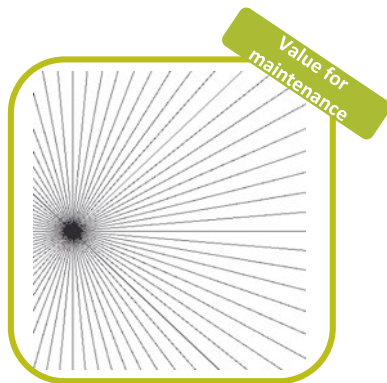


What's new in Imaging Engine 20.1



Imaging Engine 20.1 Overview

Fine Line Rendering



Value for
maintenance

- Finer rendering of line art and contoured text

Adobe Print Engine



Value for
maintenance

- APPE 5.5 implementation

PDF Distortions



Value for
maintenance

- Link to the new PDF Distortion functionality in ArtPro+

Others



Value for
maintenance

- Public parameters improvements
- PCW Corrugated support
- Honoring PDF output intent
- Linked Artwork warning

Fine Line Rendering

- Fine Line Rendering is suitable for all print applications which need to reproduce fine text and artwork.
- Other terms used in the field: 'center scan rendering' and 'thin fill'
- This mode became available following joint development work between Esko & Adobe
- This option gives finer appearance for line art (including contourized text), similar to FlexRip output
- **Important:** Imaging Engine will continue to use standard Adobe rendering by default. The 'Fine Line Rendering' option must be selected to enable it.
- More info: [KB306301409: Imaging Engine - When should I select Fine Line Rendering](#)

Fine Line Rendering – Where is the option?

- The 'Fine Line Rendering' option is located on the 'Output' tab

The screenshot displays the 'Output' tab in the ESKO software interface. On the left, a sidebar lists various settings categories: General, Transformations, PDF Objects, Document Inks, Output (highlighted in blue), Separations, Corrections, Exceptions, and Summary. The main panel contains the following settings:

- File Name: [File]_p[Page]_[Shortlink] [icon]
- Folder: [Folder URL]/Output [icon]
- [Set Overwrite Policy...](#)
- File Type: TIFF File [icon]
- File Assembly: 1 File Per Separation [icon]
- Output Type: Separate [icon]
- Compression: LZW [icon]
- ☐ Make all output files ready for viewing [icon]
- Resolution: 2540 ppi [icon]
- ☒ Fine Line Rendering [icon]
- ☐ Compensate for outline thickness [icon] (soon outdated)

The 'Fine Line Rendering' checkbox is highlighted with a red rectangular box.

Fine Line Rendering – Effect on text rendering

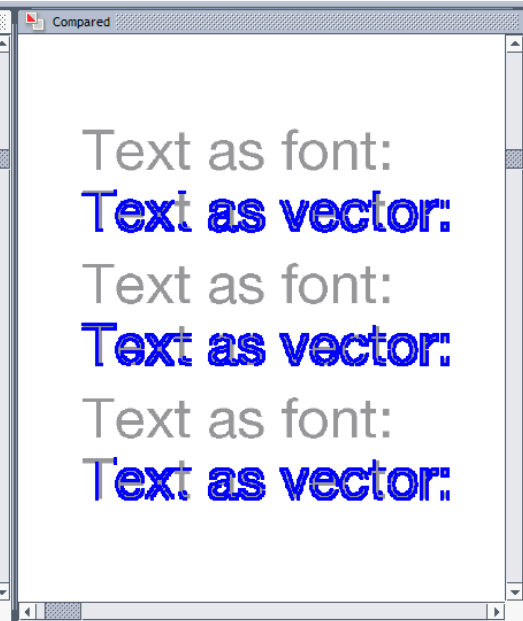
Standard Rendering



20.1 Fine Line Rendering



The difference



Fine Line Rendering – Complex contourized glyphs

Standard Rendering

20.1 Fine Line Rendering

The difference



Fine Line Rendering – Barcodes

20.1 Fine Line Rendering

FlexRip

The difference



Barcodes with Fine Line Rendering have similar output to FlexRip.

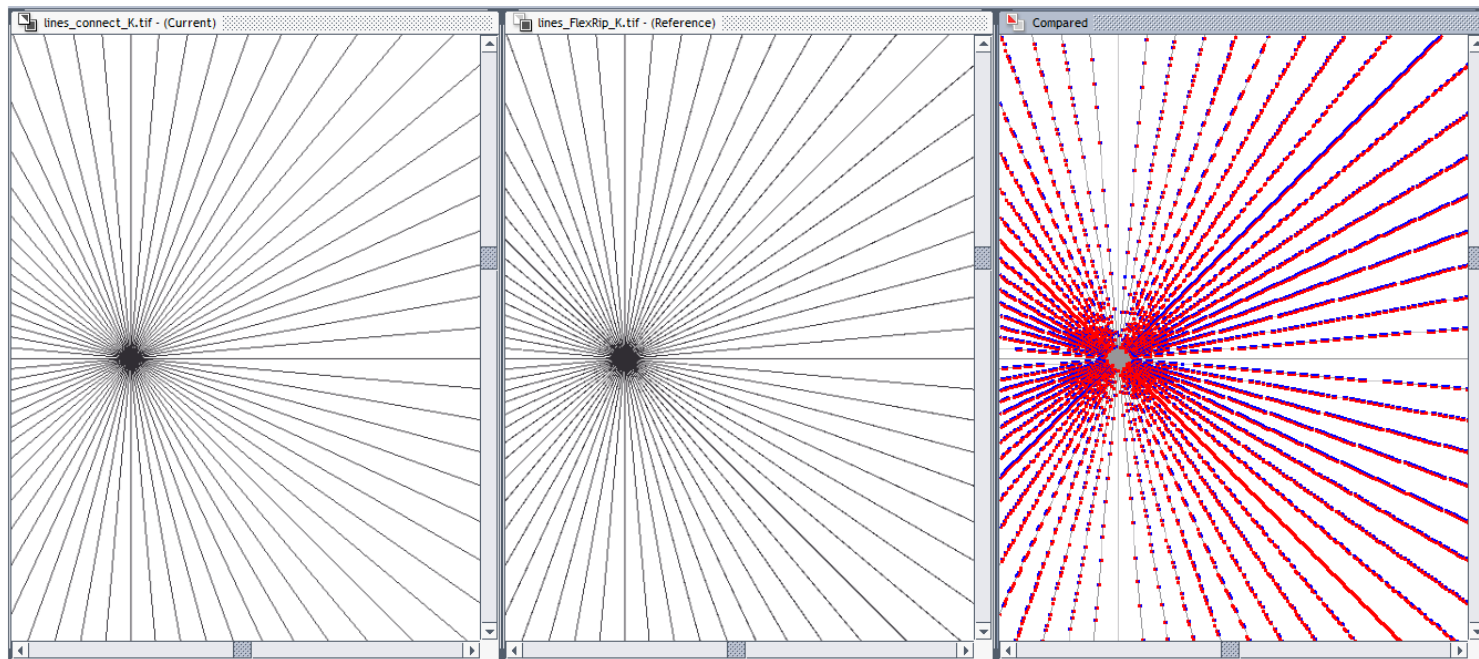
Note: we still recommend not to mix FlexRip and Imaging Engine on the same job

Fine Line Rendering – Fine lines

20.1 Fine Line Rendering

FlexRip

The difference



This example shows that Fine Line Rendering output is similar in appearance to FlexRip, but not pixel for pixel identical.

Fine Line Rendering – Good to know

- Ripping speed
 - Activating 'Fine Line Rendering' has no noticeable impact on the ripping speed
- 'Fine Line Rendering' versus 'Compensate for outline thickness'



A screenshot of a software interface showing rendering options. At the top, 'Resolution: 2540 ppi' is displayed next to a small square icon. Below this, there are two checkboxes. The first checkbox is checked and labeled 'Fine Line Rendering' with a small square icon to its right. The second checkbox is unchecked and labeled 'Compensate for outline thickness' with a small square icon to its right and the text '(soon outdated)' in parentheses.

- Cannot be activated at the same time
- 'Fine Line Rendering' will fully replace the 'Compensate for outline thickness' option in the future
- Transition period of several releases to allow customers to migrate to 'Fine Line Rendering'


Fine Line Rendering – FlexRip vs Imaging Engine

- Rendering is similar to FlexRip but not pixel-identical
- It is still different RIP technology
- All separations of a job should be made with either FlexRip or Imaging Engine
- Do not mix FlexRip separations with separations made with Imaging Engine with Fine Line Rendering
- More info: [KB303096220: Is Fine Line Rendering the same as FlexRIP?](#)

Adobe PDF Print Engine (APPE) 5.5

- Imaging Engine 20.1 is based on APPE 5.5


The screenshot shows the ESKO Innovation Hub website with a red background. At the top left is the ESKO logo, followed by 'INNOVATION HUB'. On the right are links for 'Webinars' and 'Contact'. The main content area features the Adobe logo and a quote from Naveen Goel, GM & Senior Director of Products at Adobe, praising the 'Fine Line Rendering' feature in Adobe PDF Print Engine 5.5. The quote states that printers migrating to Imaging Engine 20.1 will benefit from the latest Adobe rendering technology while maintaining the look and feel of FlexRIP output, which is critical for barcodes, security printing, and small point size text. At the bottom left, there is a navigation arrow and the text 'All innovations for labels & flexible packaging'. At the bottom center is a mobile phone icon. At the bottom right is a close button (X). A green footer bar at the very bottom contains the text: 'This website uses cookies and other tracking technologies. By using this website, you are agreeing to our [Privacy Policy](#).'

ESKO 

INNOVATION HUB

Webinars


Contact


 Adobe

“With the new Fine Line Rendering feature in Adobe PDF Print Engine 5.5, printers who migrate to Imaging Engine 20.1 will benefit from the latest Adobe rendering technology, while maintaining the look and feel of FlexRIP output. This is especially critical for barcodes, security printing and small point size text which has been outlined.”

Naveen Goel, GM & Senior Director of Products, Adobe

← All innovations for labels & flexible packaging

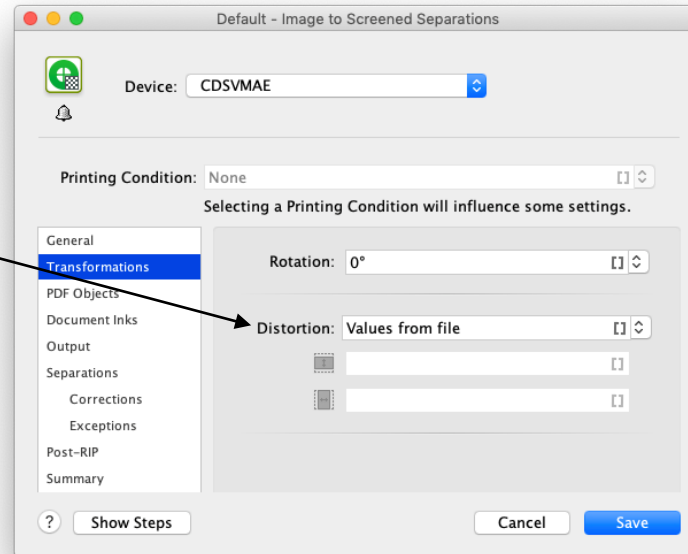
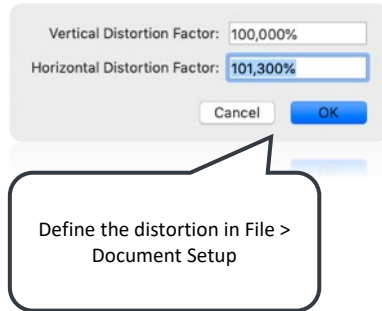




This website uses cookies and other tracking technologies. By using this website, you are agreeing to our [Privacy Policy](#).

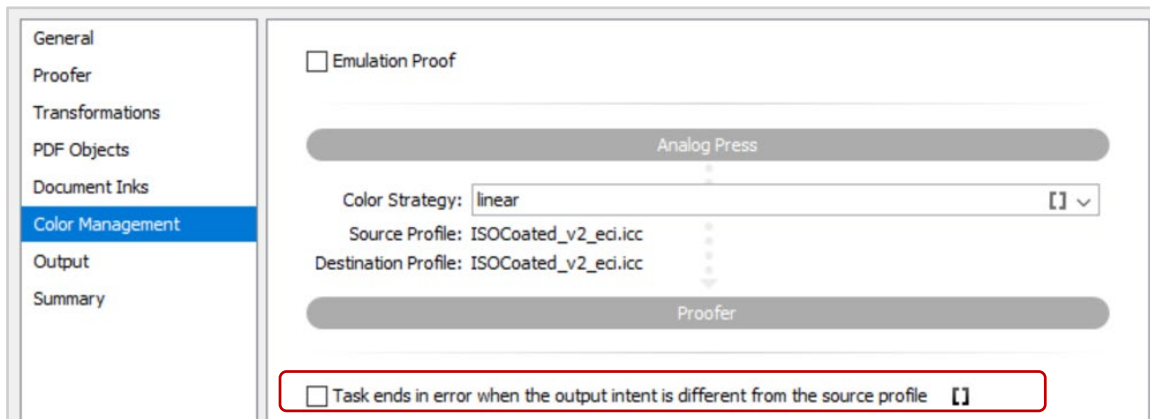
Support for distortions in PDF files

- You can now add distortion meta data to your PDF using ArtPro+
- The distortion can be executed by Imagine Engine 20.1
- Note: Imaging Engine only accepts values between 90% and 110%



Honoring the PDF's output intent

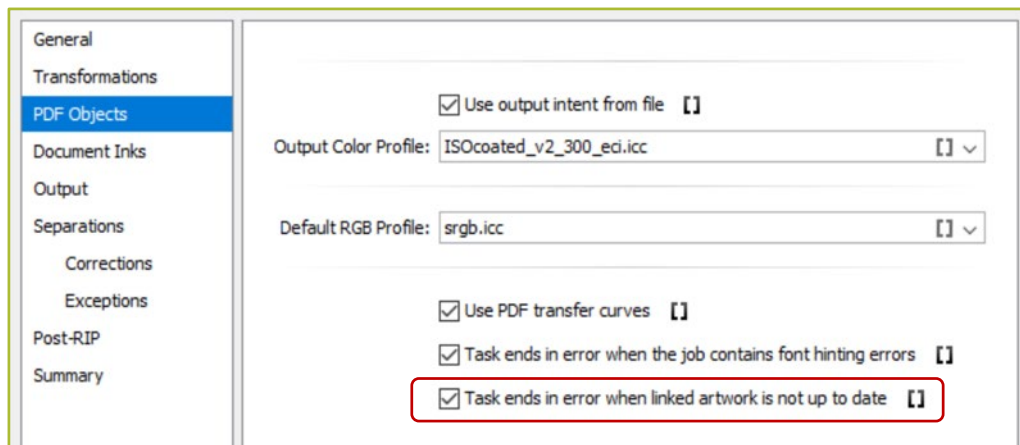
- The Proof for Contract Approval and the Image to Unscreened Proof tasks now warn when there is a mismatch between the (document level) output intent of the PDF file and the source profile of the selected Color Strategy
- Toggle Task ends in error when the output intent is different from the source profile



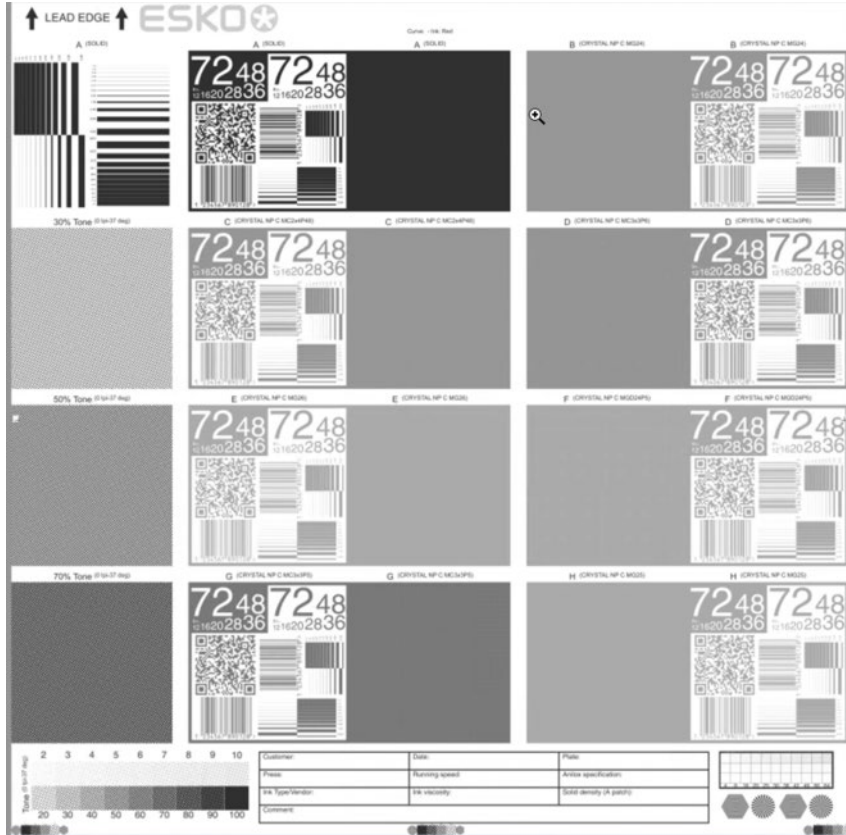
- More info: [KB306306810: Imaging Engine 20.1 - Info on warning/error when output intent is different than source profile](#)

Warning for outdated linked artwork

- Imaging Engine warns when linked artwork in a PDF file is not up to date
- This can be raised to error level by means of a new option:
 - Toggle Task ends in error when linked artwork is not up to date
 - Located on the PDF Objects tab
- The first 5 outdated links are listed in the task details



Printing Conditions for Corrugated



- Support for new Corrugated Crystal Screens in Print Control Wizard 20.1
- Separate license required for Print Control Wizard
- More information available in Print Control Wizard 20.1

Public ink and screen selection

- The Ink and Screening parameters from the input file are visible again
- 20.1 now supports customers that want to use this interface to verify the rulings and angles of the input file but supports customization as well

Ink and Screening Selection: ☐ All inks

Inks:

<input checked="" type="checkbox"/>	Ink Name	Ink Book	Ruling	Angle	Dot Shape	Ink Type	Printing...
<input checked="" type="checkbox"/>	C	process	150.0 lpi, 180.0 lpi	7.5 °	SimpleDot, CRS01	Normal	Unknown
<input checked="" type="checkbox"/>	M	process	150.0 lpi, 180.0 lpi	67.5 °	SimpleDot,		
<input checked="" type="checkbox"/>	Y	process	150.0 lpi, 180		SimpleDot,		
<input checked="" type="checkbox"/>	K	process	150.0 lpi, 180		SimpleDot,		
<input checked="" type="checkbox"/>	PANTONE 287 C	PANTONE+ Soli...	150.0 lpi, 180		CRS01		
<input checked="" type="checkbox"/>	stans	designer	150.0 lpi	45.0 °	R		

Screens in file:
150.0 lpi, 7.5°, SimpleDot
180.0 lpi, 7.5°, CRS01
Click to define a custom value.

Hover over the Ruling or Angle field for more detailed info

Please note that the settings of the file might still get overruled by the ticket

Values that are grayed out are settings of the file and can be overruled by the ticket unless you customize them here. Click a screening setting to customize.

ESKO*