Calibration & Screening What's new 23.07

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Robert Bruce Product Manager Flexo Software



Calibration & Screening 23.07 – Overview

- Print Control Wizard
 - Crystal V C screen made less stochastic
 - UX improvements
 - 'Select Highlights' page more logical
 - Printing Unit properties: extra field 'Other properties to add info
- HD Flexo Screens
 - functionality to create HD Flexo Screens is moved to Color Pilot (for SaaS)
- Curve Pilot
 - dummy measurement available as setting in the Preferences



- A small change/fix is done for the Crystal V C screen; it's made less stochastic for Flexibles and Labels:
 - Our existing Crystal V C, available since 22.07 could cause some graininess in some specific color overprints
 - Crystal V C screens generated with 23.07 will be less stochastic
- There is no change for the dotgain compensation curve and overprint behavior (greylevels are the same)

Note: there is no change for Crystal V NP screens (NP = Non Pixel+)



• The Crystal V C screen is made less stochastic for Flexibles and Labels





- The 'Select Highlights' page in the Wizard is more logical
- Printed colors from the chart are visualized via tabs
- Resulted screen is shown in the table below

Magenta (CMY) Black	Orange (O	GV)	Pri	nte	dc	olor	rs c	on t	he	cal	ibr	atio	n cl	nart							
Measurement	undot Char	t - Mager	ita (CMY)										What are	mindots?							
Dot	Size (px)	0 6	9	12	16	19	22	25	30	36	43	48 5	4 60	Solid							
Mindot Distance - 0.21	mm (1/1)	2.	3.5	4.9	6.7	7.5	8.9	10.2	13.4	17.0	20.9	23.6 27	1 30.0			FL	W				
0.29	mm (1/2)	0.1	1.5	2.2	3.1	3.8	4.4	5.1	6.3	7.1	8.7	9.8 11	6 13		1. Analysis of me	neasu	asurements				
0.41	nm (1/4)	0.	0.5	0.8	1.3	1.6	1.9	2.3	2.9	3.5	4.3	4.9 5.	5 6.3								
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- Printing Unit properties
- New field 'Other Properties' to enter additional info related to a Printing Unit
 - e.g. you can add info on Plate or Printing Sleeve

Press			O Printing	Unit Properties -	Cyan	>
Press Brand:	<please enter=""></please>					
Press Type:	<please select=""></please>	~	Ink Proper	ties		
Press Size:	<please select=""></please>	~	Brand:	<pre>Please Enter ></pre>		
Printing Speed:	<please enter=""></please>	m/min	Type:	<please select=""></please>		~
			Viscosity:	<please enter=""></please>	sec	
Press Inks						
Name	Ink	Anilox	Anilox Prop	oerties		
cyan			Brand:	<please enter=""></please>		
magenta			Type:	<please enter=""></please>		
black			Line Screen:	<please enter=""></please>	lpi	
Printing Init P	Properties		Angle:	<please enter=""></please>	•	
Thirting office	roperaco		Cell Volume:	<please enter=""></please>	BCM	
			Tape Prope	erties		
			Brand:	<please enter=""></please>		
		(Other Prop	erties rer>		



HD Flexo Screens integrated in Color Pilot

- HD Flexo Screens can now be installed from Color Pilot, as such you don't need the standalone application 'HD Flexo Screens' anymore
 - Use case is for SaaS environments, as the standalone application does not work with licenses on the SaaS server
- Same HD Flexo Screens database and functionality to create:
 - HD Flexo Screens
 - HD Flexo Screen chart
- If you are working in an 'on promise' environment, you can still use the standalone 'HD Flexo Screens' application (still available as desktop icon)



HD Flexo Screens integrated in Color Pilot

• Within Color Pilot you have the button 'New HD Flexo Screen'

 Selecting an installed HD Flexo Screen gives you the details on the right





HD Flexo Screens integrated in Color Pilot

- Click the button 'New HD Flexo Screen', you get this window
- On top you select:
 - Plate
 - Application
- Via the link you can open an extra window to create a screen selection chart



Color Pilot 23.07 – What's new

- Reference curves from the dgc database are now visible in the curves explorer in Color Pilot
 - Indicated as a different curve type with their own group
 - can be deleted if not used
 - CoP can show the links between reference and other dgc curves
 - possible to turn a dgc curve into a reference curve via right mouse click

Color Pilot - Curves		
File Edit Window Keywords	Tools Help	
	View	
Color	Curve Name	Kind Keyword
应 Ink Books	S0t44test	Reference Curve
Profiles	O doca_refcurve	Reference Curve
Color Strategies	🥏 dotgain_ISO	Reference Curve
Overprint Charts	GRACol G7 CMY	Reference Curve
Deinting	GRACol G7 K	Reference Curve
Screens	O ISO12647-2_A	Reference Curve
Ø Curves	Ø ISO12647-2_B	Reference Curve
(I) Printing Conditions	ISO12647-2_C	Reference Curve
0	O ISO12647-2_D	Reference Curve
Fabruarian Commun	O ISO12647-2_E	Reference Curve
Sko Cloud	O ISO12647-2_F	Reference Curve
	🖉 ref	Reference Curve
	🥲 doca_A_10	PressSync Curve Set
	Ø doca_dummy_measurement	PressSync Curve Set



Curve Pilot 23.07 – What's new

 Using a dummy measurement is now easy via a setting in the Preferences of Curve Pilot
Curve Pilot (Pro) 23.07 [DGC Folder: \\RDVMASAE\bg_data_dgc_v010]

 This way you can import your measurements in case measuring is done on another pc

Preferences
_ DGC
Densitometer measures:
Number of Compensation Values: 11 v
PressSync Flexible PressSync ☐ Enabled
Import/Export Text File
Decimal Separator: point ~



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