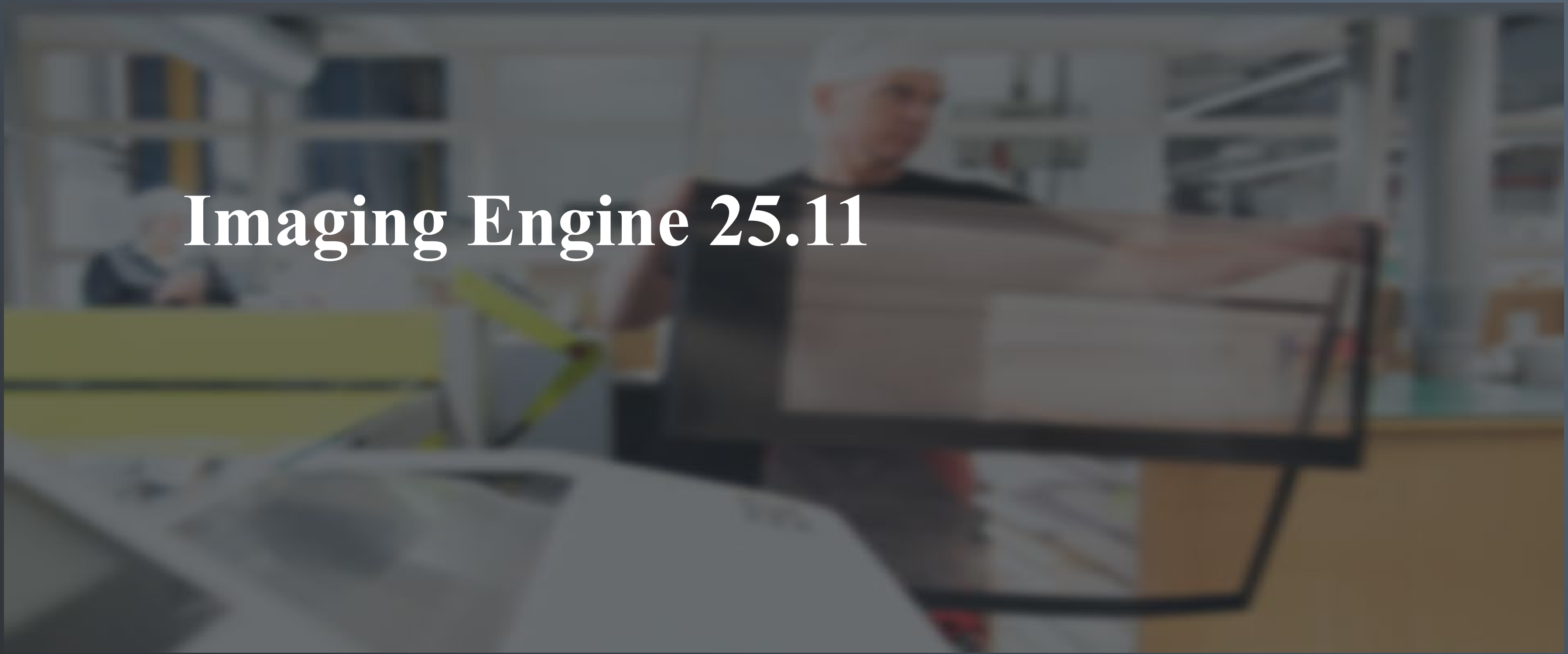
What’s new in 25.11

Print Control Wizard

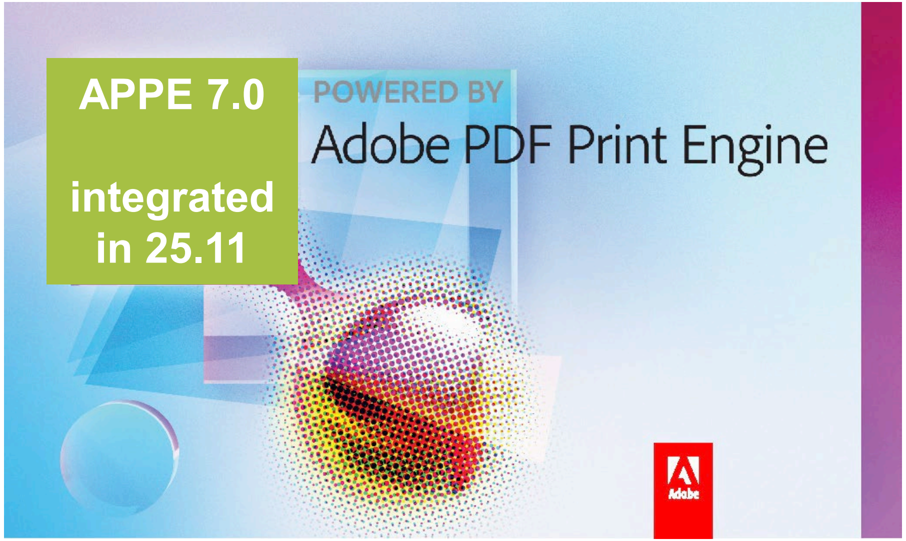
Imaging Engine

Imaging Engine 25.11



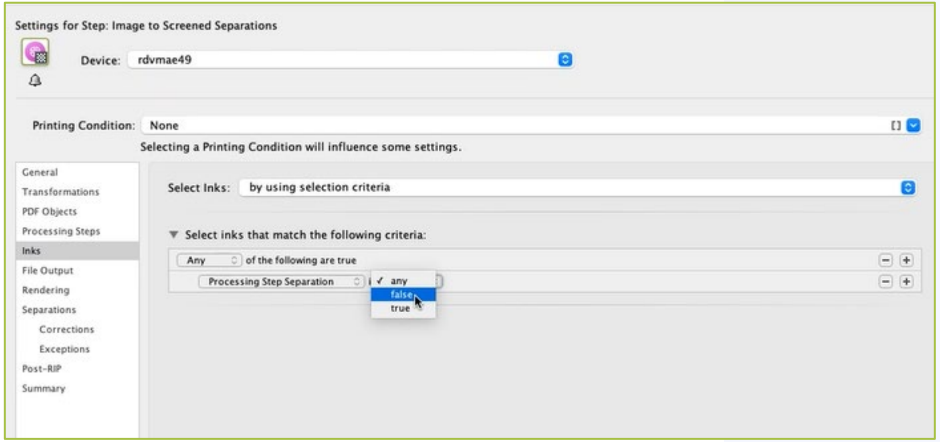
New APPE 7.0 integrated

- The new Adobe PDF Print Engine 7.0 is integrated in Imaging Engine.



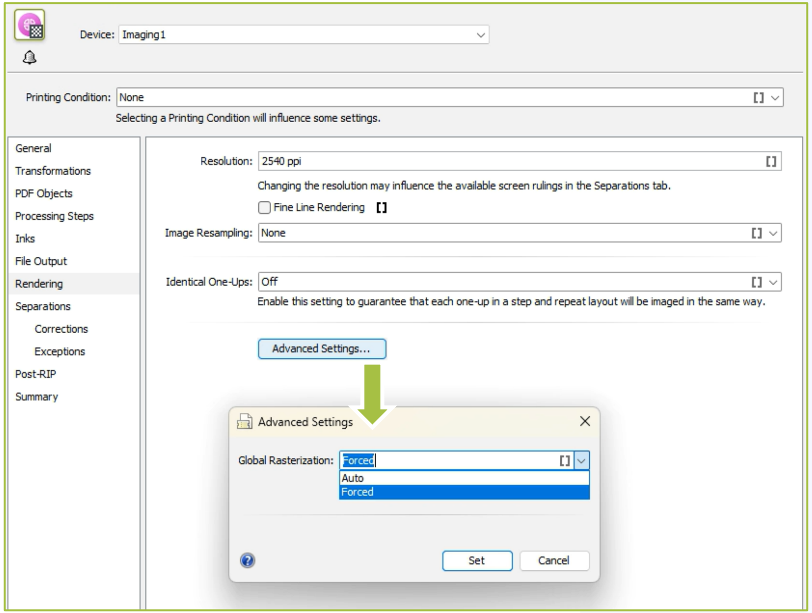
Selection on processing step separations

- An additional ink selection rule 'Processing Step separation' has been introduced.
    - allows users to choose inks exclusively applied within artwork or processing step layers.
    - enables customers to continue utilizing their existing files and marks while ensuring that Processing Step separations are excluded from the output.



Global Rasterization option

- Global Rasterization: method of flattening in the Adobe PDF Print Engine; using a pixel-to-pixel color blending which is faster.
- new option in the Rendering tab 'Advanced Settings' with Global Rasterization set to 'Auto' (default). For some jobs giving bad output, you can put it on 'Forced'. This might cause slower ripping but for some jobs give correct output.
- This option **replaces the need to install a hotfix** in previous versions.



Print Control Wizard 25.11

Overview 25.11

Verify Substrate & Solids New

- New wizard page, replacing former Check Solids & Overprints page
- Verifies the measurements against the Printing Standard
- Simplifies the choice of saving a new Press Profile

Anilox Properties New

- Now allow to specify a type

New Page: Verify Substrate & Solids

Why do we need this?

Verify if the print is OK

Useful for later **verifications**

e.g.
'Update Curves'

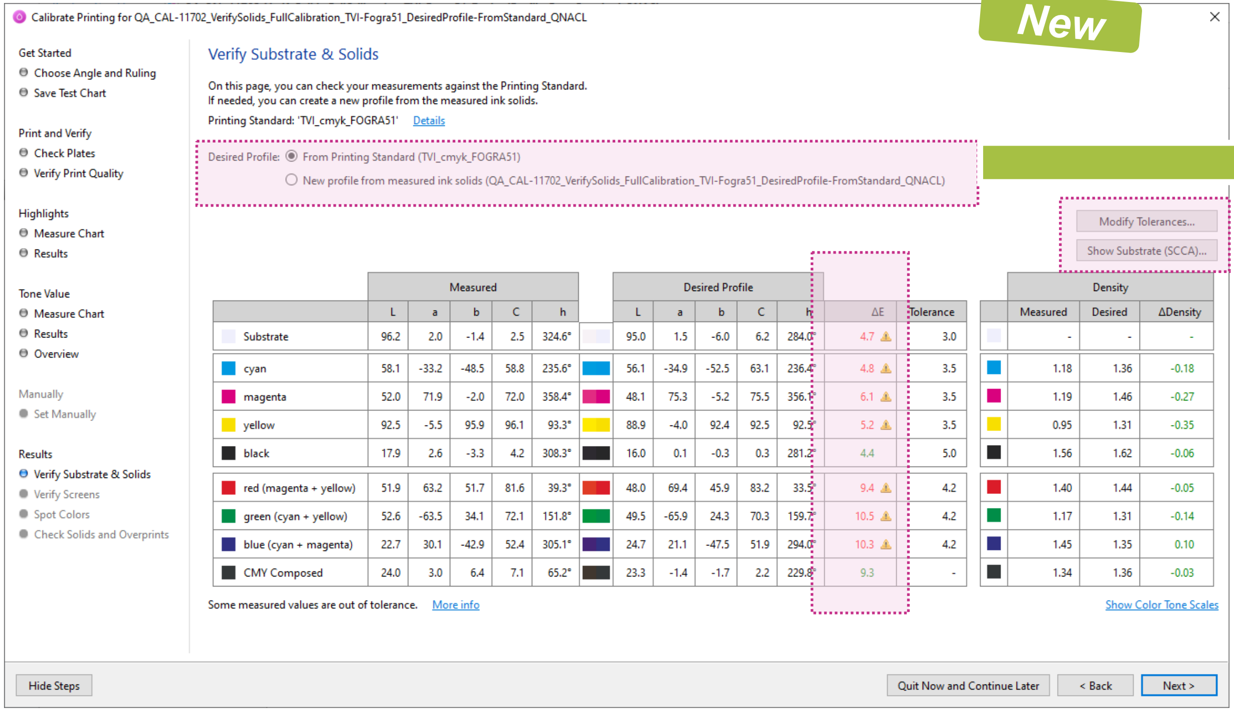
Useful for later **FM Calibration**
Allows to compare to AM calibration

Replaces former complex page

Check Overprints & Solids

Print Control Wizard 25.11

Verify Substrate & Solids



	Measured					Desired Profile							Density		
	L	a	b	C	h	L	a	b	C	h	ΔE	Tolerance	Measured	Desired	ΔDensity
Substrate	96.2	2.0	-1.4	2.5	324.6°	95.0	1.5	-6.0	6.2	284.0°	4.7 ⚠	3.0	-	-	-
cyan	58.1	-33.2	-48.5	58.8	235.6°	56.1	-34.9	-52.5	63.1	236.4°	4.8 ⚠	3.5	1.18	1.36	-0.18
magenta	52.0	71.9	-2.0	72.0	358.4°	48.1	75.3	-5.2	75.5	356.1°	6.1 ⚠	3.5	1.19	1.46	-0.27
yellow	92.5	-5.5	95.9	96.1	93.3°	88.9	-4.0	92.4	92.5	92.5°	5.2 ⚠	3.5	0.95	1.31	-0.35
black	17.9	2.6	-3.3	4.2	308.3°	16.0	0.1	-0.3	0.3	281.2°	4.4	5.0	1.56	1.62	-0.06
red (magenta + yellow)	51.9	63.2	51.7	81.6	39.3°	48.0	69.4	45.9	83.2	33.5°	9.4 ⚠	4.2	1.40	1.44	-0.05
green (cyan + yellow)	52.6	-63.5	34.1	72.1	151.8°	49.5	-65.9	24.3	70.3	159.7°	10.5 ⚠	4.2	1.17	1.31	-0.14
blue (cyan + magenta)	22.7	30.1	-42.9	52.4	305.1°	24.7	21.1	-47.5	51.9	294.0°	10.3 ⚠	4.2	1.45	1.35	0.10
CMY Composed	24.0	3.0	6.4	7.1	65.2°	23.3	-1.4	-1.7	2.2	229.8°	9.3	-	1.34	1.36	-0.03

New

Try to match the Printing Standard

OR

Save to a new Press profile

Important:
this does NOT influence the curve

esko

Verify Substrate & Solids

How do we use this page?

	Desired Profile						
	L	a	b	C	h	ΔE	
	95.0	1.5	-6.0	6.2	284.0°	4.7	
	56.1	-34.9	-52.5	63.1	236.4°	4.8	
	48.1	75.3	-5.2	75.5	356.1°	6.1	
	88.9	-4.0	92.4	92.5	92.5°	5.2	
	16.0	0.1	-0.3	0.3	281.2°	4.4	
	48.0	69.4	45.9	83.2	33.5°	9.4	
	49.5	-65.9	24.3	70.3	159.7°	10.5	
	[illegible]	21.1	-47.5	51.9	294.0°	10.3	
	[illegible]	-1.4	-1.7	2.2	229.8°	9.3	

Step 1
Is the Print OK?

Maybe something went wrong during printing?

Print is **NOT OK!**

→ STOP calibration and go back to Press

Adjust **color targets** to match the material being printed on; ignores the substrate

(SCCA)

This does NOT influence the curves

Verify Substrate & Solids

How do we use this page? Advanced option

Desired Profile					
L	a	b	C	h	ΔE
95.0	1.5	-6.0	6.2	284.0°	4.7
56.1	-34.9	-52.5	63.1	236.4°	4.8
48.1	75.3	-5.2	75.5	356.1°	6.1
88.9	-4.0	92.4	92.5	92.5°	5.2
16.0	0.1	-0.3	0.3	281.2°	4.4
48.0	69.4	45.9	83.2	33.5°	9.4
49.5	-65.9	24.3	70.3	159.7°	10.5
24.7	21.1	-47.5	51.9	294.0°	10.3
	-1.4	-1.7	2.2	229.8°	9.3

Step 2: Check Tolerances

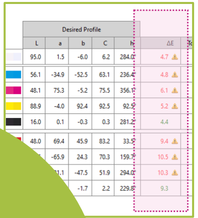
Tolerances are set to narrow?

→ Fine-tune the tolerances of the selected Printing Standard to align with the print condition

This does NOT influence the curves

Verify Substrate & Solids: HOW?

How do we use this page?



	Desired Profile						
	L	a	b	C	h	ΔE	To
	95.0	1.5	-6.0	6.2	284.0°	4.7	
	56.1	-34.9	-52.5	63.1	236.4°	4.8	
	48.1	75.3	-5.2	75.5	356.1°	6.1	
	88.9	-4.0	92.4	92.5	92.5°	5.2	
	16.0	0.1	-0.3	0.3	281.2°	4.4	
	48.0	69.4	45.9	83.2	33.5°	9.4	
		-65.9	24.3	70.3	159.7°	10.5	
		[illegible]1.1	-47.5	51.9	294.0°	10.3	
			-1.7	2.2	229.8°	9.3	

Step 3:
Save the measurements to a new Press profile

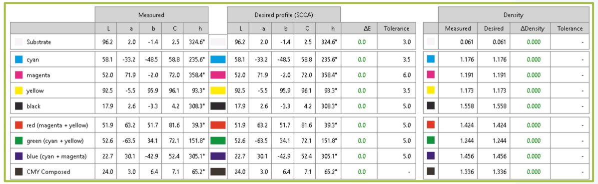
Verify Substrate & Solids

On this page, you can check your measurements against the Printing Standard.
If needed, you can create a new profile from the measured ink solids.

Printing Standard: 'TVI_cmyk_FOGRA51' Details

Desired Profile: ○ From Printing Standard (TVI_cmyk_FOGRA51)

◉ New profile from measured ink solids (Flex_Crystal_demo)



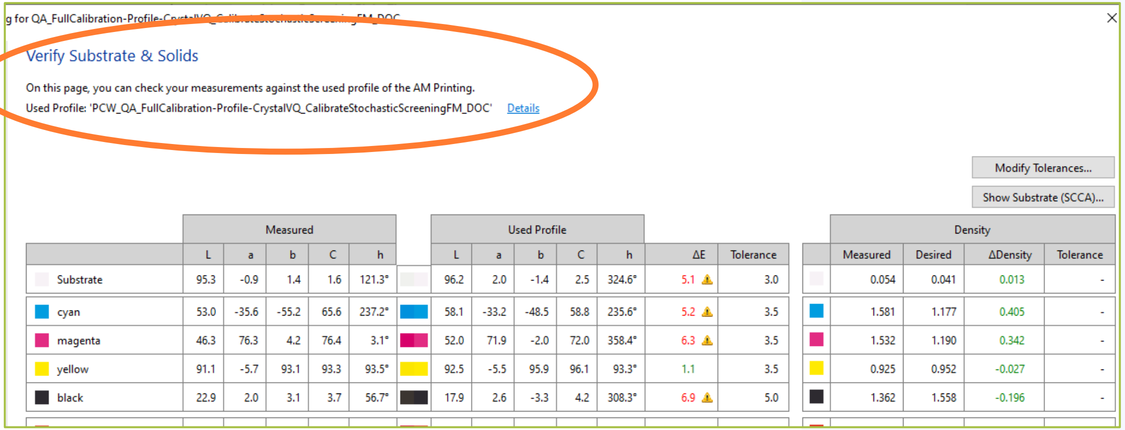
	Measured						Desired profile (SCCA)								Density			
	L	a	b	C	h		L	a	b	C	h	ΔE	Tolerance		Measured	Desired	ΔDensity	Tolerance
Substrate	96.2	2.0	-1.4	2.5	324.6°		96.2	2.0	-1.4	2.5	324.6°	0.0	3.0		0.061	0.061	0.000	-
cyan	58.1	-33.2	-48.5	58.8	235.6°		58.1	-33.2	-48.5	58.8	235.6°	0.0	3.5		1.176	1.176	0.000	-
magenta	52.0	71.9	-2.0	72.0	358.4°		52.0	71.9	-2.0	72.0	358.4°	0.0	6.0		1.191	1.191	0.000	-
yellow	92.5	-5.5	95.9	96.1	93.3°		92.5	-5.5	95.9	96.1	93.3°	0.0	3.5		1.173	1.173	0.000	-
black	17.9	2.6	-3.3	4.2	308.3°		17.9	2.6	-3.3	4.2	308.3°	0.0	5.0		1.558	1.558	0.000	-
red (magenta + yellow)	51.9	63.2	51.7	81.6	39.3°		51.9	63.2	51.7	81.6	39.3°	0.0	5.0		1.424	1.424	0.000	-
green (cyan + yellow)	52.6	-63.5	34.1	72.1	151.8°		52.6	-63.5	34.1	72.1	151.8°	0.0	5.0		1.244	1.244	0.000	-
blue (cyan + magenta)	22.7	30.1	-42.9	52.4	305.1°		22.7	30.1	-42.9	52.4	305.1°	0.0	5.0		1.456	1.456	0.000	-
CMY Composed	24.0	3.0	6.4	7.1	65.2°		24.0	3.0	6.4	7.1	65.2°	0.0	-		1.336	1.336	0.000	-

Use the Press Profile for Proofing

Verify Substrate & Solids

FM Calibration (Crystal S)

- **Verify Substrate & Solids:** Compare FM calibration measurements against:
  - The Printing Standard, or
  - **The profile saved in the AM calibration**


g for QA_FullCalibration-Profile-

Verify Substrate & Solids

On this page, you can check your measurements against the used profile of the AM Printing.

Used Profile: 'PCW_QA_FullCalibration-Profile-CrystalVQ_CalibrateStochasticScreeningFM_DOC' Details

Modify Tolerances...

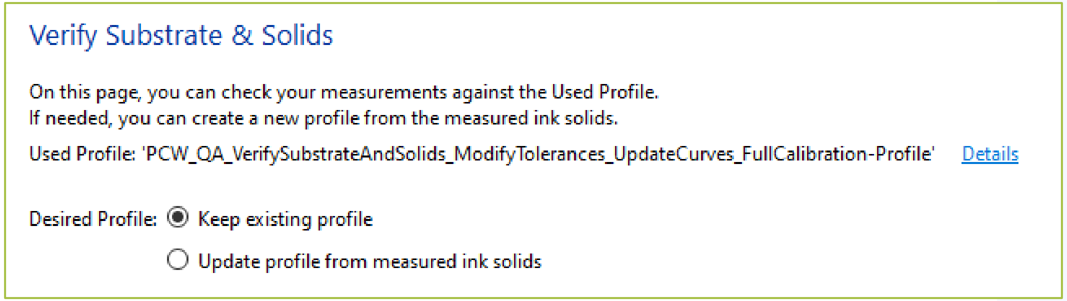
Show Substrate (SCCA)...

	Measured					Used Profile							Density			
	L	a	b	C	h	L	a	b	C	h	ΔE	Tolerance	Measured	Desired	ΔDensity	Tolerance
Substrate	95.3	-0.9	1.4	1.6	121.3°	96.2	2.0	-1.4	2.5	324.6°	5.1	3.0	0.054	0.041	0.013	-
cyan	53.0	-35.6	-55.2	65.6	237.2°	58.1	-33.2	-48.5	58.8	235.6°	5.2	3.5	1.581	1.177	0.405	-
magenta	46.3	76.3	4.2	76.4	3.1°	52.0	71.9	-2.0	72.0	358.4°	6.3	3.5	1.532	1.190	0.342	-
yellow	91.1	-5.7	93.1	93.3	93.5°	92.5	-5.5	95.9	96.1	93.3°	1.1	3.5	0.925	0.952	-0.027	-
black	22.9	2.0	3.1	3.7	56.7°	17.9	2.6	-3.3	4.2	308.3°	6.9	5.0	1.362	1.558	-0.196	-

Verify Substrate & Solids

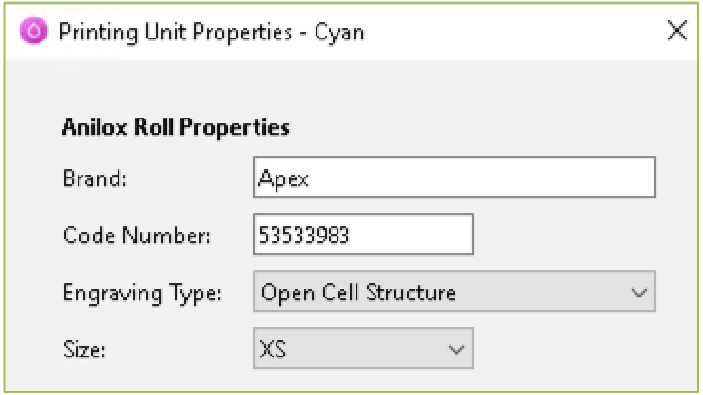
Update Curve calibration

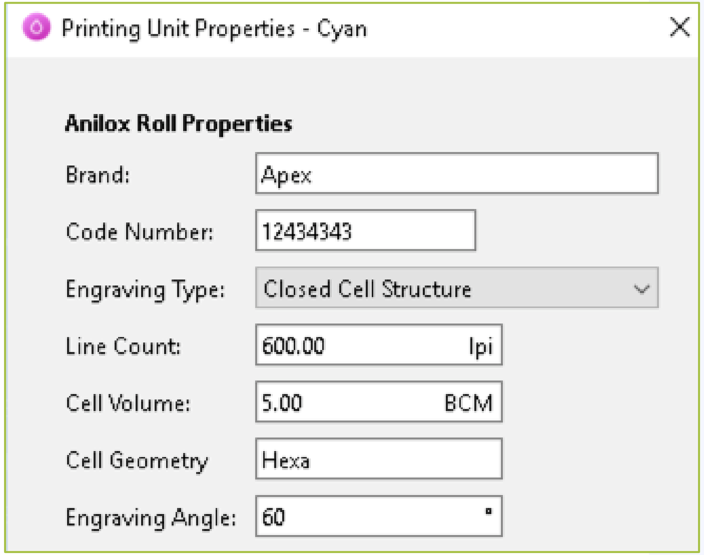
- **Verify Substrate & Solids:** Check solids first before updating the curve:
  - You get a comparison between the measurements and the desired values from the used profile.
  - useful to decide whether to continue making new curves, keep the old curves or go back to the press to check



New anilox properties

- Anilox properties containing the engraving type





Questions? Please contact:
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