



## Printing process control at a click of the mouse

Proofs are produced as an inexpensive way of giving the customer a preliminary impression of what the colors will look like in the subsequent print product.

To rule out problems with the proof, there are proof verification tools like GMG ProofControl, which establishes beyond doubt and in a matter of seconds whether the proof is within the specified tolerances. The printer then knows for sure that he has a reproducible proof.

If he then also knew that his press was operating within the defined tolerances, there would be nothing else to stand in the way of reliable production.

The tool he needs for this purpose is GMG RapidCheck. After all, only with a standardized printing process can predictable results be produced.

### Support of various standards

GMG RapidCheck is a solution that examines whether all printing parameters comply with standards ISO 12647-2 and 12647-3 or user-defined in-house standards.

A single measuring procedure is all it takes to acquire the relevant data, analyze them and present them in graph form.

In the event of deviations from the specified tolerances, the printer can then quickly make the necessary corrections on the press and thus ensure compliance with the selected printing standard.

### The main functions in detail

#### *Density*

The density of the four process colors Cyan, Magenta, Yellow and Black is displayed.

#### *Tone Value Increase*

The colors are displayed individually, and there is additionally a display of the four process colors when printed in combination in order to check "spread".

#### *Trapping*

Trapping is displayed with the help of easy-to-interpret bar charts for the colors Cyan + Magenta, Cyan + Yellow, and Magenta + Yellow.

### Gamut

Different displays permit colorimetric analysis of

- the color space – reference color space in comparison with the measured color space
- the primary colors (C, M, Y, K) and the secondary colors (R, G, B) – absolute deviation from the target value and its direction
- the paper color – deviation from the standard.

### Grey balance

Any color deviation present is displayed in three-dimensional form: the absolute deviation from the target value, and the direction of the deviation, both in hue as well as in lightness. The values determined can be exported and further processed in GMG PrintControl Pro, e.g. in order to generate a new CtP curve.

### Target groups

GMG RapidCheck is one of the standard work tools of any printshop that uses printing methods like sheet-fed offset, web offset, newspaper printing, flexographic printing, etc. and has corresponding four-color printing presses. Also for print buyers like editorials, ad agencies, and others it is a very helpful tool.

For more information about GMG products, please contact your GMG dealer or visit us at [www.gmgcolor.com](http://www.gmgcolor.com).

## Technical Data GMG RapidCheck

Software requirements		Product features	
Operating system	Microsoft Windows 2000, Windows 2003, Windows XP, Windows Vista	Supported standards	ISO 12647-2 (with all 5 paper types), ISO 12647-3 with the specifications for Newspaper 26 and 30, in-house standards
Hardware requirements		Supported media wedges	Three versions of the ECI_bvdm Gray Control Strip, RapidCheck media wedge, and user-defined media wedges
Processor	Intel Pentium or compatible, 600 MHz or higher	Supported measuring instruments	EyeOne from XRite, and SpectroDens from Techkon
Memory	Minimum 256 MB RAM, 512 MB recommended 20 MB hard disk	Import options	Data from GMG PrintControl
Product features		Export options	Data for GMG PrintControl
Advantages	RapidCheck is an extremely user-friendly product. A single mouse click starts the measuring and analysis procedure. The results are displayed in graphical form, allowing the user to grasp them at a glance. A formatted report containing all the results of data analysis is generated automatically.	Supported languages	English, German, Spanish, Italian, Portuguese
		Scope of supply	GMG RapidCheck software, User Manuals on CD, Dongle



GMG GmbH & Co. KG, Moempelgarder Weg 10, 72072 Tuebingen, Germany. Tel +49 (0) 70 71-9 38 74-0. Fax +49 (0) 70 71-9 38 74-22.  
info@gmgcolor.com. [www.gmgcolor.com](http://www.gmgcolor.com).

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