

# What's new in Imaging Engine version 16.1.1

This document lists all changes and improvements since Esko Software Platform – November 2017 Release. The document will give an overview of:

- New Functionality
- Solved customer issues



# **New Functionality - General**

### • General

- > New Adobe Kernel (APPE 4.8)
- CTP specific
- Proof specific

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  - General
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# New Adobe Kernel (APPE 4.8)

The kernel of Imaging Engine has been updated from APPE version 4.7 to **APPE version 4.8**. This version includes some fixes for known customer issues. (see 'Solved Customer Issues' topic)

To guarantee **correct output**, especially when using the Esko screening model (introduced in IE16.0.2), some performance optimization has been disabled.

This may cause some **decrease in RIP performance** depending on the input file and the settings used.

As soon as we can guarantee correct output with the performance optimization enabled, the optimization will be enabled again in a hotfix or in a future release.

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# **New Functionality - CTP**

### • General

## • CTP specific

- > Curve strategy support in exceptions
- > XMP for solid objects
- Proof specific

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# Curve strategy support in exceptions

The list of curves which can be selected when creating a press curve exception has been extended with curve strategies.

This is available

• When defining an exception

| Rule Properties    |  | ×     |
|--------------------|--|-------|
| If separation mate | hes:   |       |
| Ink name 👻 con     | tains - Cyan   | E - • |
| Apply separation s | ettings:<br>$R \rightarrow Round Fogra$  |       |
| Ruling:            | 120 lpi  | []    |
| Angle:             | 45°  | [] C  |
| Press Curve:       | None   | L) 🔽  |
|                    | lione<br>Angle_Based_7_22.icpro<br>CT_LW_Strategy.icpro<br>DKQ_Based_7_2.20ther.icpro<br>Ec_DFI_Bumps.icpro<br>Ec_DFI_Bumps.icpro<br>Ec_DFI_Bumps.icpro<br>Ec_EmpTathology.icpre.icpre<br>Ec_EmpTathology.icpre<br>Ec_FTQ2thologym.dgc<br>Ec_FTQ3thologym.dgc<br>Ec_FTQ3thologym.dgc |       |

• Overruling the press curve in the separations overview

| Cym process 1 - C → Cricut 120 [9] 7* Histone   Magentar process 2 - R → Enciru 120 [9] 7* Histone   Vallow process 3 - L → Line 120 [9] 72* Histone   Black process 4 - S → Square 120 [9] 67* Histone   AlvitOne 4 - S → Square 120 [9] 67* Histone 65   AlvitOne 1 GV11 → G 120 [9] 72* Histone 65 67* Histone | Ink Name | Ink Book | Ink In | Spot Ink In | Dot                                 | Ruling  | An C | Press Curve |
|---|----------|----------|--------|-------------|-------------------------------------|---------|------|-------------|
| Vellow process 3 - L Line 120 lgn 822 Angle_Beard_7_222.tpro   Black process 4 - 5 5 game 120 lgn gm <sup>2</sup> C <sup>1</sup> _LW_STREPKiptor   PAITOL. PAITOL. FAITOL. 1 GV/1 Gr 120 lgn 22 <sup>h</sup> Re_DFH_Burgskiptor   | Cyan     | process  | 1      |             | $C \rightarrow Circul$              | 120 lpi | 70   | None        |
| Black process 4 - S → Square 120 lpl 67 <sup>-</sup> CTW_Strategy.icpro   PANTO PANTO PANTO PANTO PANTO ECPH_Bumps.icpro  | Magenta  | process  | 2      |             | R → Roun                            | 120 lpi | 37º  | None        |
| Black process 4 * S → Square 120 lpl 07 <sup>*</sup> Dot_Based_R_S_Other.icpro   PANTO PANTONE+ 5 1 GVY1 → Gr 120 lpl 22 <sup>4</sup> EG_DFH_Bumps.icpro  | Yellow   | process  | 3      |             | $L \rightarrow Line$                | 120 lpi |      |             |
| PANTO PANTONE+ 5 1 GVY1 → Gr 120 lpl 22°<br>EG_DFH_Bumps.icpro  | Black    | process  | 4      |             | $S \rightarrow Square$              | 120 lpi |      |             |
|   | PANTO    | PANTONE+ | 5      | 1           | $\text{GVY1} \rightarrow \text{Gr}$ | 120 lpi |      |             |

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# XMP for solid objects

The XMP screening information of the output files generated by IE has been slightly improved for separations which only contain solid objects.

Previously no screening information was added, making it confusing about what happened. In FlexRip the information was always added, making it sometimes confusing as no screening was seen in the objects.

In the new solution the screening information is added but mentioning that it will not be noticeable as the separation only contains solid objects.

| Data Type:      | Screens and DGC:           |  |  |  |
|-----------------|----------------------------|--|--|--|
| Artwork         |                            |  |  |  |
| General         |                            |  |  |  |
| Job             | Angle: 45° CW              |  |  |  |
| Screens and DGC | Dot Shape: r (Solids only) |  |  |  |
|                 | Solids only)               |  |  |  |

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# **New Functionality - Proof**

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# **New Esko EPL files**

To create better proofs, Esko R&D is creating Esko EPL files which result in a more uniform color space.

Most of the times these Esko EPL files are included in the profiles kit and will be installed automatically.

When new Esko EPL files are created in between 2 releases of the Proof Server and profiles kit, they can be downloaded from a <u>central KB article</u>.

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# **Solved Customer Issues**

- A list of all fixed customer issues can be found in the Release notes of Imaging Engine 16.1.1
- Some notable fixed customer issues
  - Recalibration profile is now taken into account for the verification strip
  - > Stability fix for the Submitprooftask.exe
  - Improved CIP3 output for multipage input files containing different separations for each page

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