

# Automation Engine, Imaging Engine, Pack Proof, Color Pilot and Curve Pilot 22.11 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 22.11. It only covers the changes since version 22.07.

If you are updating from version 22.03 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 22.11. You can find these on the online help for these versions (or on the product installer media for older versions).

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## 2. Licensing and System Requirements

### 2.1 Licensing

Automation Engine, Imaging Engine, Pack Proof, Color Pilot and Curve Pilot 22.11 require 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 22.07:

- Added support for macOS Ventura as a client platform
- Dropped support for macOS Mojave as a client platform
- Agent is now (again) supported on Windows Server 2022 and Windows 11

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

## 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   |
|-----------------------------|---|
| <a href="#">KB385070554</a> | <b>Automation Engine - Updated XMP structure requires update of XMP XPath Query SmartNames</b>  |
| <a href="#">KB385060650</a> | <b>Automation Engine - Microsoft 365 to disable basic authentication in Exchange Online</b>   |
| <a href="#">KB397293886</a> | <b>Automation Engine - Cannot add cloud storage account for Google Drive</b>  |
| <a href="#">KB341861822</a> | <b>Plate ID – Components and versions:</b> Describes which versions of which components are required to set up an end-to-end Plate ID workflow.                                     |
| <a href="#">KB341862828</a> | <b>Bitmap Viewer Mac - Standard user cannot see Seamless View icon</b>  |
| <a href="#">KB288327838</a> | <b>Automation Engine – Compatibility with Digital Flexo Suite / PlatePrep:</b> Lists which versions of Automation Engine are compatible with which versions of DFS/PlatePrep (CDI). |
| <a href="#">KB288327774</a> | <b>Automation Engine – Compatibility with Grapholas:</b> Lists which versions of Automation Engine are compatible with which versions of Grapholas (CDI).                           |
| <a href="#">KB288327758</a> | <b>Automation Engine – Compatibility with iPC:</b> Lists which versions of Automation Engine are compatible with which versions of iPC (Kongsberg).                                 |
| <a href="#">KB76723863</a>  | <b>Automation Engine - PitStop Server Compatibility Matrix</b>  |
| <a href="#">KB185615059</a> | <b>FlexProof/E, Pack Proof - How to install and use generic Esko EPL files</b>  |
| <a href="#">KB325882668</a> | <b>Pack Proof - How to make a contract proof on an Epson SureColor P75x0 and P95x0 with the CT driver</b>   |
| <a href="#">KB376374795</a> | <b>Print Control Wizard - re-activation of license required if you have already a PCW 22 license activated</b>  |

## 4. New and changed features

### 4.1 Automation Engine

#### 4.1.1 Single Sign-On support

It is now possible to configure Single Sign-On (SSO) using the OpenID Connect (OIDC) protocol with Okta or Azure AD as identity provider.

#### 4.1.2 Multi-MIS support for Automation Engine SaaS

One Automation Engine SaaS can now be connected to multiple MISs.

The Agent can now add a prefix to Jobs, Products and Customers to avoid ID clashes (and strip that prefix when communicating back to the MIS) for JDF based integrations over http.

A new task 'Prefix Product on Esko Cloud' was added to allow users to migrate their existing Product databases to SaaS.

#### 4.1.3 Filtering Jobs and Products based on location

It is now possible to set a location for a Job or Product and assign one or more locations to a user (via groups).

This will be used to filter Jobs, Products, Tasks and To-Dos in My Workspace: a user will not see the Jobs and Products when not assigned to the location of these Jobs/Products.

#### 4.1.4 Edit Job/Product settings in My Workspace

My Workspace users can now also edit Job and Product settings.

#### 4.1.5 New E-Mail Access Points for Gmail and Exchange

Two new access point types were added to scan Gmail and Exchange mailboxes. These access point types use a modern OAuth 2.0 based authentication & authorization protocol required by Google and Microsoft.

#### 4.1.6 Access tokens for Agent connections to Automation Engine SaaS

The access token created for an Automation Engine Agent will now appear in the Manage Tokens page as well. Upon creation of the token, a dedicated user will be automatically created.

#### 4.1.7 New authorization flow for Google Drive Cloud Storage

There is a new authentication / authorization flow to create a Google Drive Cloud Storage account. The Out-Of-Band (OOB) flow used in previous versions of Automation Engine is no longer supported by Google (KB397293886 in our Knowledge Base).

## 4.1.8 New and improved PDF actions

Several new actions were added:

- Apply Default Screen Set: applies the default screen set to selected objects.
- Assign Default Printing Units: assigns printing units to all artwork separations in either ascending or descending order.
- Assign Printing Unit: assigns a printing unit to a single selected separation. Printing units already assigned to other separations are automatically adjusted.
- Remove Printing Units: removes printing units from selected separations.
- Place Image Inside: places an image into the selected compound.
- Convert to Placeholder converts selected paths or texts into a placeholder.
- Set Text Size: changes the font size of the selected text.
- Set Text Font: changes the font name and style of the selected text.

The 'Conditional Action (If... Then...)' was extended by more conditions related to:

- Document properties: Normalized PDF, distortion.
- Page Boxes: width, height, margin (bleed and media box), presence (crop box, bleed box, art box).
- Printing Units: presence, ascending/descending order.
- Layer Selection: is empty, contains artwork or processing step layers.
- Screen Set: is a screen set defined, is a default screen set defined.

The 'Select Objects by Box' now allows to select individual objects or complete groups covered by the box defined.

Formulas can be used to specify both numeric values (count, distance) but also string values (layer or object names...). The formula value is computed from variables. Similar to marks, variables can be based on document properties (layer or separation names, page boxes...) or on Automation Engine Job or Product parameters. This makes it possible to create a generic PDF action list that will be driven by parameters of the processed document or by Job/Product parameters.

## 4.1.9 A new Split PDF File task

There is a new ArtPro+ based task to split/extract pages from a multipage file as a replacement for the outdated 'Split PDF File (Classic)' task.

## 4.1.10 New options in the Optimize PDF task

The task now allows to rearrange separations (wildcards can be used for name matching).

There are new preprocessing options to expand placed art, marks and barcodes so that the task can modify their content without making their metadata invalid.

## 4.1.11 Screen sets in the (NDL) Step & Repeat tasks

Screen sets from one-ups, including an indication of which one is to be considered as the default screen set, are added to the output file. This default screen can be used when applying new marks or in the Apply Default Screen Set action.

## 4.1.12 Improved bleed in Step & Repeat Template Based task

Better bleed handling between different grids for JDF generated files. Grids now take neighboring grids into account and apply centerline bleed.

#### **4.1.13 New features in the Step & Repeat CAD Based task**

A new option to import structural lines from the one-up was added.

Panel tag support: panel tags can be added to the one-up graphics in ArtPro+. These tags specify if bleed is allowed into this panel and the maximum distance.

#### **4.1.14 Ink sorting in the Export PDF Info task output**

When the input file has printing units defined for one or more separations then the separation list in the task's output is sorted according to the printing units.

#### **4.1.15 Printing Units in Export to Gravure using HELL Job Ticket and Export to Unscreened Separations**

The 'Export to Gravure using HELL Job Ticket' and 'Export to Unscreened Separations' tasks now support printing units. Once printing units are defined, only the separations with printing units defined are used in output.

#### **4.1.16 Automatic Export in the Submit to HP SmartStream Production Pro Print Server task**

A new setting 'Automatic Export' was added to select whether, on the DFE, the submitted job should (afterwards) automatically be exported (a form of archiving).

HP Production Pro 8.2 is required for this option to work.

#### **4.1.17 Anonymous Usage Tracking**

For customers that did not opt in for Usage Tracking, Automation Engine will now collect usage data in an anonymous way. Data like ticket names, IP addresses will not be tracked.

#### **4.1.18 Flexo Engine - Improved manual editing of layout proposals**

There is now better support in the Plate Merger's layout proposal editor for positioning press plates with a staggered cut layout partially overlapping each other.

Plates within the same group that were not part of the initial layout proposed by the Plate Merger can now be made available by using the new 'Load More' button. This gives the user more flexibility to optimize the layout and fill percentage of the merged plate.

#### **4.1.19 Flexo Engine - Added support for Grapholas 22.7**

The Flexo Engine now fully supports CDIs running Grapholas 22.7.

#### **4.1.20 Flexo Engine - Automatic Placement of Plate ID Marks**

See separate document "What's New in ArtPro+ 22.11?" on our online help pages.

## 4.2 Imaging Engine

### 4.2.1 New Adobe PDF Print Engine

The latest update of the Adobe PDF PrintEngine (APPE) 6.0 was integrated in this Imaging Engine version.

### 4.2.2 Support for Plato Screen Registration and Identical One-Ups

The 'Identical One-ups' option adjusts step and repeat one-ups and repeated placed art to ensure they are rendered and screened as uniformly as possible. This option ports and further extends the Screen Registration functionality that was up till now only supported by FlexRip.

### 4.2.3 Dot Cleanup optimizations done for Crystal V

The 'Clean up scum dots' (in the Imaging Engine ticket's Post-RIP tab) has been optimized for Crystal V using 2 mindots, resulting in better output.

### 4.2.4 Maximum Memory limit

There is a new option 'Maximum Memory Limit' in the Automation Engine configure panel to allow a user to change how much memory Imaging Engine can use on a certain file.

### 4.2.5 Outdated Compensate for Outline thickness

The option 'Compensate for Outline thickness' has been removed. This option was already declared 'soon outdated' as there is a better alternative with 'Fine line rendering'.

## 4.3 Bitmap Viewer

There is no new version of Bitmap Viewer.

## 4.4 Pack Proof

No new features compared to 22.07.

## **4.5 Color Pilot**

### **4.5.1 Color Pilot license in an Automation Engine SaaS setup**

The 'Automation Engine Tools' (Color Pilot, Curve Pilot, Screen Manager) can now retrieve their license from the Automation Engine SaaS server.

Limitation: for now (until 23.03), you still need a Network License Manager installed on premises pointing to a license server with any license key.

## **4.6 Print Control Wizard (Printing Conditions)**

### **4.6.1 Full calibration (multi color) for Corrugated High Quality Post Print**

In 21.11 you could already calibrate single color, now you can also calibrate multi color for Corrugated High Quality. This will also include the generation of a press profile (see what's new in 22.07).

### **4.6.2 Algorithm improvements for Crystal V**

The speed for generating the chart & Crystal (V) screens has been optimized by using better caching.

### **4.6.3 Steptest chart in different rulings**

The Steptest chart for Flexibles and Labels is now available in different rulings and contains a bearer bar (on the left).

### **4.6.4 Extra columns in 'Select Highlights' page and Report**

Information on Mindot distance, bump (estimated lightest tone) & transition point is now available in the 'Selection Highlights' page and in the Report.

### **4.6.5 UX Improvements**

Several changes were done to improve the user experience. Example: a new 'Print Quality' section with info on Solids, Gamut and Gray Balance was added.

## **4.7 Curve Pilot, HD Flexo Screens and ScreenManager**

### **4.7.1 Curve Pilot and ScreenManager license in an Automation Engine SaaS setup**

The 'Automation Engine Tools' (Color Pilot, Curve Pilot, Screen Manager) can now retrieve their license from the Automation Engine SaaS server.

Limitation: for now (until 23.03), you still need a Network License Manager installed on premises pointing to a license server with any license key.

## 5. Known Limitations & Important Changes

### 5.1 Automation Engine

#### 5.1.1 Changed XMP Structure

There was an update of the XMP library (Adobe XMPLib) used by Automation Engine (Classic) tasks and Imaging Engine. This library is used to write XMP metadata in (Normalized) PDF files, TIFF/LEN... files. In addition to several security and bug fixes, this update also brought a changed XMP structure. Previously, different sections within the XMP all had their own rdf:Description element. Now all sections are combined in one rdf:Description element.

All files written by an Automation (or Imaging) Engine version 22.11 or higher will have simplified but different XMP metadata.

This can have an impact on SmartNames that queried the XMP metadata (XMP XPath Query SmartNames). SmartNames that relied on the old structure will have to be adapted.

For more information, please consult KB385070554 in our knowledge base.

#### 5.1.2 Automation Engine SaaS: no support (yet) for Azure AD in Agent

To establish the initial connection between the Agent and the Automation Engine SaaS server it is not possible to log in using Azure AD as identity provider.

As a workaround, you can log in with an internal admin user. Making the initial connection is a one-time action.

#### 5.1.3 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 chapter 'New and changed features'.

Agent connections that were established before upgrading to 22.11 will still work after the upgrade. However, as of the next version (23.03) Automation Engine SaaS will no longer support agent tokens generated before 22.11.

To avoid unplanned interruptions after upgrading to version 23.03, you should remove and recreate the agent connection.

#### 5.1.4 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.



### **5.1.5 E-mail Access Points to Exchange Online (Microsoft 365)**

Microsoft will disable basic authentication access for the POP and IMAP protocols used by Automation Engine's E-mail access points (see KB385060650 in our Knowledge Base). These access points will stop working and need to be replaced with the new access point of type 'Exchange' (see chapter 'New and changed features').

### **5.1.6 Job location in the JDF setup**

To automatically set the location for a Job created via JDF, a user can specify an XPath query to define the element/attribute to use as location. This configuration will be removed after a restart of the server. A fix will be made available for this.

## **5.2 Color Pilot**

### **5.2.1 Print Control Wizard (Color Pilot) character limit while saving charts**

An error occurs when saving a chart if the path exceeds 100 characters.

## 6. Solved customer issues

### 6.1 Automation Engine

Following customer reported issues are solved in **Automation Engine 22.11**:

| Case Number  | ID   | Description  |
|--|--|--|
| CS01108470   | AE-14073   | In some cases, the 'Prepare Graphics for Nesting (Classic)' task could generate PDF files that could not be opened anymore. Now proper support of NChannel/DeviceN color space copying is added to prevent this issue.   |
| CS01300658   | AE-18144   | NDL tasks: the printing state of a layer is now more consistently interpreted when mixing classic tasks with native ones.  |
| CS01404441   | AE-20192   | 'Normalize PostScript / PDF / Illustrator 8.0 File (Classic)': fixed a crash with some specific input.   |
| CS01472053   | AE-24899   | My Workspace: prevent slowdown of browser and AE Server by removing not needed data fetching when viewing products while workflows are being run on those products.  |
| CS01490680   | AE-23834   | When comparing 2 files in the Automation Engine Viewer, hidden and non-printing layers could become visible when viewing as in ArtPro+.  |
| CS01493974,<br>CS01528242  | AE-22305,<br>AE-23274  | 'Normalize PostScript / PDF / Illustrator 8.0 File (Classic)': after normalization, all XMP info related to Printing method set for PANTONE Pastel & Neons Coated, is correctly taken over.  |
| CS01503810   | AE-22491   | Server activation problem is no longer occurring in the current version.   |
| CS01509886,<br>CS01522720  | AE-22676,<br>AE-23107  | 'Export To PDF File': In case document has no document-profile but task has 'embed profile' enabled: give a reasonable default Output Intent (same as ArtPro+ : ISOCOATED_V2_300.icc).   |
| CS01512658   | AE-22741   | 'Normalize PostScript / PDF / Illustrator 8.0 File (Classic)': avoid mix of screenings when the pdf contains screened and unscreened objects.  |
| CS01523734   | AE-23409   | CDI Devices: services could crash when a job is deleted while it is still loading.   |
| CS01538728,<br>CS01538828  | AE-23525,<br>AE-23590  | 'Normalize Postscript / PDF / Illustrator 8.0 File (Classic)': a specific indexed image with a soft mask is no longer split in 2 images causing an incorrect view.   |
| CS01541044   | AE-23640   | On heavily loaded systems, the 'Add To Products' task could fail due to a deadlock.  |
| CS01548351   | AE-23931   | Server Admin: selecting another (remote) SQL server. A fix to avoid a null pointer exception has been included in 22.11. This exception could prevent selecting another SQL server with a specific set up. This behavior was observed on a particular customer system. |
| CS01548666   | AE-23815   | Fixed crash in NDL tasks.  |
| CS01549376,<br>CS01549665,<br>CS01549425,<br>CS01551480,<br>CS01555836,<br>CS01559969,<br>CS01562192,<br>CS01563373,<br>CS01564811,<br>CS01572109,<br>CS01581607,<br>CS01585360,<br>CS01586383,<br>CS01587200, | AE-23893,<br>AE-23855,<br>AE-23859,<br>AE-24035,<br>AE-24089,<br>AE-24140,<br>AE-24225,<br>AE-24269,<br>AE-24294,<br>AE-24453,<br>AE-24756,<br>AE-24966,<br>AE-24895,<br>AE-24911, | In some cases, the Automation Engine Viewer kept files open even after closing the Viewer window, resulting into locked file issues further in the workflow.   |

|  |                                    |   |
|--|------------------------------------|---|
| CS01587229,<br>CS01587575                | AE-24926,<br>AE-24934              |   |
| CS01551016,<br>CS01490680,<br>CS01561403 | AE-23895,<br>AE-23834,<br>AE-24210 | When comparing 2 files in the Automation Engine Viewer, hidden and non-printing layers could become visible when viewing as in ArtPro+.   |
| CS01553784                               | AE-24209                           | Barcode info was missing in case of PDF+ files with barcodes using non-standard fonts.  |
| CS01555150                               | AE-24034                           | The 'Normalize PDF File' now preserves the ink order from Native PDF files that were made using DeskPack when the option 'Use rulings, angles, dot shapes from file if available' is enabled.   |
| CS01555651                               | AE-24307                           | Server: reduced number of failed login attempts on SQL server when 'sa' password has changed.   |
| CS01556307                               | AE-24083                           | No flexo-related (CDI) components are started within the Agent if the connected AE (Automation Engine) SaaS doesn't have flexo devices configured, this way keeping the running process as lean as possible. Unnecessary connection errors in the log are prevented by a more streamlined startup sequence of certain Agent components. The startup sequence of certain Agent components was also significantly made faster. Connections over the internet can always encounter issues due to reasons unknown to both endpoints of the connection (IT infrastructure failure or setup issues/internet drops/etc.). The Agent does try to detect if the connection to the AE SaaS is still alive and if not initiates a reconnection sequence. If the Agent is repeatedly unsuccessful in reconnecting, something is likely to be wrong with the network/IT setup. |
| CS01556677                               | AE-24461                           | Gang Run Nesting could stop producing layouts in case a large number of graphics had an expired due date.   |
| CS01557555                               | AE-24096                           | The 'Number of Artwork Separations' and 'ArtPro Separation Names' SmartNames return reliable values.  |
| CS01558656                               | AE-24119                           | The 'Prepare Station' task could result in a crash in CAD-X in case die contours in the input PDF consist of a mix of filled and stroked contours.  |
| CS01559161                               | AE-24293                           | The 'Preflight with PitStop' task could fail when input file was encoded in decomposed unicode form.  |
| CS01559633                               | AE-24161                           | Sometimes Automation Engine Jobs were not created from JDF.   |
| CS01559916                               | AE-24137                           | 'Export to PostScript File (Classic)': The ink book information in the PDF+ metadata was not used when loading the PDF file. This might result in having an ink from another ink book as what is defined in the PDF+ file.  |
| CS01562936                               | AE-24268                           | SmartMarks: Ink order from PDF+ files was not always respected (in case ink was mapped to ink from color book with different upper/lowercase characters – f.i. White from ClassicColors ink book)   |
| CS01564284                               | AE-24279                           | 'Smart Task': differentiate between OK and Warning.   |
| CS01566031                               | AE-24345                           | My Workspace: fixed problem in UI when in job context.  |
| CS01567040                               | AE-24366                           | 'Export Gang Run Layouts': export of PDF for cutting could fail if the input file contains dashed strokes selected as extra structural lines.   |
| CS01568042                               | AE-24385                           | 'Create ArtiosCAD Layouts': In very specific circumstances, the nesting algorithm may result in obviously non-optimal layouts.  |
| CS01569225                               | AE-24407                           | 'Export Step & Repeat to JDF Layout (Classic)': task now exports PDF station files based on the actual PDF file name (not on the original graphic's name before assigning new graphics).  |
| CS01569454                               | AE-24433                           | 'Convert Colors with Equinox': Pantone Metallic inks are recognized to be in the Pantone Metallics ink book instead of Pantone+ Solid Coated.   |
| CS01569487                               | AE-24410                           | Pilot UI: Fixed an issue where the value of a text field is not properly committed when using drag and drop to change the value.  |
| CS01571419                               | AE-24828                           | 'Gang Run Printing': guillotine nesting did not take the rotation exceptions for each graphic into account rejecting graphics too big   |

|                           |                       |   |
|---------------------------|-----------------------|---|
|                           |                       | to fit on sheet (only the global rotation settings of the queue were taken into account).   |
| CS01574309                | AE-24514              | After upgrade to 22.07, the 'Preflight with Pitstop' task could fail with message 'Could not find ICC profile for Lab/RGB'.   |
| CS01575056                | AE-24632              | Enlarged timeout for uploading tickets to Esko Cloud.   |
| CS01575115                | AE-24566              | 'Create Tiles': the page numbering of the tiled output now takes empty tiles into account (skips empty pages).  |
| CS01576470                | AE-24605              | Enlarged the column width for storing the password of an SFTP site.   |
| CS01576706                | AE-24565              | 'Create Wrapper File (Classic)': In specific circumstances, screening information from wrapped files may be lost.   |
| CS01576884                | AE-24576              | 'Step & Repeat Template based': Non ASCII characters (e.g. Chinese) were not supported in file names when JDF (MIS) input was used for Step & Repeat task. Checking file existence incorrectly reported a missing file. The issue was fixed and valid UTF-8 file names (with URL percent encoding) are now supported. |
| CS01577386                | AE-24626              | Fix replacing invalid characters with underscore for XML elements by combining also the open and closing tags of the element name.  |
| CS01577432                | AE-24668              | Fixes problem with unrecognized technical inks in Step & Repeat Tabular and Step & Repeat Template tasks when the marks are not optimized.  |
| CS01579868                | AE-24697              | 'Create Report (ReportMaker)(Classic)' task could crash when placing certain input files with ink selection (example: separations on separate pages).   |
| CS01580805                | AE-24708              | A bug was fixed that could make the 'Automation Engine PitStop Profile Editor' crash when using certain actions lists that use color management.  |
| CS01581116                | AE-24707              | 'Optimize PDF': added support for selecting layers in Public Parameters.  |
| CS01582896                | AE-24837              | The Server Admin Health Checks were spinning for a long time and eventually showing a strange error message when the license of an Automation Engine assistant was expired or invalid.  |
| CS01583740                | AE-24816              | Roll-Fed Labels production workflow failed in case of in-lane rotations on graphics without non-printing inks.  |
| CS01584658                | AE-24866              | Some auto-merged plates may arrive at CDI and display as "0mm x 0mm". Now these show the correct info Full Plate/Partial Plate and the defined Plate size.  |
| CS01584764                | AE-24839              | In some cases, after downloading a file using My Workspace, the name of the file was incorrect.   |
| CS01586427,<br>CS01587240 | AE-24904,<br>AE-24927 | Solvent saver now also takes a smaller imageable area into account based on the specified cutting flow's safe distance to prevent an "out of bounds" error in the Create Merged Plate task.   |
| CS01589264                | AE-25013              | NDL tasks: problem resolving SmartNames in barcode marks has been fixed for global AE SmartNames (variables) and also for SmartNames related to Job and Product (Product Parts). This problem was specific for marks used in S&R templates - marks in Mark sets worked fine.  |
| CS01589594                | AE-25021              | SmartNames: fixed an issue where a combo box could be auto-completed upon opening a dialog (example: the 'Custom Format' combo box in the Date and Time formatting options of a SmartName).   |
| CS01590470                | AE-25050              | 'Export Gang Run Layouts': SmartMarks were no longer applied on the back side of the layout.  |
| CS01592504                | AE-25111,<br>AE-25017 | NDL tasks: fixed problem with overwriting files on shared volumes.  |
| CS01593853                | AE-25123              | 'Optimize PDF' task has new options 'Expand Marks' and 'Expand Barcodes'.   |

## 6.2 Imaging Engine

Following customer reported issues are solved in **Imaging Engine 22.11**:

| Case Number | ID       | Description   |
|-------------|----------|---|
| CS01583700  | IE-22228 | ArtPro+ files (PDF+): ruling and angles are not honored by the RIP in case no Esko dot shape was specified in the file.         |
| CS01562432  | IE-21907 | RIP'ing with 6400 ppi + rotation leads to wrong output.   |
| CS01560477  | IE-21874 | Imaging Engine tickets for launched tasks may not show settings as expected in case dot cleanup was activated with a SmartName. |
| CS01556328  | IE-21827 | RIP + wrap + RIP again gives different output in case a distortion value is used.   |
| CS01537351  | IE-21609 | Thickness of objects with transparency wrong when rotating in RIP.  |
| CS01514518  | IE-21262 | A portion of art elements are being "dropped" from the final RIP output.  |
| CS01484743  | IE-20802 | Imaging Engine crashes on specific job when rotating 90 degrees CW.   |
| CS01480392  | IE-20690 | A thin line occurred in the 1bit TIFF output when the Fine Line Rendering option is enabled.                                    |
| CS01521493  | IE-21362 | Wrong screening info available for native PDF file with XMP.  |
| CS01530443  | IE-21465 | Mix of HD and Conventional screens but ticket only shows one screen.  |
| CS01560229  | IE-21863 | PressSync Curve not correctly applied on Image to Unscreened Separations for GV.  |
| CS01573601  | IE-22076 | 'Identical one-ups' is not working for ArtPro Classic files.  |
| CS01574275  | IE-22077 |   |

## 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 22.11**:

| Case Number | ID       | Description   |
|-------------|----------|---|
| CS01571993  | IE-22059 | Pack Proof - workflow names containing non-ASCII characters are different after upgrade.                              |
| CS01566779  | IE-21970 | Pack Proof - Installation - the link to 'Esko Proof Server 20 - Quick Start Guide (online documentation) doesn't work |
| CS01579473  | IE-22160 | Pack Proof - Date & Time field in Fiery Command Workstation does not correspond with job's last run.                  |
| CS01561298  | IE-21877 | Pack Proof - Proof for contract approval ticket does not launch because of "Job is too big".                          |
| CS01551372  | IE-21724 | Pack Proof - Fiery Command Workstation installation conflict with Esko Network License Manager.                       |
| CS01543193  | IE-21625 | Pack Proof - Proof for Contract Approval fails after adding a new workflow.   |
| CS01484852  | IE-20790 | Pack Proof - Minimal Media Consumption not working after upgrade to 21.07.  |

|            |          |  |
|------------|----------|--|
| CS01473513 | IE-20629 | Pack Proof - Minimal Media Consumption leads to wrong rotation in Fiery Command WorkStation.                         |
| CS01448492 | IE-20304 | Pack Proof - Fit to options: Job is not scaled according to current media associated leading to "Job Too Big" error. |
| CS01361378 | IE-19444 | Pack Proof - Proof Server workflows not found when proof server is installed on a separate system.                   |

## 6.5 Color Pilot

Following customer reported issues are solved in **Color Pilot 22.11**:

| Case Number                            | ID                                  | Description   |
|--|-------------------------------------|---|
| CS01545725                             | CEP-13099                           | Inks which are lighter than the substrate show white when using in AP+ the 'Color Managed Preview' option.                    |
| INDLP-7083                             | CEP-13135                           | Saving a strategy using specific icc profiles fails: "An error occurred while calculating the Device Link for process inks".  |
| CS01571230<br>CS01578988<br>CS01584231 | CEP-13161<br>CEP-13220<br>CEP-13272 | Charts don't arrive in the Fiery Command Workstation queue when the chart name contains a non-English character.              |
| INDLP-7124                             | CEP-13164                           | A "Software error" on the HP Production Pro when using Spot Master in case the L value of the ink is higher than 100.         |
| CS01572584<br>CS01580564               | CEP-13166<br>CEP-13245              | The tints of some unprofiled spot colors have a blue cast when using the "Interpolate Solid Conversion" option.               |
| INDLP-7132                             | CEP-13408                           | Wrong ink set defined in the XML send to the HP DFE when refining spot colors part of a strategy with an output ink disabled. |

## 6.6 Print Control Wizard (Printing Conditions)

Following customer reported issues are solved in **Print Control Wizard (Printing Conditions) 22.11**:

| Case Number | ID       | Description  |
|-------------|----------|--|
| CS01587567  | CAL-9528 | Print Control Wizard 22.07 gives strange curve after measuring chart (Crystal V Flexibles chart).  |
| CS01583703  | CAL-9446 | PCW Curve in Curve Pilot - changing the Transition Point removes the 100% cutback.   |
| CS01581616  | CAL-9426 | Print Control Wizard - Not able to create screen and curve after measuring and finishing the printing condition.   |
| CS01574543  | CAL-9350 | Print Control Wizard - Chart for "Full Calibration Flexibles" when using "CMYKOGV" ink-set and Crystal "NP" technology contains incorrect (Crystal V) preset elements. |
| CS01562426  | CAL-9101 | Print Control Wizard - Error when creating the PCW curve.  |

## 6.7 Curve Pilot, HD Flexo Screens and ScreenManager

No customer reported issues were solved in **Curve Pilot, HD Flexo Screens and ScreenManager 22.11**.