What's new in Imaging Engine, Print Control Wizard, **Curves & Screening** & Flexo Engine 22.03



Imaging Engine



Calculate Ink Key Settings(CIP3) – Extra Paper Parameters

Paper parameters for Heidelberg presses

Following parameters were added to the *Paper Data* tab and are Heidelberg proprietary CIP3 extensions:

- Add paper parameters for Heidelberg presses
- Paper Name
- Paper Type Front
- Paper Type Back
- Grain Direction

/HDMPaper CIP3BeginPrivate
/HDMGrainDirection /XDirection def
/HDMPaperName (Glossy) def
/HDMPaperTypeBack /mattcoated def
/HDMPaperTypeFront /glosscoated def
CIP3EndPrivate

CIP3 (*.ppf) file content

Default - Calculate Ink K	(ey Settings (CIP3)		-		×
File View Advanced					
Device: RDVM	1AE23	~			
General	141-1-1-1-1				
Transformations	Weight:				
PDF Objects	Thickness:				
Processing Steps	Type:				
Inks					-
Sizes and Offsets	Color L:				1
Production Data	a:				1
Paper Data	b:				1
Output					
Summary		Add paper parameters for Heidelberg presses			
	Paper Name:	Glossy			0
	Paper Type Front:	Gloss Coated		[]	J
	Paper Type Back:	Matt Coated		[]	~
	Grain Direction:	Along X Direction		[]	~
Show Steps			Save	Can	cel



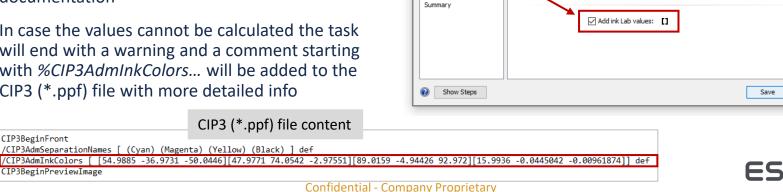
Calculate Ink Key Settings(CIP3) – Ink Lab values

Ink Lab values

CIP3BeginFront

CIP3BeginPreviewImage

- The Add ink Lab values option offers the possibility to add the Lab values of the selected inks to the CIP3 (*.ppf) file
- The corresponding key in the CIP3 file (*.ppf) is CIP3AdmInkColors
- Detailed info on how these Lab values are calculated can be found in the online user documentation
- In case the values cannot be calculated the task will end with a warning and a comment starting with %CIP3AdmInkColors... will be added to the CIP3 (*.ppf) file with more detailed info



Default - Calculate Ink Key Settings (CIP3)

Device: RDVMAE23

Customer Name:

Job Name Template: [File]

Job Code Template: [File]

Copies:

Guiding Sheet Edge: Undefined

Work Style: Undefined

Sheet Name Template: Sheet << thame plate sheetnumber/>>>

File View Advanced

* 171

A

General

Transformations

Processing Steps Inks

PDF Objects

Sizes and

Paper Data

Output

Production Data

X

[]

[]

[]

[]

[]

[] ~

[] ~

Cancel

 \sim

Screen angles and rulings from native PDF files are now respected

- The value of the Use From File option allows screen angles and rulings from the input PDF file to be used
- Before Imaging Engine 22.03, angles and rulings from file could only be used if the PDF file was written by Esko (and had proprietary Esko screening information)
- From version 22.03, these values can be used from any PDF file that contains them

Printing Condition: None			- L1 ~
Selectin	ng a Printing Condition will	influence some settings.	
General			
Transformations		Seamless screening	
PDF Objects	Use From File:	All [] 🗸	Advanced Screening Settings
Processing Steps		None	
-	Deb	All	
iks		Angle only	[] ~
Dutput	Angle Set:	Ruling only	[] ~
Japar		Angle and ruling	
Separations	Ruling:	149 lpi	[] ^

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Digital Film Set XMP Data for PDF(+) input files

- The Digital Film Set XMP data added to the Imaging Engine output files for PDF(+) input files is based on the info present in the PDF(+) data only, XMP data of the input file is NOT used anymore
- Following keys that were missing in previous versions have now been added as well:
 - printingmethod
 - inknrsoriginal



Print Control Wizard, Curves & Screening



Print Control Wizard Value for Care Plan features

- Improvements UX
- Filtered plate list for each application
- In the Plate type field it's possible to fill in any plate type
- Select basic dot for Corrugated Standard Post Print
- Corrugated HQPP Printing Standard default on 'cmyk_Linear color'
- Plate & Press Calibration Wizard simplified
- Save Report available for unfinished printing condition
- Load and save measurements easier

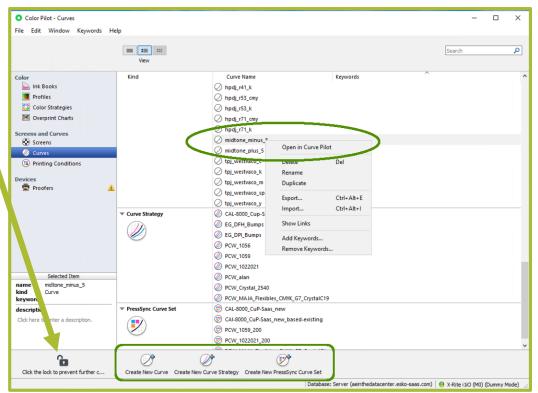
Tools: improved connection to AE SaaS

- No need for a local Automation Engine and Imaging Engine anymore when using Curve Pilot, HD Flexo Screens or ScreenManager
 - Can now be started from within Color Pilot
- Color Pilot connects to the Datacenter and downloads the resources via the AE Syncer tool just like before
- New licenses available for Curve Pilot replacing the need for a complete IE license

Tools: improved connection to AE SaaS

 After unlocking you are able to edit or create curves from within Color Pilot

- Curves (dgc), Curve strategy or PressScync curve set
 - You can double click or right click and open a curve
 - or create a new curve with the buttons below

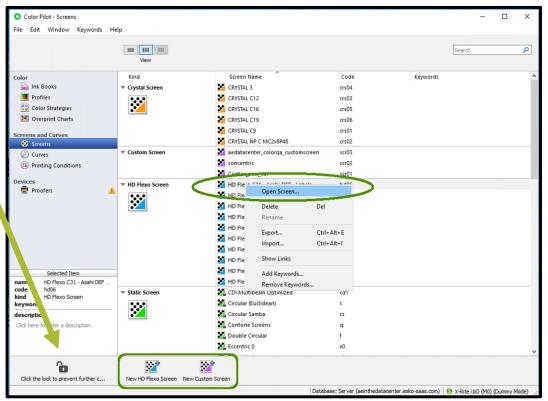




Tools: improved connection to AE SaaS

 After unlocking you are able to open or create a screen from within Color Pilot

- HD Flexo screen or Custom screen:
 - You can double click or right click and open a curve
 - or create a new curve with the buttons below





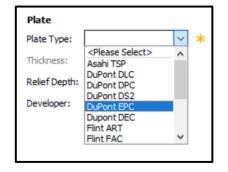
Print Control Wizard – Improved UX

Mandatory fields are now indicated with a yellow star

Color Pilot - CorrugatedHQPP_Print	ingStandard						-		×
File Edit Window Keywords He	lp								
Color	Printing Conditions > (1) Corrug	atedHQPP_Pr	rintingStandard						
Profiles Color Strategies	This printing condition is not s Add your plate making characteristi								
	General	×	Imager	Exposure		Plate			
Screens and Curves Screens	Board	1	Imager Type: <please select=""> 🗸 🔆</please>	Exposure Type:	<please select=""> V *</please>	Plate Type:	<please select<="" td=""><td>t> •</td><td>~ 🗸</td></please>	t> •	~ 🗸
Curves	Ink Set and Printing Standard Plate Making	~	Optics: <please select=""> <> *</please>	Description:	Add a description	Thickness:	<please enter:<="" td=""><td>> mr</td><td>n</td></please>	> mr	n
😆 Printing Conditions	Press	0	Resolution: 2540 V ppi 🗸			Relief Depth:	<please enter:<="" td=""><td>> mr</td><td>n</td></please>	> mr	n
Devices	Screens and Curves	0				Developer:	Solvent		~
🖶 Proofers 🔔									
Enterprise Servers Esko Cloud									
		<							

Print Control Wizard – Plate list

- Filtered plate list according to used Application
 - Depending on which application chosen (Flexibles, Labels, Corrugated) you will get the according plate list with the available plate thicknesses



- Plate Type & thickness has the autocomplete function
 - E.g. if you type 'Dupont' then you'll see all Dupont plate types and you can select the one you required

Plate Type:	Dupo	~ 🗸
-	DuPont DLC	7
Thickness:	DuPont DPC	
Relief Depth:	DuPont DS2	
react bepan	DuPont EPC	
Developer:	Dupont DEC	



Print Control Wizard – Plate list

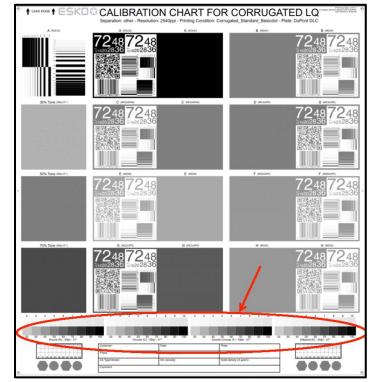
- It's now also possible to fill in any plate name
 - You can type any plate name even if not in the list. If the plate name is not from the list, you can type in any thickness
 - A warning is shown: "When using XPS, we advise to use an XPS certified plate type."

Plate			
Plate Type:	Plate xxx	~	~
Thickness:	<please enter=""></please>	mm	
Relief Depth:	<please enter=""></please>	mm	
Developer:	Solvent	~	



PCW – Basic dot for Corrugated Standard PP

- Corrugated Standard Post Print
 - In previous version it always used the C dot
 - Chart contains now the 4 basic dots (R, C, E, F) so you can select the best dot
 - Or you select manually one of the basic dots





Print Control Wizard – Corrugated HQPP

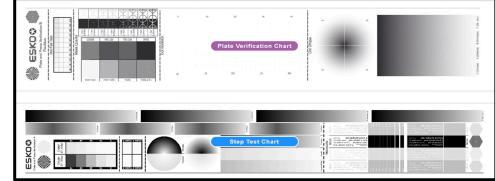
Printing Standard default on 'cmyk_Linear color'

When making a new printing condition for <u>Corrugated High Quality</u> <u>Post Print</u>, we selected already a good printing standard. The 'cmyk_LinearColor' is a linear curve which is good for corrugated printing.

Color Pilot - CorrugatedHQPP_Printi	ingStandard						
File Edit Window Keywords Help							
Color	Printing Conditions > (3) Corrug	gatedHQF	PP_Print	ingStandard			
Profiles	This printing condition is not Add your ink set and printing stand						
	General	~		Ink Set and Printing	Standard		
Screens and Curves	Board	 Image: A second s		Ink Set:	~	✓	
Screens	Ink Set and Printing Standard	 	-	Printing Standard: cmy	k LinearColor 🗸 🗸	Vhat is a Printi	ng Standard2
O Curves	Plate Making	*	-	Frinding Standard. City		White is a Print	id Standard:
Printing Conditions	Press	0					
Devices	Screens and Curves	0		Details			
🖶 Proofers 🔒				Name	Ink Book	Desired Curve	50% Desired
Enterprise Servers				cyan	process	Linear	50.0 (%∆E-P)
Enterprise Servers				magenta	process	Linear	50.0 (%∆E-P)
				yellow	process	Linear	50.0 (%∆E-P)
			<	black	process	Linear	50.0 (%∆E-P)

PCW – Plate & Press Calibration Wizard simplified

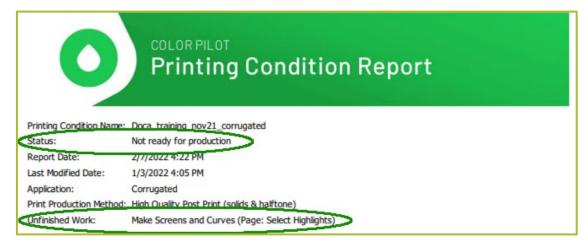
- 2 calibration charts for plate and press have been renamed, indicating clearly the purpose:
 - Plate verification chart
 - To check the plate quality
 - No need to print
 - Steptest chart
 - to determine the pixelboost and screening
 - contains now 4 basic dots
 - Only this one to be printed





PCW – Report available for unfinished pc

• "Save Report" available even if your printing condition is not finished yet



- Report contains
 - status: 'not ready for production'
 - Unfinished work



PCW – Load and Save measurements easier

- The 'load measurements' and 'save measurements' is now available in the 'cogwheel' in the mindot and tonescale field window.
- No need to stop the spectro first

Measure Mindot Chart - Sample 1		
	Reconnect Spectrophotometer Calibrate Spectrophotometer Stop Spectrophotometer Load Measurement	Reconnect Spectrophotometer Calibrate Spectrophotometer Stop Spectrophotometer Save measurement Measure Line by Line Measure Patch by Patch
Place chart on table and dick Next.	Measurement Condition	Measurement Condition
	☆ ▼	

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Flexo Engine



Support for additional XPS Imaging Technologies

Plate Merger

Following XPS Imaging Technologies were added in 22.03:

- Speed XPS
- Standard XPS

• • •	Default - Submit to Plate Merger
₽	
	General Custom Fields
Merge Queue:	No Merge Queue Selected
Rotation:	Set by Merge Queue
Imaging Technology	/ Standard Pixel+
Due Date	Full-HD
	Round Top XPS Crystal UV
Label	Speed UV
Position	Speed XPS Standard XPS
	Select SmartName and rotations
	Apply cutting flow
Cutting Flow:	No Cutting Flow Selected
? Show Steps	Cancel Save



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