

Imaging Engine 23.07

What's new

29 May 2023

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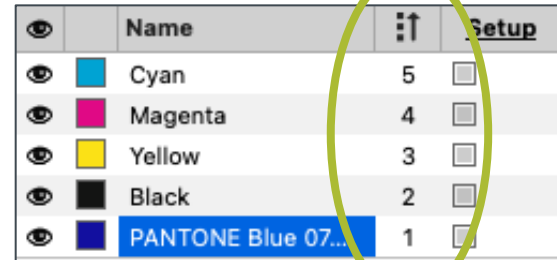
Product Manager Flexo Software













Imaging Engine 23.07 – What's new

- Support for Printing Units in CIP3 files
- Dynamic Mark with output parameter applied as Plate ID mark
- DuPont EASY BRITE screens cannot be applied on non-solid objects
- FlexRip / FlexProof tasks marked as 'Soon Outdated' in Automation Engine

Support for Printing Units in CIP3

- The concept of Printing Units was introduced in 22.07 (ArtPro+ and Imaging Engine). This is now also supported for CIP3 files
- When Printing Units are defined in a native PDF file, in ascending or descending (reverse) order, the order of separations in the CIP3 file is now set accordingly.



	Name		Setup
	 Cyan	5	<input type="checkbox"/>
	 Magenta	4	<input type="checkbox"/>
	 Yellow	3	<input type="checkbox"/>
	 Black	2	<input type="checkbox"/>
	 PANTONE Blue 07...	1	<input type="checkbox"/>

```
CIP3BeginFront
/CIP3AdmSeparationNames [ (PANTONE Blue 072 C) (Black) (Yellow) (Magenta) (Cyan) ] def
CIP3BeginPreviewImage
```

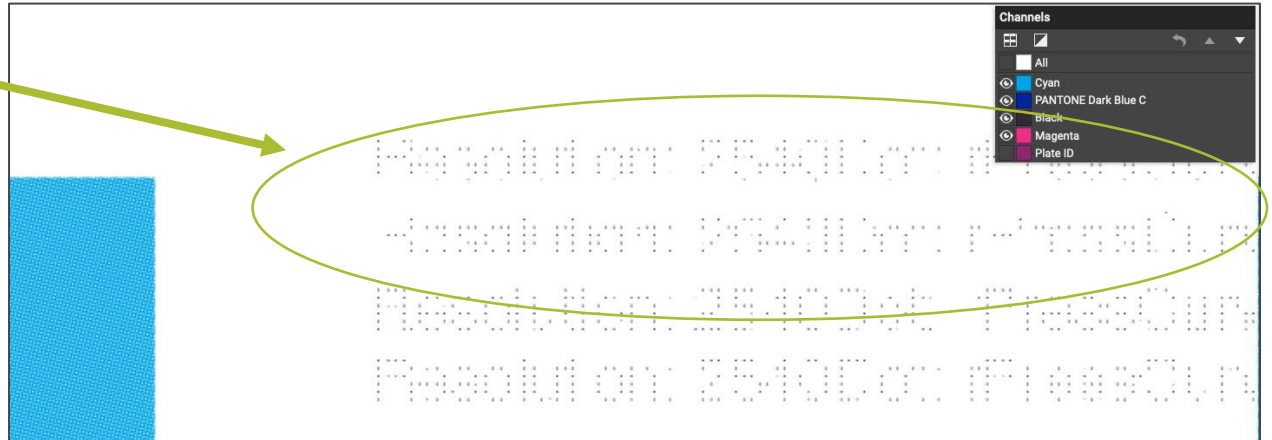
Support for Printing Units in CIP3

- If the order is invalid (error status in AP+), we follow the order but the task ends with the warning "The printing units are not in a strictly ascending or descending order!"
- When Printing Units are used, all separations that are being ripped need to have a Printing Unit. If one of them doesn't, then we take the normal separation order and the task gives a warning
- Printing Units for empty stations is not supported.

Dynamic Mark with output parameter as Plate ID

- Support for Dynamic Marks in Imaging Engine was introduced in 23.03
- A Dynamic Mark with output parameters and applied as a Plate ID mark is now also supported.

Plate ID mark with
output parameters e.g.
Dotshape, Press curve,
Resolution



DuPont - EASY BRITE screens

- DuPont EASY BRITE screens are designed to be used only for solids, and would generate incorrect output if used with a non-solid tint. To prevent this happening, the Imaging Engine task will now error out and thus preventing wrong output (checked on separation level).

The screenshot shows a software interface with a file list on the left and a log window on the right. The log window contains the following text:

```
====TASKEND
AE-Master: RDVMAE45
task: 8663
bg_prog_fastserver_v231
=====
ImagingJdfReport report
CONTROLLER :: Starting processing of job
Jun 15 2023 - 15:05:50
Jun 15 2023 - 15:05:50 @ Running

db4e15e8-e6ec-4a3c-a9b0-1f5a364b4041:Imaging.InterpretingProgress
db4e15e8-e6ec-4a3c-a9b0-1f5a364b4041:Progress:1

db4e15e8-e6ec-4a3c-a9b0-1f5a364b4041:Imaging.ProcessingProgress
db4e15e8-e6ec-4a3c-a9b0-1f5a364b4041:Progress:21
PMScreenManager.kPMException 3
Non-solid tint requested for DuPont EASY screen
EGRasterInterface.kNoOutputGeneratedForSurface 3 0
Worker-1:: Job: 3 Failed
Elapsed time to rip job: 3.505 seconds.
CPU time to rip job: 2.3125 seconds.
```

The error message "Non-solid tint requested for DuPont EASY screen" is highlighted with a blue background and a yellow oval. Below the log is a table showing the progress of various tasks:

File Name	Task Type	Progress	Phase	State	Launched
cmkPant_simple_image.pdf	Image to Screened Separations on rdvmae48	100%		✖	15/06/2023, 15:05
cmkPant_simple_image.pdf	Image to Screened Separations on rdvmae48	100%		✔	09/06/2023, 11:55
cmkPant_simple_image.pdf	Workflow	100%		✔	09/06/2023, 11:55
cmkPant simple image-PlateIDFix C applied.lenx.cmkP...	Prepare for Viewer	100%		✔	08/06/2023, 13:26

FlexRip/FlexProof tasks marked as 'Soon Outdated'

- All FlexRip/FlexProof tasks are marked as 'Soon Outdated'
 - More info can be found on 'Soon Outdated' tasks in [this](#) link
- This means we advise to migrate to Imaging Engine as soon as possible.
 - In the next slide we've listed what the advantages are of Imaging Engine
 - We've also listed a couple of questions you might have in this [KB](#)
 - If you don't find your answer or you need help to migrate to Imaging Engine, please contact Esko Aftercare

Advantages of Imaging Engine compared to FlexRip

“really happy about the speed: from hours to minutes”

Based on Adobe’s worldwide used **APPE** (Adobe PDF Print Engine)

Latest Windows support

Multi-processor/Multi-threading 64 bit RIP

Scalable performance
Higher throughput

Native PDF support

Processing Steps support
Dynamic Marks support

Simplified user interface via Automation Engine Pilot (1 location only)

In-rip generation of **viewing files** for reduced waiting times

Support for **printing conditions** to optimize screens and curves for the press

Support for advanced **Crystal screening** optimized for CDI & Crystal XPS

“ripping time on flexrip 3 hours, same job in Imaging Engine 15min”

Print simulation files to do QA for advanced screening (Crystal screens, Concentric, ...)

In-rip **scum dots clean up**

Pre-rip and multithreaded Image Resampling for improved performance

ESKO*