

What's new in Imaging Engine 16.1

What's new in Imaging Engine version 16.1

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

- New Functionality
- Solved customer issues

New Functionality - General

- General
 - New Adobe Kernel (APPE 4.7)
 - CMYK JPEG output
 - PDF+ Support
- CTP specific

What's new in Imaging Engine 16.1

- New Functionality
 - **General**
 - CTP Specific
- Solved Customer Issues

New Adobe Kernel (APPE 4.7)

The kernel of Imaging Engine has been updated from APPE version 4.6 to **APPE version 4.7**. This version includes some fixes for known customer issues. (see 'Solved Customer Issues' topic)

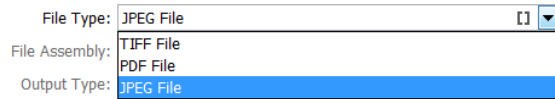
What's new in Imaging Engine 16.1

- New Functionality
 - General
 - **New Adobe Kernel (APPE 4.7)**
 - CMYK JPEG Output
 - PDF+ Support
 - CTP Specific
- Solved Customer Issues

CMYK JPEG Output

With the Image to Unscreened Proof ticket it is now possible to generate CMYK JPEG output.

This can be done by selecting JPEG as File Type:



The available JPEG Compressions are all Lossy, meaning information is lost while compressing the file, and are sorted from JPEG Limited Quality (meaning most data loss, but small files) to JPEG Extreme Quality (meaning little data loss, but bigger files).

Remark that the JPEG format is restricted to CMYK, meaning only CMYK destination profiles are available (both for profile to profile as for color strategies)

What's new in Imaging Engine 16.1

- New Functionality
 - General
 - New Adobe Kernel (APPE 4.7)
 - **CMYK JPEG Output**
 - PDF+ Support
 - CTP Specific
- Solved Customer Issues

PDF+ Support

PDF+ files, generated by ArtPro+, are now officially supported by Automation Engine 16.1. Also the Imaging Engine tasks now fully support these files.

Main benefit from this is that the Ink Order specified in ArtPro+ is now visible in the IE tickets.

What's new in Imaging Engine 16.1

- New Functionality
 - General
 - New Adobe Kernel (APPE 4.7)
 - CMYK JPEG Output
 - **PDF+ Support**
 - CTP Specific
- Solved Customer Issues

New Functionality - CTP

- General
- CTP specific
 - CIP3 Paper parameters
 - CIP3 Sizes and Offset parameters
 - Monet For Flexo screen

What's new in Imaging Engine 16.1

- New Functionality
 - General
 - **CTP Specific**
- Solved Customer Issues

CIP3 Paper parameters

A new tab, called 'Production Data' has been added to the 'Calculate Ink Key Settings (CIP3)' ticket.

It contains

- 3 existing CIP3 parameters which have been moved from the 'Output' tab to the 'Production Data' tab: Job Name Template, Job Code Template & Sheet Name Template
- 3 new Paper parameters: Paper Weight, Paper Thickness & Paper Type

General	Job Name Template: [File] [X]
Transformations	Job Code Template: [File] [X]
PDF Objects	Sheet Name Template: Sheet_[Sheet Number] [X]
Document Inks	
Sizes and Offsets	
Production Data	Paper Weight: 90 g/m ² [X]
Output	Paper Thickness: 0.18 mm [X]
Summary	Paper Type: Premium Paper [X]

What's new in Imaging Engine 16.1

- New Functionality
 - General
 - CTP Specific
 - **CIP3 Paper parameters**
 - CIP3 Sizes and Offset parameters
 - Monet For Flexo screen
- Solved Customer Issues

CIP3 Sizes and Offset parameters (1)

A new tab, called 'Sizes and Offsets' has been added to the 'Calculate Ink Key Settings (CIP3)' ticket.

Main functionality is to

- Take over plate and paper values from the file
- Manually Define Plate, Press and Paper values

This information was previously available in CIPPress Setup.

What's new in Imaging Engine 16.1

- New Functionality
 - General
 - CTP Specific
 - CIP3 Paper parameters
 - **CIP3 Sizes and Offset parameters**
 - Monet For Flexo screen
- Solved Customer Issues

CIP3 Sizes and Offset parameters (2)

When taking over the Plate and Paper values from the file, the Plate and Paper size groups will be selected and disabled. When a single input file is selected and that input file contains information on the plate and paper sizes, the information from the file will be shown.

The Press Sizes and offsets can always be set, independent to the Plate and Paper values from the file.

	Width	Height	H Offset	V Offset
File	965.2 mm	635 mm		
<input checked="" type="checkbox"/> Plate	1066.8 mm	812.8 mm	0 mm	0 mm
<input checked="" type="checkbox"/> Press	1100 mm	850 mm	20 mm	15 mm
<input checked="" type="checkbox"/> Paper	965.2 mm	635 mm	-50.8 mm	-88.9 mm

What's new in Imaging Engine 16.1

- New Functionality
 - General
 - CTP Specific
 - CIP3 Paper parameters
 - **CIP3 Sizes and Offset parameters**
 - Monet For Flexo screen
- Solved Customer Issues

CIP3 Sizes and Offset parameters (3)

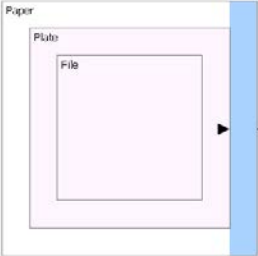
When defining all Sizes and offsets manually, a preview will be shown to help editing the correct values.

It shows

- The size groups that will be included in the output (.ppf files)
- The size or offset being edited by highlighting an area in the overview

Use plate and paper values from file

	Width	Height	H Offset	V Offset
File	965.2 mm	635 mm		
<input checked="" type="checkbox"/> Plate	1066.8 mm	812.8 mm	0 mm	0 mm
<input type="checkbox"/> Press	1100 mm	850 mm	20 mm	15 mm
<input checked="" type="checkbox"/> Paper	965.2 mm	635 mm	-50.8 mm	-86.9 mm



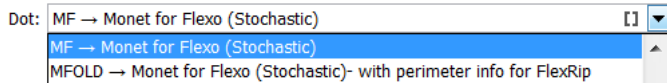
What's new in Imaging Engine 16.1

- New Functionality
 - General
 - CTP Specific
 - CIP3 Paper parameters
 - **CIP3 Sizes and Offset parameters**
 - Monet For Flexo screen
- Solved Customer Issues

Monet For Flexo screen

The Monet For Flexo screen is a special (old) screen containing perimeter information that map the threshold values to gray levels. This perimeter info is only used by FlexRip, not by Imaging Engine.

To generate the same output in Imaging Engine, a new screen has been made resulting in the same output as previously generated by FlexRip.



The old MF dot, resulting into bad output in Imaging Engine in 16.0.2, has been renamed to 'MFOLD'. The new screen resulting in the correct output is called 'MF'.

Remark that these Monet dots are only available if you have a "Imaging Engine Monet screens" license.

What's new in Imaging Engine 16.1

- New Functionality
 - General
 - CTP Specific
 - CIP3 Paper parameters
 - CIP3 Sizes and Offset parameters
 - **Monet For Flexo screen**
- Solved Customer Issues

Solved Customer Issues

- A list of all fixed customer issues can be found in the Release notes of Imaging Engine 16.1
- Some notable fixed customer issues
 - Fix for the “Too many ScreenSets” error
 - Improved logging for ‘font hinting’ issues
 - Some white line issues got solved
 - Wrong screening in uncolored patterns is now fixed
 - Some issues with public ink and screening parameters got solved.
 - When Proof Server was installed on separate machines, the verification strip is now being printed
 - Special characters in output path are fully supported

What’s new in Imaging Engine 16.1

- New Functionality
 - General
 - CTP Specific
- **Solved Customer Issues**

ESKO 