

# Print Control Wizard

What's New 22.11

Robert Bruce

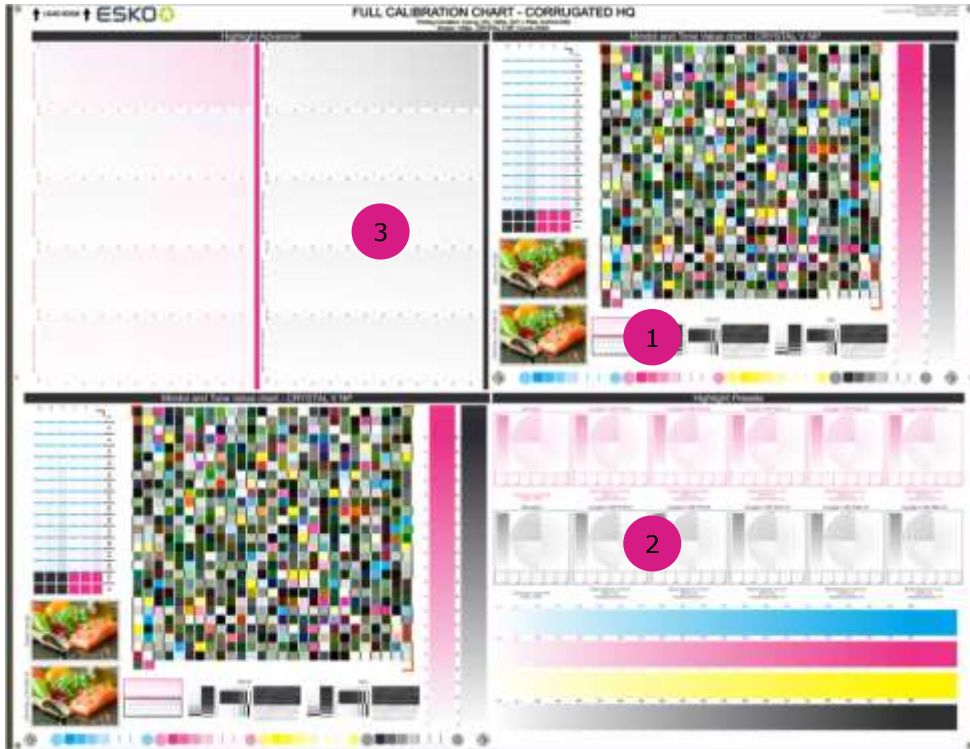
Product Manager Flexo Software

# Print Control Wizard: Pixel Boost Set Up

Pixel Boost Step Test chart used for Flexibles & Labels available in different rulings



# Corrugated High Quality Post Print:



Calibrate screens, curves and produce an ICC profile with one print run

2540dpi imaging to utilize the full speed of the CDI

No pixel+ required

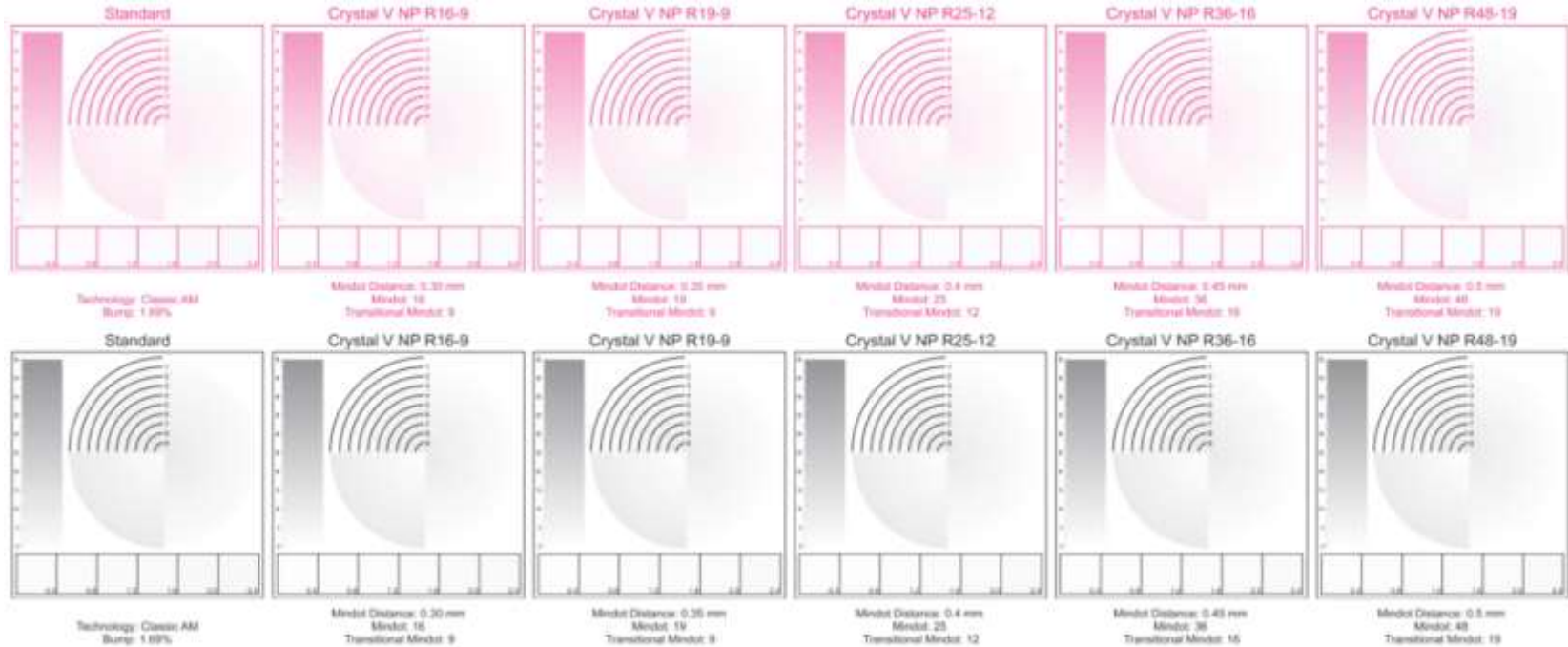
# 1 Corrugated High Quality Post Print: Test Chart



## Min Dot & Tone Value

1. Automatically collate and determine the min dot information using an i1i0
2. Build DGC curves and ICC profile
3. Long vignettes for printing the full tonal range
4. Compare images: Crystal V vs Standard Screening
5. Check text

# Corrugated High Quality Post Print: Test Chart



Possibility to use pre-built screens which showed the best performance during our internal investigations.

# 3 Corrugated High Quality Post Print: Test Chart



Highlights

Freedom to select your min dot setting

# Print Control Wizard: Reporting




Information on Min Dot distance, bump (estimated lightest tone) & transition point is now available in the 'Selection Highlights' page and in the Report.



COLOR PILOT  
Printing Condition Report

Printing Condition Name: Flexibels\_demo\_27sept  
Status: Ready for prod  
Report Date: 9/27/2022 2:4  
Last Modified Date: 9/27/2022 2:4  
Application: Flexibles

### Print Calibration Details

Name	Ink Book	Angle	Screen Name	Adjustment Curve 150 lpi	Mindot Δ	ELTV	150 lpi
 cyan	process	15.0°	crs16 (CRYSTAL V C 16-9)	D - 44 (Min0.17%,k0.39%,h10065,s75)	0.70 mm (1/18)	0.4%	2.5%
 magenta	process	75.0°	crs16 (CRYSTAL V C 16-9)	D - 43 (Min0.17%,k0.39%,h10066,s66)	0.70 mm (1/18)	0.4%	2.5%
 yellow	process	0.0°	crs16 (CRYSTAL V C 16-9)	E - 43 (Min0.17%,k0.39%,h13765,s5)	0.70 mm (1/18)	0.4%	2.5%
 black	process	135.0° (=45.0°)	crs16 (CRYSTAL V C 16-9)	E - 41 (Min0.17%,k0.39%,h10159,s6)	0.70 mm (1/18)	0.4%	3.0%
Other Inks		135.0° (=45.0°)	crs16 (CRYSTAL V C 16-9)	E - 41 (Min0.17%,k0.39%,h10159,s6)	0.70 mm (1/18)	0.4%	3.0%

# Print Control Wizard: Print Quality Check

This printing condition is ready for production!  
Printing will be according to the chosen printing standard (70\_Color\_PDF0402) and Target Profile (PrintJob\_2011\_MediaJob)

Solid densities

	Measured				Printing Standard				Density				
	L*	a*	b*	T	L*	a*	b*	T	Measured	Entered	Density	Tolerance	
Substrate	96.2	2.0	-0.4	2.4	96.2	2.0	-0.4	2.4	204.8	0.00	0.00	--	
Cyan	50.1	-33.2	-46.3	59.8	50.1	-33.2	-46.3	59.8	0.05	0.05	0.05	--	
Magenta	52.3	75.9	-32.0	75.9	52.3	75.9	-32.0	75.9	0.05	0.05	0.05	--	
Yellow	82.0	-0.6	99.9	98.1	82.0	-0.6	99.9	98.1	0.05	0.05	0.05	--	
Black	17.9	2.0	-0.2	4.3	308.2	17.9	2.0	-0.2	4.3	308.2	0.00	0.30	--
Red (magenta + yellow)	51.8	63.2	51.7	51.7	51.8	63.2	51.7	51.7	28.2	0.06	4.20	--	
Green (cyan + yellow)	52.6	-63.2	34.1	32.1	52.6	-63.2	34.1	32.1	181.8	0.00	4.20	--	
Blue (cyan + magenta)	32.7	39.1	-42.9	52.8	305.1	32.7	39.1	-42.9	52.8	0.00	4.20	--	
CMY Composed	29.8	3.0	6.4	7.1	64.8	24.0	-3.0	6.4	7.1	89.2	0.00	--	

all Profiles: (25,28,34,5) (25,28,34,5) ...

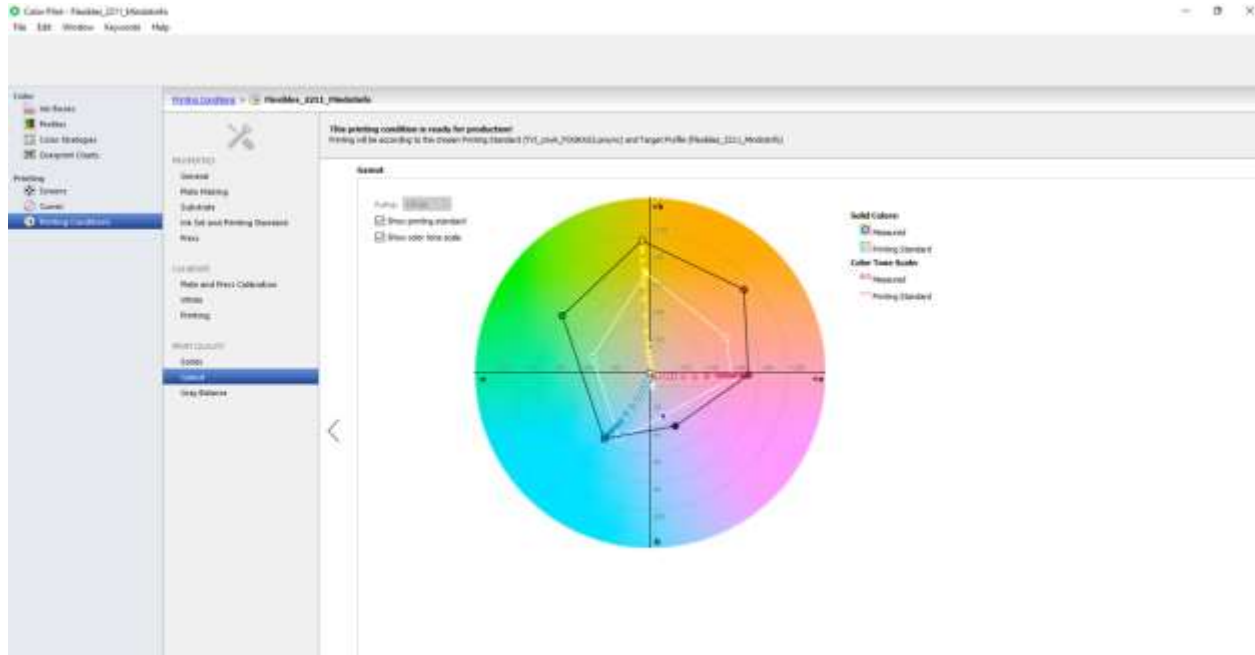
Save Report... Save and Close

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User interface enhancements with quality checks for Solids, Gamut & Gray Balance

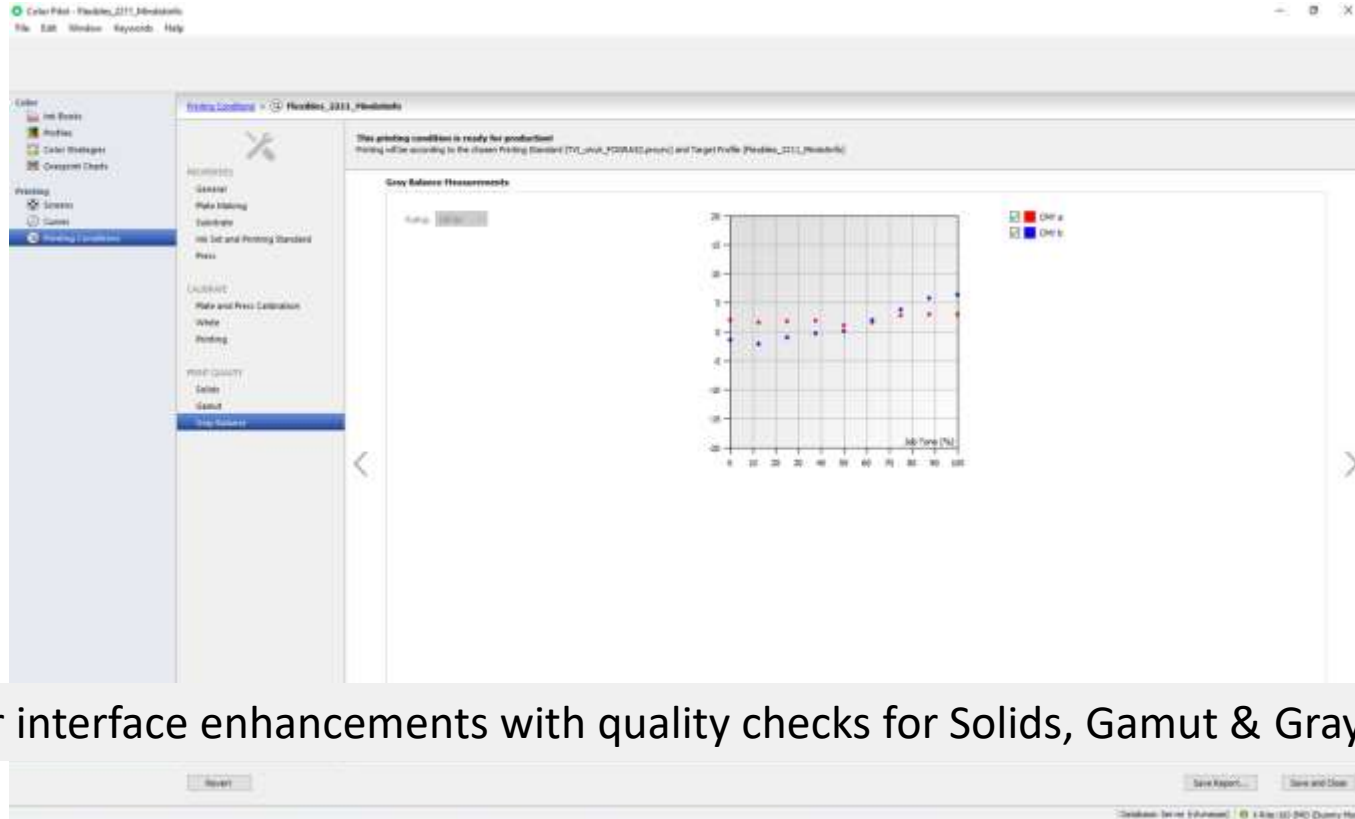


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User interface enhancements with quality checks for Solids, Gamut & Gray Balance

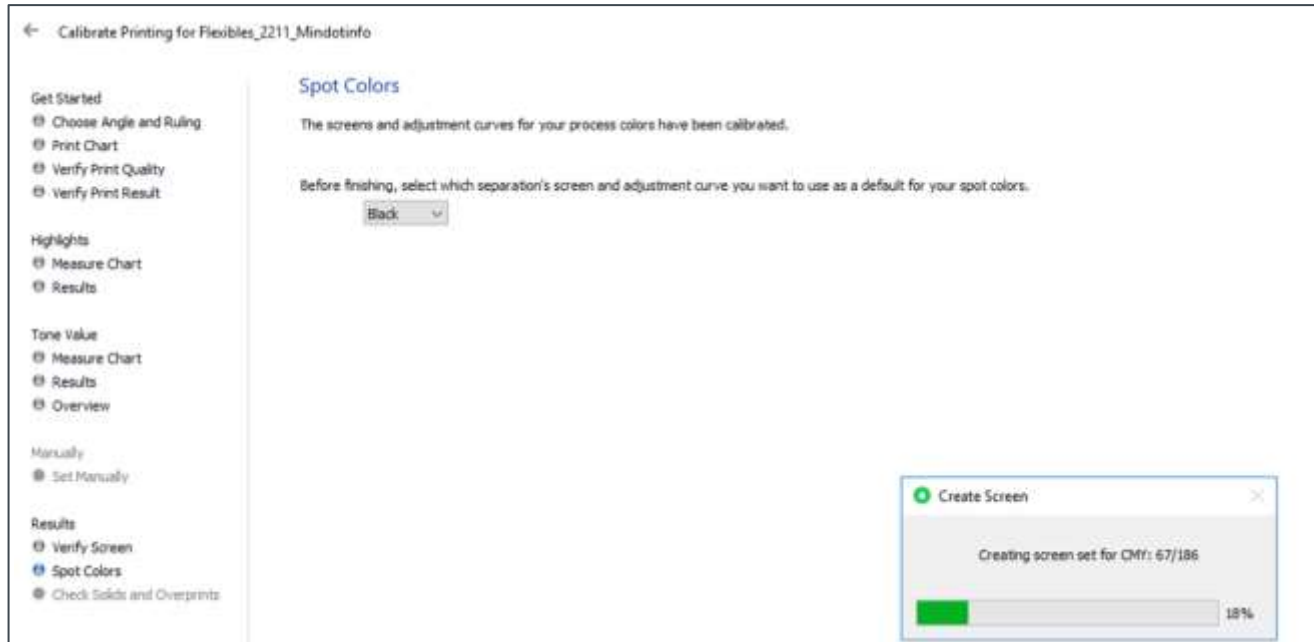
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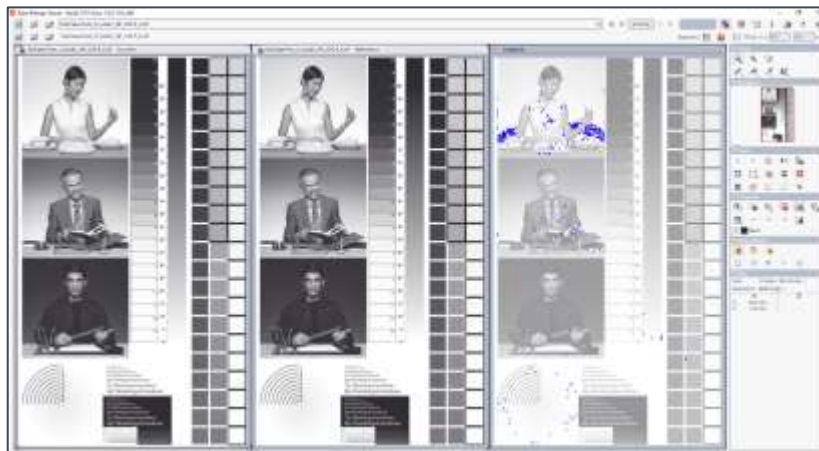
# Print Control Wizard: Test Chart & Screen

- The generation of the **Fingerprint Test Chart & Crystal V Screen** is now faster vs 22.07
  - Final speed improvements depend on the server configuration



# Print Control Wizard – Dot Cleanup Crystal V

- The 'Clean up Scum dots' in the Imaging Engine Ticket (Post Rip tab) has been **optimized for Crystal V** (made with Print Control Wizard). This results in better output.
- Previous clean-up implementation with 2 min dots has been improved by:
  - screens that mix solid dots with P+ dots increasing losing grey level when cleaned up
  - dot compacting criteria working on Crystal V NP screens



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