

What's new Release document for Imaging Engine version 14.1.1

15 December 2015

What is new in Imaging Engine version 14.1.1

This document lists the changes and improvements since Imaging Engine 14.1.1 Customer Release version (30/06/2015)

1. New Functionality
2. Bug Fixes

New Functionality

1

Pack Proof

- Keep job files for relaunch purposes
- White coloring for the White ink on a Epson7900WT
- Clear inks and/or White ink(s) in Pack Proof for the Roland LEC devices
- Double CMS (Emulation Proof) (Also available for proof to file unscreened)
- Support for the Epson SureColor-P60X0/P70X0/P80X0/P90X0 CT devices

Image to Screened Separations

- Object based calibration (Use press curve from file)
- Speed up opening of the ticket
- Screen angle direction

Image to Unscreened Separations

- Skip area files support for gravure (create svx files)
- Anti-aliasing support
- Support for JDF input


Curve Pilot

- Changes in Curve Pilot's Preferences dialog
- Changes in the 'Ink solids' verification panel
- Changes in reports
- Changes in the 'Measurement Chart' panels


(More info about these changes are explained in the What's New document of Curve Pilot)

New Functionality – Pack Proof part1

- Added the “Keep job files for relaunch purposes” option in the Pack Proof ticket
 - This option prevents the intermediate files from being deleted when the job got proofed
 - Keep job files for relaunch purposes []
- Support for “White Coloring” in the Pack Proof ticket
 - The White Coloring option will color the White ink on a Epson7900WT
 - The option will only be available when your workflow is connected to an Epson7900WT device


White Coloring: 

- No Coloring
- Custom Values**
- Values From Color Management


White Coloring: 

[Set Custom Values...](#)

C: 0% M: 0% Y: 0% K: 0%

White Coloring: 

- No Coloring
- Custom Values
- Values From Color Management**
- Select SmartName...

White Coloring: 

C: 0% M: 0% Y: 0% K: 0%

Color Strategy



Source Profile: ISOcoated_v2_eci.icc

Destination Profile: EpsonWT7900_720x720_v14_EskoStandard

New Functionality – Pack Proof part2

- Support for Clear inks and/or White ink(s) in Pack Proof for the RolandLEC devices.

You can go up to 3 Clear inks which can be a “Matte Clear ink”, a “Gloss Clear ink” and an “Emboss with Clear ink”. And for White inks you can go up to 2 White inks which can be “WHITE_INK” and “WHITE_INK2”.

- Support for double CMS (Emulation Proof)

To activate the double CMS option you must enable the “Emulation Proof” toggle in the Color Management tab. For emulation the color conversion will go from source profile to destination profile (so 2 conversions). The digital presses often have a narrower gamut than the conventional press of the source profile and also narrower than the destination profile. By going via the emulation profile this bottleneck effect can be included in the proof.

Double CMS also includes support for “dynamic” digital printing color strategies used in the DFE for HP Indigo presses version 4 and later

General
Proofer
Transformations
PDF Objects
Document Inks
Color Management
Output
Verification
Summary

Emulation Proof

Analog Press

Color Strategy: PRESS-Flexo2HPI-CREAM-ANTIQU-CMYK [] ▼
Source Profile: BrobyGrafiska_CMYK_Flexo_Esko_v2
Emulation Profile: HPI-CREAM-ANTIQU-CMYK

Digital Press

Color Strategy: HPcmyk2PROOF-Epson7900HT1440 [] ▼
Destination Profile: EpsPPW_X900HT144HR_Ev101

Proofer

New Functionality – Pack Proof part3

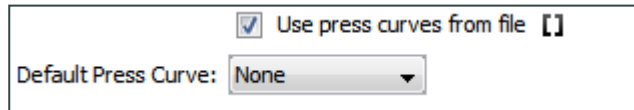
- Support for the Epson SureColor- P series:
 - P60X0
 - P70X0
 - P80X0
 - P90X0

Only a CT driver is available

The P series with CT drivers is supported for color accurate content proofing including the proofing of spot colors, expanded gamut (Equinox) workflows and digital printing (emulation proof) workflows

New Functionality – Image to Screened output part1

- Object based calibration for screened output



A new toggle to specify whether to apply or ignore press curves from the file (added by ArtPro to the individual objects). When curves from the file are requested but the object does not have a curve, the default press curve will be used for that object.

- Speed up opening of the Image to screened separations panels
The Image to Screened separations panel was opening slow since lots of info needed to be gathered about the available dots. This gathering of information has been made faster so that the panel opens (almost) as fast as the other Imaging tickets.

New Functionality – Image to Screened output part2

- Screen Angle Direction

- General
- Transformations
- PDF Objects
- Document Inks
- Output
- Separations
- Summary

The screenshot displays the 'Separations' panel with 'Advanced Screening Settings' overlaid. The 'Advanced Screening Settings' dialog has a 'Screen Angle Direction' dropdown menu with options: 'Clockwise (FlexRip Compatible)', 'Counter Clockwise (Nexus Compatible)', and 'Select SmartName...'. The 'Configure' dialog shows the 'General' tab with a 'Rotation Direction' dropdown set to 'Clockwise'. A red 'X' is drawn over the 'Rotation Direction' dropdown in the 'Configure' dialog. Below the 'Separations' panel, a table shows original and modified settings for Yellow, Cyan, and Black inks.

Ink	Original	Modified
Yellow	<unregistere...>	2 R → Round F... 120 lpi
Cyan	<unregistere...>	3 R → Round F... 120 lpi
Black	<unregistere...>	4 R → Round F... 120 lpi

Original separation settings are displayed in grey, modified settings are displayed in black.

The screen angle direction must be set in the Image to Screened Separation Separations panel. The rotation direction in the Configure panel is gone and the Rotation option values have changed. Output screening angle will now follow the selected direction set! A knowledge base article will follow shortly fully explaining this new functionality.

New Functionality – Image to Unscreened output part1

- Skip area files support (create sv5 files)

<input checked="" type="checkbox"/> Write skip areas to files []
Threshold: <input type="text" value="240"/> [] empty lines

The unscreened separations task is capable of creating skip area files (which can be used for gravure to optimize the engraving process). When this option is active, a threshold can be entered to specify the required number of consecutive empty lines before writing this into the sv5 file.

- Anti-aliasing support in Unscreened output (proof + separations)
Remark that anti-aliasing cannot be used in combination with Image Resampling.

Resolution:	<input type="text" value="2540 ppi"/> []
Anti-aliasing:	<input type="text" value="None"/> [] ▼
Image Resampling:	<input type="text" value="None"/>
	2
	3
	4

New Functionality – Image to Unscreened output part2

- Support for JDF input

We only support JDF input files coming from:

- ArtPro
- Export Step & Repeat to JDF Layout ticket
- Step & Repeat CAD based ticket
- Step & Repeat Tabular ticket
- Step & Repeat Template based

We do not support:

- Step & Repeat Tabular (Dynamic) ticket
- Step & Repeat Template Based (Dynamic) ticket
- JDF coming from third parties

ESKO*

