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 and is now available in the new Version 4.6.

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

Your advantages at a glance
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.

◄ *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 also 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.

◄ *New functions for greater 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. PDF layers with language versions, varnish or die-cutting forms can be specifically excluded from processing. Spot colors can be converted to the CMYK values of the respective output color space.

◄ *Greater user-friendliness*

Not only has the user interface for processing PDFs been completely optimized. In addition to a wealth of DeviceLink profiles, GMG InkOptimizer now also contains preconfigured hot folders for all standard printing conditions. This avoids errors when creating workflows, less expertise is required, and production reliability is improved.

◄ *Significant time savings*

The processing speed has been increased enormously in the new version. In addition, individual Error and Warning folders can be created for output. The user can very quickly determine which files are in need of renewed processing. All data in the "OK" folder undergo automatic further processing. When using GMG ColorServer and GMG InkOptimizer simultaneously, it is now additionally possible to process files consecutively in one hot folder.

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

Technical data GMG InkOptimizer

Software requirements	
Operating system	Microsoft Windows 2003 Server, 2008 Server, XP Professional, Vista

Recommended hardware	
Processor	Intel Core 2 or similar, 2.4 GHz, 2 x 4 MB level 2 (L2) cache
Memory	2 GB RAM, 750 GB hard disk, 5 GB free hard disk space for software installation
Graphics card/ Monitor	Min. 1024 x 768 dpi resolution, 32-bit color depth
Miscellaneous	DVD-ROM, min. 2 x USB 2.0, network card
The hardware requirements are dependent on the operating system used and the additional software installed.	

Features	
Software components	GMG InkOptimizer 4.6, GMG SpotColor Editor
Input and output formats	PDF, TIFF, TIFF-IT, JPEG, CT/LW, EPS (Photoshop® pixel data)

Features	
Supported languages	English, French, German, Italian, Polish, Portuguese, Turkish, Chinese, Japanese, Korean
Scope of supply	GMG InkOptimizer 4.6 on DVD; user manual as PDF; USB dongle; Pantone® FormulaGuide/Goe™ and DIC Library spot color databases
	The GMG InkOptimizer Sheet Fed Edition contains the following profiles: ISO Coated 27L, ISO Coated 39L (TAC 330%), ISO Uncoated 29L, ISO Uncoated yellowish 30L, PSO Offset (43L, 44L, 47L), GRACoL 2006, each with different reduction levels.
Options	Improved workflow integration with GMG FlowConnect
	Ripping of files with the GMG RipServer Stand-alone
	Additional profiles for gravure and web offset e.g. 3DAP, ECI-PSR v1 and v2, PSO Offset (40L, 41L, 42L, 45L, 46L), ISO Newspaper, Quiz, ISO Webcoated 28L, JMPA, SWOP, SNAP, each with different reduction levels

gmg˅color