching in 1 single point (no common cut lines).
CS01488316	AE-22239	Attempt to give preference to running workflows over starting new workflows.
CS01488626	AE-22202	When comparing two files in the Automation Engine Viewer, non-printable layers were shown.
CS01489220	AE-22207	The "Create PDF Report" task on Automation Engine might fail on some files with error message "SEH exception c0000005".
CS01489954, CS01437445	AE-22233, AE-21128	The Viewer could incorrectly recognize soft masks as grayscale image alpha (when configured as viewing as in PackEdge).
CS01491513	AE-22281	When the scaling factors of a PDF+ Resize Mark were resolved to zero, the document could not be saved and the following message was shown: "An error occurred while trying to save the file to the selected. location. This could e.g. be caused by insufficient disk space or incorrect permissions.". This has been fixed and the document can be saved, even when the scaling factors of the PDF+ Resize Mark are zero.
CS01491944	AE-22261	Improved stability during SmartName evaluating.
CS01492258	AE-22298	Workaround exists (by fixing AI mark set template) and check will be added to the next version to detect marks nested inside Custom mark to prevent this (task will fail).
CS01492654	AE-22485	File info on PDF+ files: screen set names are now shown with their full name ('Screen Set 1' is no longer abbreviated into '1') and the sequence of screen set names as defined in ArtPro+ is respected.
CS01495299	AE-22654	Upload to SFTP: For all known sftp sites up to now, the ./folder notation is needed so it was ensured/enforced, if not yet explicitly filled in in the folder field. With this fix/patch, prefixing the folder with @L will take the folder string as is, literally.
CS01496282	AE-22456	S&R of CAD based layouts: SmartFlapping could generated wrong bleed adjustments.
CS01496340	AE-22341	Fixed errors being shown in Details instead of showing actual details when doing a backup or a restore in ServerAdmin.
CS01498177	AE-22515	Reduce memory leaking in Nashorn (Javascript Engine in JVM 8) by instantiating only 1 instance.
CS01498519	AE-22402	When opening ArtPro files with tiffs that have an unsupported rotation, the workflow will give a warning message: "Picture contains a rotation that the application cannot honor. Please resave the picture without rotation to avoid unexpected results."
CS01499235	AE-22405	Archive Job generated zip file using default encoding for fasttrack.dat. In some cases, it was impossible to restore such a job.
CS01499459	AE-22613	Some PDF files with deeply nested groups could not be handled by the classic tasks (normalize, ReportMaker...).
CS01501148, CS01503659	AE-22458, AE-22502	When the digit symbol was set to a comma in the regional settings, it was not possible to use Dot Cleanup.

CS01501309	AE-22642	Fixed expanding of re-used placed arts that contain layers.
CS01501648, CS01506156, CS01504396, CS01504314, CS01504326, CS01502159	AE-22474, AE-22608, AE-22509, AE-22505, AE-22504, AE-22500	Fixed an issue where sorting on Type, Due Date or Creation Date in the To Do list would result in an empty table.
CS01503959	AE-22522	Products and jobs views in My Workspace are now only shown when the needed license is present on the AE server.
CS01504304	AE-22528	Allow unlimited number of connections from TaskManager into WFMgr.
CS01504550	AE-22526	Automation Engine Viewer - issue no longer reproducible.
CS01504697	AE-22579	Roll-fed Labels: fix error when approving or rejecting a product.
CS01504703	AE-22648	Create cut path by tracing edges of white pixels gave wrong result if PDF contained just an image with an alpha (transparency) plane.
CS01504904	AE-22516	Option to select on Barcode was no longer available in the ArtPro Action List Editor.
CS01505709	AE-22550	Fixed an issue with the "Interact With Web Service" task, where the "use chunked encoding" toggle was not taken into account when using the "PUT" method for uploading large files.
CS01507375	AE-22615	Job Sharing: fixed problem with filenames having a + character.
CS01507470	AE-22680	Improved accuracy of live view of the Queue Monitor.
CS01507564	AE-22671	The PitStopTask now observes CriticalFailures the same as Errors and NonCriticalFailures the same as Warnings for calculating the final Status of the task.
CS01507641	AE-22689	Automation Engine Viewer sometimes showed access violation when using the densitometer tool.
CS01508496	AE-22649	Exporting front/back gang run layouts: the align option was only applied on the front side.
CS01509426	AE-22662	'Add SmartMarks' failed when opening PDFPLA files with references to stations with rotated graphics.
CS01509786	AE-22674	Task is now using Job ID from the ticket to resolve Job properties (incl. Job barcode ones), lookup in proxy has been fixed. The original job ID provided at the start-up can be overridden using Select job component later in the workflow.
CS01509879	AE-22677	Made sure that merging press plate sets with "allow different (devices and) rotations" enabled results in merge proposals and solutions with fill percentages that are at least as good as or better than if "allow different rotations" would have been disabled for the same batch of press plate sets. This was not always the case and was indeed counter intuitive.
CS01510296	AE-22708	When dragging a file from the Pilot's Files view, a text data flavor is no longer provided. (Workaround for incorrect drag and drop behavior of Adobe Illustrator).
CS01510932	AE-22718	Adding SmartMarks could create a stack overflow in case of sets with deeply nested SmartMark objects.
CS01511188	AE-22707	My Workspace: fix inks not loading for ink selection public parameters when launching from a product.
CS01512316	AE-22735	FileServer was updated to filter out inks used to evaluate AE SmartNames based on file separations (NumberOfSeparations, SeparationNames, LongSeparationNames, NumberOfArtworkSeparations, ArtworkSeparationNames, LongArtworkSeparationNames). Only unique combinations of ink name, book and type will be used to evaluate these SNs. This will avoid inks that differ only by screening params.
CS01513769	AE-22808	'Export to 3D' task could result in wrong CAD/graphics alignment when working with PDF+ files.
CS01515016	AE-22827	Added support for "Show in Available Public Parameters" for parameters used inside a Preset.
CS01515166	AE-23007	The PDFFileInfoServer could return unused inks in case an image was used as stencil mask with 0% inks.

CS01516504	AE-22889	Publish on WebCenter task failed when input file contained double dot
CS01517634, CS01508268	AE-23012, AE-22658	In some specific cases, SmartNames could fail to resolve.
CS01517648	AE-22954	Router: reduced boundaries for comparison of dimensions (width/height).
CS01517956, CS01522388, CS01520441	AE-23047, AE-23044, AE-23006	Automatic update of the Pilot did not work when the user running BGMD had no internet access.
CS01519233	AE-22961	A crash issue was fixed in the PDFFileInfoServer component upon reading a PDF with incomplete information in the "OutputIntents" dictionary inside the PDF.
CS01519354	AE-23017	Create sheet layout: graphics could get assigned to the wrong stations in case graphics have no CAD info and the size difference between the blanks of the stations is less than 1 mm.
CS01519883	AE-22968	Exporting an imposition to PDF could result in incorrect output when the imposition contained a single-sided sheet and a separated output file per sheet was requested.
CS01520739	AE-23011	Template based S&R (Classic): warnings when replacing graphics in the template will now propagate to the task's state.
CS01520750	AE-22988	The Automation Engine Pilot could fail to start after a low level system error happened on the Automation Engine server
CS01521061	AE-23015	Gang run XML layout reports: number of sheet copies was not taken into account when calculating the number of remaining graphics.
CS01521488	AE-23005	My Workspace: search fields and buttons at top of the page now correctly resize and reflow based on the width of the browser window.
CS01522468	AE-23085	In a very specific case, a very long error message could be displayed when opening the list of products in My Workspace.
CS01522471	AE-23064	Create PDF report task produces document having color output profile of input file.
CS01522531	AE-23135	Upload to FTP: support to change protocol to isImplicit, support to enable reusing SSL session, improved logging.
CS01522951	AE-23181	Some minor warnings regarding colors in structural designs have been removed.
CS01523205	AE-23055	With the Manual Merger in Automation Engine mode, it was not possible to create a merged plate for CDI, using pixel+ as imaging technology in case Grapholas version was 20.0 or higher.
CS01523719	AE-23105	Classic tasks (example: 'Create PAF/JPG/XML (LinkEdge) (Classic)') could fail with 'system error 5' when reading PDF+ files with external references containing patterns.
CS01525197	AE-23167	Adjust page box by content takes strokes into account.
CS01526197	AE-23177	Fixed problem with getting to dos when there is no jobs license: server no longer checks for linked jobs for a to-do in My Workspace as it is not shown in UI anyway.
CS01526477	AE-23185	After having run Activate Server while some license features were missing, the Interact using JDF task failed when started on the assistant.
CS01526745	AE-23205	Fixed an issue where it was no longer possible to select the views in the Pilot when all views were removed.
CS01526818	AE-23208	Interact with SAP: fixed scrollbar issue for table type parameters.
CS01530802, CS01493364	AE-23348, AE-22293	Extract Inks: Printing method criteria to keep inks may not work according to expectations for PDF+ input (from ArtPro+).
CS01531676	AE-23371	Task was adapted to check transformations applied on S&R grid. If there is rotation/scale/shear detected task will fail and inform user about such template to prevent creation of invalid/undefined output.
CS01534091	AE-23406	Devices managed via the Automation Engine Agent did not show up in the Server Admin Network Checks.

5.2 Imaging Engine

Following customer reported issues are solved in **Imaging Engine 22.03**:

Case Number	ID	Description
CS01532104	IE-21496	Image to Screened Separations ticket: exception settings in Pilot were not applied if no "extra" click was done.
CS01516232	IE-21278	Problem installing IE 21.11: installer stops due to failure to mount the bg_data_dgc_v010 share
CS01508029 CS01508785	IE-21157 IE-21148	Image to Screened Separations ticket: issues when changing values for individual inks.
CS01510608	IE-21155	Text that should be 100% black is screened at 85%.
CS01503323	IE-21154	Add SmartMarks task did not adjust the document sizes in the Esko XMP, causing problems later in the workflow.
CS01507983 CS01356135 CS01379877 CS01492104 CS01465568 CS01498803 CS01491114	IE-21129 IE-19582 IE-20141 IE-20926 IE-20444 IE-21020 IE-20886	Connection issues.
CS01504832	IE-21078	Sending only one separation to Imaging Engine made the task end with an error.
CS01496466	IE-20952	A clearer error message is provided when ripping ends in error due to a corrupt CMS data tree.
CS01473821	IE-20888	Image to unscreened proof: technical inks disappeared when the used color strategy had "Custom Values" in the "Exceptions" tab.
CS01487471 CS01482234	IE-20815 IE-20712	Image to Screened Separations ticket: printing method information was missing in the XMP in case of PDF+ input.
CS01482148 CS01479675	IE-20717 IE-20716	Image to Screened Separations ticket: using Public Parameters to override screen angles was not working in 21.07.
CS01207430	IE-17772	Imaging Engine: 1-pixel shift in case of seamless.
CS01527350	CAL-8484	Error using printing condition in Imaging Engine Ticket: 'Could not retrieve printing condition data from server'.
CS01501598	CAL-8067	When Printing Condition is defined by SmartName in "Image to screened separations" task, the Minimum dot size is not taken into account in Dot Cleanup.
CS01452048	CAL-7972	Save Print Simulation (.view) files is not working as expected for the HD Flexo C56 - DuPont DPI - Labels screen.

5.3 Bitmap Viewer

There is no new version of Bitmap Viewer.

5.4 Pack Proof

Following customer reported issues are solved in **Pack Proof 22.03**:

Case Number	ID	Description
CS01471997	IE-20625	Pack Proof: no proof was made when input job had a Japanese name.
CS01438515	IE-20273	Pack Proof: Epson proofer printed a 'blurry' inline verification report. Updating to the latest proofer firmware solves this.
CS01501763	IE-21106	Pack Proof: Latest Verify version no longer allows verification using .csv files. Fallback to previous Verify tool is now available on request to still allow this.
CS01500939	IE-21048	Pack Proof: Xerox laser printer support missing in 21.03 content proofer.

5.5 Color Pilot

Following customer reported issues are solved in **Color Pilot 22.03**:

Case Number	ID	Description
CS01505642	CEP-12460	ICC profile imported with wrong name.
CS01503637	CEP-12420	GMG color builds can't be imported (regression issue - missing Import Color Builds function).
CS01525191	CAL-8398	Crash when trying to measure Printing Conditions.
CS01517934	CAL-8343	Missing "rsscrc00c" license error thrown when importing a Printing Condition that contains a White Screen.
CS01502110	CAL-8043	Problem with Crystal V NP - wrong calculation of dot distance or dot population to minimumGray level.
CS01500868	CAL-8034	Print Control Wizard: Error creating White screen "Not enough licenses to create White Screen"
CS01505247	CAL-8088	Error starting up Curve Pilot, the application cannot connect the BG_CMS data when drive was mapped to the bg_data_cms_v010.

5.6 Screens and Curve Pilot

Following customer reported issues are solved in **Screens and Curve Pilot 22.03**:

Case Number	ID	Description
CS01510189	CAL-8136	Desired density or %DotArea values are not kept in 21.11 version
CS01484438	CAL-7780	Automatic Measurement does not work with patch measurement with X-Rite eXact