

Create Proof and Separation Profiles for Packaging Printing: GMG OpenColor



GMG OpenColor: Precise Profiles based on Spectral Data

GMG OpenColor offers powerful color management for CMYK and multicolor packaging printing. Using spectral data, color-accurate proof and separation profiles can now be created quickly and easily. A unique feature: Overprint effects of spot colors can be precisely simulated and allow the multi-award-winning solution to be utilized in highly flexible ways.

For production environments such as packaging printing, where printing processes are not standardized, GMG OpenColor offers a unique solution for calculating color-accurate profiles – for both proofing and separation – with no need for costly proof prints.



Spectral Model provides Precision and Reliability

In a few steps, GMG OpenColor characterizes the planned production by calibrating print control strips, solid-color and screen fields – without the need for test charts. Based on these calibrations, spectral measurements are calculated by means of a patented model and combined with print process, substrate and color sequence. The result:

proof and separation profiles that enable the specific production details to be simulated precisely and flexibly. If a printing parameter is modified, GMG OpenColor will automatically re-calculate an appropriate profile.

Consistent Colors for Separations, Proofs, and Final Print Jobs

The GMG OpenColor Profile system can be deployed within GMG ColorProof, GMG ColorPlugin, and GMG

ColorServer. Because both proof and separation profiles are created of the same characterization, consistent color reproduction is ensured throughout the entire process. The PantoneLIVE color database is directly connected to GMG OpenColor. All standard measuring devices are automatically recognized and supported. CxF/X-4 support according ISO 17972-4 allows to communicate spectral values along with dot gain steps to other parties involved in a print production.

Measurement Data is Automatically Optimized

GMG OpenColor automatically optimizes measurement data using spectral data, thereby fulfilling the requirements for color-accurate profiles right at the characterization stage. This means that no manual correction of profiles is needed.

Creating Profiles for GMG DotProof

GMG OpenColor calculates dot profiles for GMG DotProof and GMG FlexoProof for any color combination. This enables screen dots, moiré patterns, and incorrect overfill settings to be predicted. Screen distance, screen angle, dot shape, and dot gain are also simulated.

Precise Profiles in a few Clicks

- **Characterization** in just a few steps
- **High color accuracy** thanks to a patented process for profile calculation using spectral data
- **Precise prediction of overprint effects**
- **PantoneLIVE-Farbdatenbanken angebunden**
- **Option for adapting specific dot gain** to Pantone colors