GMG ColorServer:
Print-ready data in no time

Conventional

Digital

Multicolour

gmg colorServer

Tried and tested a thousand times, optimised three times:
GMG ColorServer Conventional, Digital and Multicolor

Varying printing conditions and substrates, global productions at multiple sites – countless parameters provide diverse challenges. Safe processes are therefore as essential for the graphic arts industry as a consistent appearance for a successful brand.

Precise conversions make all the difference and an automated solution results in unbeatable efficiency. Regardless of whether industry-standard, in-house standard or multi-colour, GMG ColorServer converts RGB, CMYK and mixed data automatically into any desired output colour space thanks to its superior MX technology.
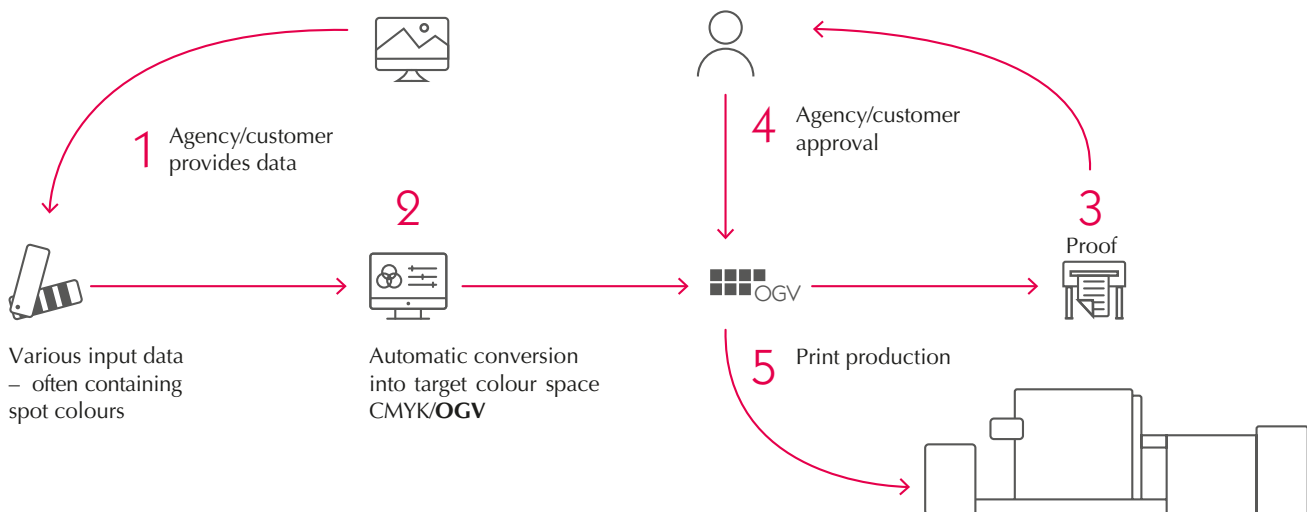
GMG ColorServer now offers the perfect set-up with three solutions for different application scenarios. All these solutions – GMG ColorServer Conventional, Digital and Multicolor have one thing in common: colour consistency. And, they all come with GMG Open-Color, the award-winning profiling tool, built in.

Alexander Gaugenmeier

Quality Manager at Edelmann Group

"With the support of GMG, we are able to print exactly the same results in digital printing as in offset printing. Our Multicolor solution and the initial support of the GMG experts, have enabled us to straightaway manage client projects with ease and successfully achieve total colour consistency. Not only that, we are now also much more efficient. Prepress can predict exactly what the final print result will look like (digital or offset). This enabled us to streamline the client approval processes significantly."

Five reliable steps
instead of countless loops

1 Agency/customer provides data

2

Various input data
– often containing
spot colours

Automatic conversion
into target colour space
CMYK/**OGV**

OGV

4 Agency/customer approval

3

Proof

5 Print production

Mal McGowan

Managing Director at McGowans Print

"GMG is a world-class colour expert, with over 30 years of experience in high-end colour management and proofing. They share our passion for outstanding print quality. GMG ColorServer Digital helped us achieve our exacting standards even more precisely and manage our pressroom, with all the different presses, more flexibly."
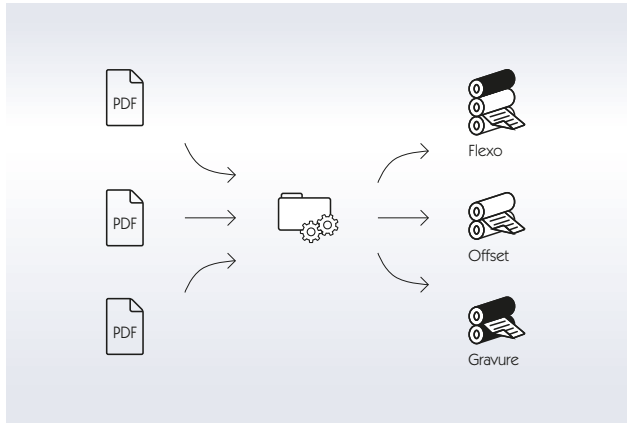
Andreas Achter

Managing Director Reproline Mediateam

"Industry experts know that GMG is synonymous with consistent colour management. We already had experience with another colour server product, and therefore had clear requirements when we looked into upgrading. We knew exactly what we wanted the new system to achieve and deliver. Today, with GMG ColorServer, we significantly improved our output quality and we increased productivity too."

GMG ColorServer Conventional
Automated efficiency

GMG ColorServer Conventional offers powerful print data conversions and enables exact profiling for conventional printing processes. PDFs can be converted into any industry-standard such as PSO or GRACoL. The integration of GMG OpenColor enables the seamless conversion of user-defined standards and spot colours into CMYK.

Automation and performance

If high data volumes from varying input colour spaces need to be converted for different printing conditions every day, implementing an automated solution is a must. GMG ColorServer really comes into its own when processing large amounts of data, increasing efficiencies at prepress stage considerably. The client-server architecture distributes the processing load automatically and ensures maximum productivity at all times.

Also, the smooth integration into workflow systems is of central importance for companies. Whether ESKO, HYBRID, Enfocus, Kodak or others – GMG ColorServer is easily connected to third-party systems via the API interface.

Consistent results

With the superior MX technology and GMG OpenColor, GMG ColorServer guarantees consistent results at all times, even when printing on more unusual paper stock.

Ink saving

As an integral part of the solution, GMG InkOptimizer is a valuable tool for unlocking even more efficiency in the press-room. Not only does reducing chromatic colours and subsequent black compensation save ink and therefore money, the grey balance is stabilised and the entire printing process is optimised too. The result is a more stable print run and overall significantly better quality.
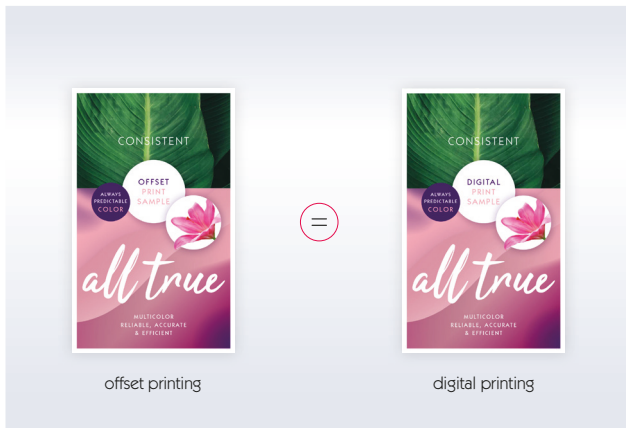
Advantages at a glance:

- **Future-proof colour management solution,** regardless of the printing press manufacturer, ink supplier or substrate

- **Visibly better print results,** especially for greyscale and skin tones thanks to GMG's proprietary spectral MX technology

- **Significant ink savings** for CMYK printing and increased efficiency as a result of a more stable process

- **Customised profiling** of conventional presses in offset, flexo and gravure printing

- More flexible production conditions and more process security due to **automated data adjustment for different printing presses**

- Custom profiles for **in-house standards** (press, substrate, ink)

- **Highest accuracy when converting spot colours** to CMYK

GMG ColorServer Digital
Precise repeatability whatever the application

For consistent results and absolute flexibility in digital CMYK printing, GMG ColorServer Digital is the perfect solution. Thanks to GMG OpenColor, spot colours are displayed optimally in the CMYK colour space and GMG SmartProfiler ensures stable print behaviour for digital and large format printing presses.

offset printing   digital printing

Maximum precision

Despite the multitude of digital and large format machines as well as the huge variety of printing substrates, achieving consistent results is a must – a powerful solution is required. GMG ColorServer Digital delivers exactly the colours that customers expect. The application is as precise as it is efficient. Thanks to GMG OpenColor technology, RGB, CMYK or even mixed image data are automatically converted into the desired output colour space.

Machine profiling made easy

GMG SmartProfiler is an integral part of the solution. Its step-by-step user guide offers every user the possibility to calibrate and recalibrate the various digital and large format printing presses, whether inkjet or toner-based machines. With GMG SmartProfiler, profiles for specific conditions can be created extremely quickly and with incredible ease.

Less ink, reduced cost

The integrated EcoSave function reduces ink consumption – without any loss in quality. Saving ink means cutting costs. And since some manufacturers of digital printing machines use ink consumption as a payment model, EcoSave is even more worthwhile.
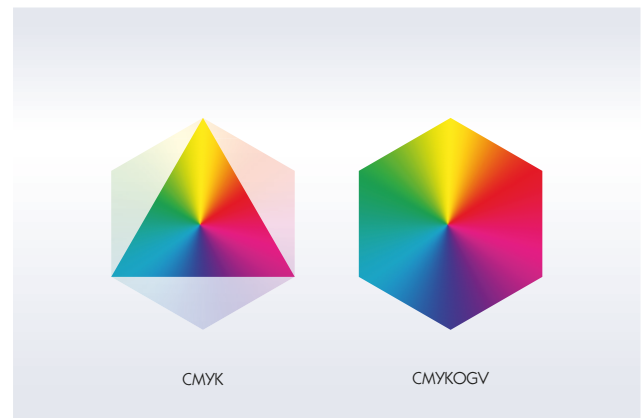
Advantages at a glance:

- **Colour consistency even over long time periods** thanks to the fast and award-winning calibration technology for digital printing presses

- Consistently superior colour quality while simultaneously **reducing ink consumption, thus lowering costs**

- Significant **increase in print speed** and therefore increased press capacity by up to 40 percent

- **More flexible press room utilisation** through automated data adjustment for different printing presses

- **Customer-specific profiling** for all printing conditions, regardless of press, ink or substrate

- Best **reproduction of spot colours** in the CMYK colour space

GMG ColorServer Multicolor
Cross-process results for packaging printing

It has never been easier to reliably prepare accurate print data for virtually any printing process and every ink set, ensuring consistent results and reducing costs at the same time. GMG ColorServer Multicolor enables precise mapping of spot colours, the flexible exchange of print jobs between conventional and digital printing processes and the reliable integration of a fixed colour set.

CMYK + RGB + Spots   CMYKOGV

CMYK   CMYKOGV

Consistent results

Whether printed conventionally or digitally, the packaging sector is characterised by high demands on colour reproduction. With GMG ColorServer Multicolor, the exchange between different printing processes is straightforward. The conversion instantly leads to consistent results thanks to the award-winning profile technology from GMG OpenColor. GMG ColorServer Multicolor automatically converts any spot colour into the desired output colour space – whether that's CMYK or CMYKOGV – ensuring the print results look identical.

Less downtime – more print time

A Multicolor workflow with a fixed colour set has enormous advantages. Instead of changing spot colours from one job to the next, every job is printed with the same fixed colour set. This saves set-up costs leading to a significant simplification and more flexibility in production.

Maximum intensity

GMG ColorServer Multicolor not only offers a reliable colour conversion into any output colour space, it also enables the user to maximise the potential additional inks (e.g. orange, green and violet) on both digital and conventional presses. The customer has a choice: maximum vibrancy or cross-process consistency.

Advantages at a glance:

- Enormous **time savings in data processing** thanks to the automated conversion of multicolour print data
- **Reliable colour consistency** throughout the production chain – regardless of the printing press used
- Full flexibility when managing **jobs in hybrid production environments**
- Problem-free integration of different printing presses and processes using an **extended colour space (ECG)**
- **Best spot colour reproduction** – confirmed by numerous associations such as FOGRA and the Ryerson University
- Highest possible print quality and **standardisation between digital and conventional printing presses**

GMG ColorServer
Exactly the right solution – for all printing conditions

	GMG ColorServer Conventional	GMG ColorServer Digital	GMG ColorServer Multicolor
Scope of application			
Packaging printing	•	•	•
Commercial printing	•	•	•
Publishing	•	•	•
Label printing	•	•	•
Large format printing	–	•	•
Industrial printing	–	•	•
Offset printing	•	–	•
Flexo printing	•	–	•
Gravure printing	•	–	•
Digital printing (Inkjet + toner-based)	–	•	•
Features			
Conversion profiles for all printing conditions	•	•	•
Process stability for conventional printing process	•	–	•
Profiling for digital printing	–	•	•
Ink saving for digital printing	–	•	•
Integration into workflow systems	•	•	•
MX profiling technology	•	•	•

gmg color