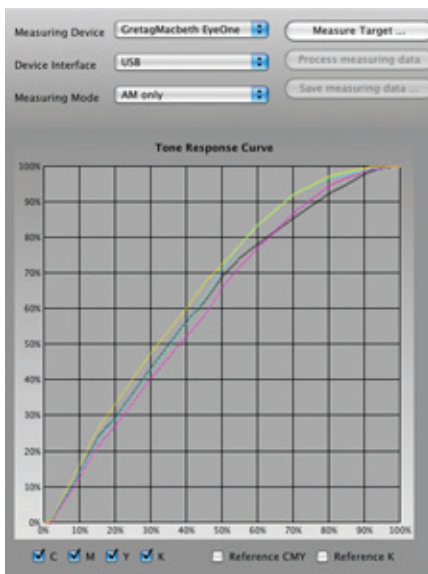




Calibri print control



Put an end to the annoying and time-consuming spot measurements and editing of correction curves. There's a better and easier way – with Calibri print control, the perfect way to an ultimate calibration of your printing machines.

With Calibri the setting-up and maintenance of your printing devices is mere child's play. Get security on the printing behaviour of your machine. With Calibri you can easily and fast control whether for instance the dot gain value and the end densities correspond to the PSO specifications. Calibri not only enables a visible control on the condition of your device, but Calibri may also be used to generate correction curves for your image setter RIP.

The only requirement for the usage of Calibri is a spectral densitometer. With the samples contained in the scope of shipment it is possible to document the working characteristics of your printing machine within short time. Let it be end density, dot gain increase or Lab values, Calibri can deliver any necessary data.

	Cyan	Magenta	Yellow	Black	Ref. CMY	Ref. K
0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
10%	14.5%	13.0%	16.2%	14.5%	14.0%	15.6%
20%	29.2%	27.1%	33.3%	29.5%	27.6%	30.2%
30%	43.0%	40.4%	47.6%	43.4%	40.7%	43.7%
40%	56.0%	52.3%	60.3%	56.6%	53.0%	56.0%
50%	71.3%	65.9%	72.6%	69.1%	64.3%	67.0%
60%	83.7%	77.2%	83.5%	78.3%	74.5%	76.6%
70%	92.3%	87.0%	92.3%	85.6%	83.4%	84.9%
80%	97.0%	94.6%	97.3%	92.4%	90.7%	91.5%
90%	98.9%	98.6%	99.6%	98.0%	96.3%	96.6%
100%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Values at 100 percent ink coating	L	a	b	DeltaE	Density
Cyan	57.1 (55.0)	-35.4 (-37.0)	-48.6 (-50.0)	2.97	1.32
Magenta	48.5 (48.0)	73.6 (74.0)	-5.0 (-3.0)	2.12	1.35
Yellow	88.8 (89.0)	-4.8 (-5.0)	92.6 (93.0)	0.49	1.26
Black	18.5 (16.0)	1.3 (0.0)	-1.6 (0.0)	3.24	1.58

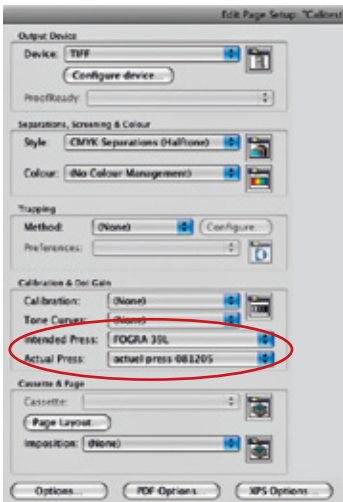
And this is how it works – you produce the printing plates using one of the samples and print them with your standard end densities.

After a drying time of about 30 minutes, the targets of 10-20 good printed sheets must be measured using a spectral densitometer (like EyeOne).

From the measuring data Calibri will calculate the dot gain increase of the single colour channels and will figure the results in a diagramme with a reference curve.

Additionally, the measuring values will be displayed in a table together with the reference values. By this, errors in dot gain increase can immediately be identified. For quite some time several institutions pointed out to define the maximum ink coating of the prime colours no longer by using the density but with the Lab values in contrast. That's why Calibri print control

offers the possibility to compare the Lab values of every colour with the respective reference values in a table. Taking these values it is possible to determine whether the end densities used in fact correspond to the FOGRA Lab values. This enables to reach optimum values using density measurement of the colours as well.



From the measured data a respective correction curve oriented to the FOGRA density values may be exported. These data may be imported to the image setter RIP. If the FOGRA data were already set-up in the image setter RIP, you may easily export the dot gain data from Calibri print control and import them in the image setter RIP, and your printing device is perfectly tuned to the specifications.

By using Calibri print control you will in the future be able to keep your printing machine in good shape without external help, by this being safe from bad surprises.

Specifications of Calibri print control

- Export and import format for Harlequin-based RIPs
- supports Mac OSX and WinXP/2K
- Minimum requirements for Mac OSX

Operating system	OSX 10.4.X
Hardware	G4, G5, Intel-based Mac systems
Memory	1 GB main memory
- Minimum requirements for Windows

Windows XP with service pack 2, Windows 2000, Windows 2003	
Hardware	: Pentium and compatible, Duo Core
Memory	1 GB main memory
- suited measuring devices
 - EyeOne, EyeOne IO, DTP41, Spectroscan
 - other measuring devices (Barbieri, ColorPartner, X-Rite & GretagMacbeth)

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