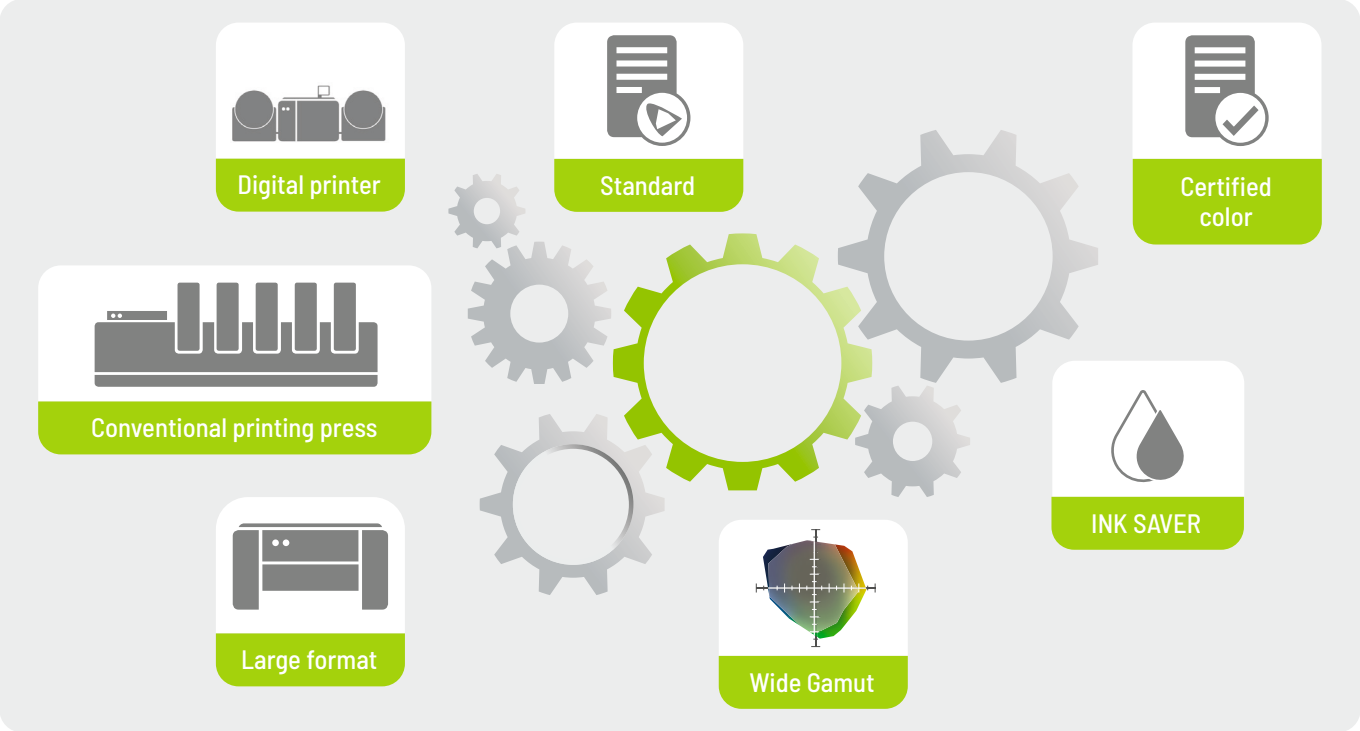
CGS ORIS PRESS MATCHER

# Accurate and consistent color across multiple printing devices




Trying to achieve consistent color on different printing devices and different printing conditions without a professional color management software causes a lot of unnecessary effort.

PRESS MATCHER was specially developed to maximize the productivity of all your output devices with just a few clicks. The software lets you produce the same results on any device and repeat print jobs easily, quickly and reliably – today, tomorrow or even after a longer period of time.

Whether there are international industry standards such as ISO, GRACoL or SWOP or specially defined in-house standards of your customers - PRESS MATCHER is the ideal tool to handle all of your color management requirements.

There are many options and features available to customize the software ideally for your individual needs in your daily business, like the INK SAVER module, which helps you to further optimize your production processes to work even more efficiently and save more time and money.

## Key Facts & Benefits

- Accurate, consistent color reproduction on different printing presses and processes
- Easy repeatability of recurring print jobs
- Color matching and certification to in-house or industry standards such as ISO Coated v2 (FOGRA39), PSO Coated v3 (FOGRA51), GRACoL
- Normalization of print data including conversion of various file formats (e.g. PDF, EPS, TIFF, JPEG ...)
- Optimal gray balance based on automatic color stabilization
- Media-relative color matching
- Use of CxF data as well as creation and application of spectral data
- Create custom test charts for various measuring devices
- Optimal use of the color gamut of every output device thanks to wide-gamut workflow
- Process optimization and cost reduction with INK SAVER
- Simple handling through intuitive, wizard-based user interface
- Fully automated process
- Easy integration into existing processes and workflows

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## Automated repeatability and consistent colors

Different operators on different days? Jobs that need to be reprinted periodically? PRESS MATCHER is the answer.

Color balance is automatically maintained, day-in, day-out and the patented technology guarantees to achieve ideal print results - even after a longer period of time, anywhere around the world and across different devices and printing processes.

## Neutral gray

Due to changes in the environment, print-outs vary from day to day as the gray balance shifts. Ideally, the system should always remain a perfect balance between Cyan, Magenta and Yellow, also called neutral gray. Achieving this manually is challenging and can be time-consuming.

PRESS MATCHER is the first solution in digital printing that recognizes color shifts and automatically compensates them.

## Smooth gradients

Gradients are a quality characteristic. Smooth gradients depend on an optimal color management setup and an interaction between calibration, paper profiling and neutral grays.

The setup of this balance can be very time-consuming and cost-intensive. PRESS MATCHER unifies all these steps into one single process, ensuring that colors stay repeatable and stable.

## Standardization

PRESS MATCHER complies with industry printing standards, like GRACoL, SWOP, FOGRA, ISO Coated and Uncoated. More recent standards such as PSO Coated v3 (FOGRA51) or PSO Uncoated v3 (FOGRA52) are also supported.

## Normalization

Not all digital files are created in the same way. User errors, non-standard desktop applications and legacy file formats lead to unprintable files and production downtimes.

PRESS MATCHER's normalization functions take the worry out of this by automatically creating clean printable files. This guarantees a stable and seamless print production process.

## Wide gamut workflow

PRESS MATCHER's wide-gamut workflow makes use of the print device´s entire color gamut. This ensures high-quality RGB color reproduction with stable and reproducible print results. Wide-gamut color matches can be optimized iteratively. Different input color spaces such as sRGB and Adobe RGB within the same PDF are handled perfectly, as ICC input profiles and rendering intents can be set individually.

This workflow is the ideal way to render RGB data – with vivid saturated colors and stable neutral gray tones. This is important for the production of photo books, posters, banners, signboards and similar products.

## Saving cost & optimize processes

PRESS MATCHER's INK SAVER module enables you to reliably optimize your ink and toner consumption. This has a positive impact on print quality and your entire production process, such as better shadow details and shorter drying times. Please follow the links below for more information.

## Spectral data

With PRESS MATCHER you can also create and process CxF/X-4-defined spectral color data. The use of spectral data allows you to match spot colors and overprints perfectly and consistently. To create, edit and analyze spectral data, we recommend the use of our CXF TOOLS application.

## Central control

With the EVALUATE certification software, prints can quickly and easily be checked for color accuracy. The direct interface allows all data from different devices and locations to be collected and evaluated centrally, giving you a detailed overview.

## Recommended system configuration

We recommend the following computer equipment for optimum performance and high throughput:

- Intel Core i7 or i9 latest generation, or equivalent
- 16 GB Memory (RAM) or more
- 1 TB SSD or RAID system
- Graphics card: DVI output, DirectX 9c support and Direct 3D acceleration
- Windows Workstation Pro 11, 10

The exact hardware configuration depends on the type and number of output devices.

## Supported measurement devices

- All current models from X-Rite
- All current models from Konica Minolta
- Barbieri Spectro Swing, LFP/LFP qb and LFP qb NET
- Techkon SpectroDrive, SpectroDens, SpectroJet
- ColorScout A+: Hand-held devices from X-Rite and Konica Minolta

## Further information

Please visit www.cgs-oris.com to

- learn more about our solutions & products
- find additional information about ink saving
- read what users report

## Contact

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