gmg inkOptimizer

Easily print better – with automatic ink reduction

The pressure of time and costs is constantly increasing in printshops. Consequently, tools that automate the workflow, improve printing properties, and realize cost savings are important solutions for print providers if they want to remain competitive. GMG InkOptimizer meets precisely these requirements.

GMG InkOptimizer is a software solution for fully automatic ink reduction. Using GMG DeviceLink technology, the CMY color component is reduced and the black component increased. Unlike when using ICC solutions, the black channel is preserved in the process.

Target groups
• Gravure, offset, digital and large format print houses

Your advantages at a glance

◄ *Better printing properties*
GMG InkOptimizer stabilizes and optimizes the entire printing process. The color composition of images, complete pages or printing forms is standardized, and the black component increased. At the same time, the visual color impression remains unchanged. This

not only leads to ink savings of up to 20%, but also makes it much easier to set the press to the correct color result (e.g. a proof). This is due to the fact that the ink optimization function intervenes exactly where the human eye reacts most sensitively – in the gray balance. The stabilized gray balance achieves more consistent color behavior in the neutral areas and in the tertiary colors, such as brown and olive shades. In addition, the contrast and image definition in the shadows are also improved. Smaller color variations during printing lead to more stable production printing, and thus to higher quality. Similarly, repeat jobs can be reproduced more easily.

◄ *Cost and time savings*
Ink reduction boosts productivity. The lower level of ink application reduces the risk of offsetting, the drying time is shorter, and less powder is needed in sheet-fed offset printing. It takes less time to get the right colors on the press, the overall production time is reduced, and paper waste is avoided. These factors ultimately result in cost savings and more sustainable print production – because the printed products consume fewer resources. Given this potential for achieving

savings, GMG InkOptimizer pays for itself after just a short time.

◄ *High production reliability*

The processing of PDFs is based on the Adobe® PDF Library. This means that PDF files can be flattened, and transparent and overprinting elements yield identical results as in the Adobe Acrobat® reference software. Spot colors can be converted to the CMYK values of the respective output color space.

◄ *High user-friendliness*

GMG InkOptimizer contains a wealth of DeviceLink profiles, thus eliminating the need for time-consuming profile creation. Hotfolders can be created with just a few clicks of the mouse with the help of the GMG Hotfolder Creation Wizard. Presettings for all international printing standards are available for this purpose. This avoids errors from the outset when creating workflows,

less expertise is required, and production reliability is improved. When using GMG ColorServer and GMG InkOptimizer simultaneously, it is now additionally possible to process files in one hotfolder.

Using a Web browser, several users can access GMG InkOptimizer simultaneously in order to convert PDF files and monitor their processing. That makes GMG InkOptimizer particularly user-friendly and easy to apply.

◄ *Simple cost control*

An integrated ink saving report shows you at a glance how much printing ink you succeeded in saving when processing a file.

You can get more information from your graphic arts dealer or at **www.gmgcolor.com**.

Technical data GMG InkOptimizer

Software requirements	
Operating system	Microsoft Windows Server 2008 R2, Windows Server 2012 R2, Windows 7 (32-/64-bit), Windows 8 / 8.1 (32-/64-bit)
Hardware requirements	
Processor	Intel® Dual Core™ CPU
Memory	4 GB RAM, 250 GB hard disk
Graphics card/ Monitor	Min. 1024 x 768 dpi resolution, DirectX 10 support
Miscellaneous	DVD-ROM, 2 x USB 2.0, network card

The hardware requirements are dependent on the operating system used and the additional software installed.

Features	
Supported profiles	GMG MX3-, MX4- and ICC-profiles; support of the ICC specification V2 and V4
Supported formats	PDF, TIFF, TIFF-IT, JPEG, CT/LW, EPS (Photoshop® pixel data)
Supported languages	English, French, German, Italian, Spanish, Portuguese, Chinese simplified, Japanese, Korean
Scope of supply	GMG InkOptimizer on DVD; user manual as PDF; USB dongle; HKS, Pantone® and DIC spot color databases
Options / licences	GMG InkOptimizer is either available with profiles for sheet fed offset printing or with profiles for web offset and gravure printing.
	Remote integration with GMG WebConnect, workflow integration with GMG FlowConnect, GMG ColorServer, GMG SmartProfiler

gmg color