gmg colorServer

Easily create uniform color standards with GMG ColorServer

GMG ColorServer prepares data for a wide variety of printing processes in virtually no time. It automatically transforms RGB, CMYK, spot colors and mixed data to a single color standard by means of separation, reseparation or color conversion. The DeviceLink approach devised by GMG avoids known drawbacks of ICC technology, such as reseparation of the black channel. GMG ColorServer also ensures consistent colors when converting to RGB. As a result, mobile publications or Web sites can be reliably produced on the basis of defined color values.

Target groups

- Repro and prepress businesses, print houses for all printing processes
- Print houses with mixed production environments, e.g. offset/digital or large format printing
- Advertising agencies, publishing houses and print buyers

The key advantages at a glance

◄ *Different printing processes – same colors!*

CMYK conversion optimally transforms printing data from one printing standard to another industry or in-house standard. As a result, the visual impression is preserved in the respective printing processes. In this way, the same color result can be obtained in digital or large format printing as in offset printing. Other printing processes can also be matched to each other.

◄ *Increased productivity on the press*

CMYK reseparation standardizes the color composition of the data. This ensures that data from different sources behave identically on the press. The gray balance is harmonized, and the total ink application standardized. The result is a marked reduction in makeready times and paper waste.

◄ *Perfect color conversions*

GMG color profiles meet even the toughest demands. The GMG Gamut Mapping ensures that colors are ideally converted between different color spaces. The color composition of vignettes remains harmonious, and images retain their contrast and definition in the shadows. Optimum use is made of the printing color space, colors are not flattened. The files can be simultaneously scaled and sharpened during processing.

Spot colors can be converted to the CMYK values of the output color space. Spot color channels with language versions, varnish or cutting rules can be specifically

excluded from processing. Libraries for the leading spot color systems are included.

◄ 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.

The GMG PaperAdaption Tool makes it possible to avoid color-matching problems that occur due to differences between the paper white of the proof and the white point of the paper to be printed. Following selection of the required substrate, ColorServer adapts the printing data to the proof for a better match.

◄ High user-friendliness
GMG ColorServer 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.

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

GMG ColorServer can forward output files directly from a PDF hot folder to a Windows printer, this resulting in improved workflow integration in the digital printing sector.

◄ Simple profile creation
The GMG SmartProfiler software solution enables users to easily create individual GMG ColorServer color profiles in order to calibrate and profile a wide variety of output devices, such as digital and large format printing presses. Individualized profile creation also benefits packaging specialists when it comes to producing prototypes and packaging samples.

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

Technical Data GMG ColorServer

Software requirements	
Operating system	Microsoft Windows 2008 Server R2, Windows 7, Windows 8
Hardware recommendation	
Processor	Intel® Dual Core™ CPU
Memory	4 GB RAM, 250 GB hard disk
Graphics card/ Monitor	Min. 1280x1024 dpi resolution, DirectX 10 support (Gamut Viewer only)
Miscellaneous	DVD-ROM, 2 x USB 2.0, network card
The hardware requirements depend 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

Features	
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 ColorServer on DVD; USB dongle; profiles for common industry standards (e. g. PSR, ISO, SWOP, GRACoL, JMPA, 3DAP); user manual as PDF; HKS, Pantone® FormulaGuide/Goe™ and DIC Library spot color databases
Options / licences	GMG ColorServer is available as full version or as GMG ColorServer Digital/LFP (in combination with GMG SmartProfiler).
	GMG ProfileEditor, remote integration with GMG WebConnect, workflow integration with GMG FlowConnect, GMG RipServer, GMG SmartProfiler, GMG InkOptimizer, GMG FlawFinder

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