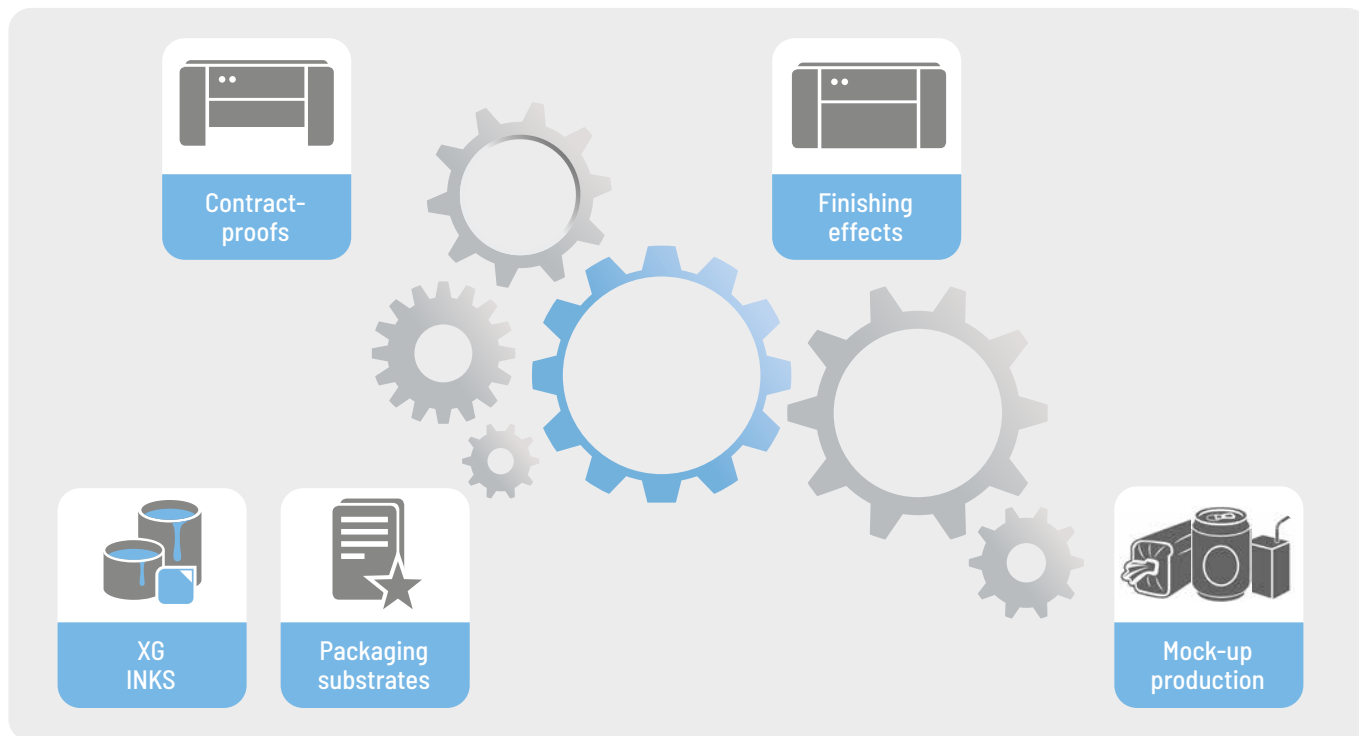


**CGS
ORIS****FLEX
PACK**

A perfectly tuned system - for color accurate production of packaging proofs and prototypes



Do you need to produce color-accurate packaging proofs and prototypes efficiently and with ease? Are complex finishing effects also a requirement? Then FLEX PACK is the right solution for you! The system was specially developed for these applications and offers everything you need to achieve perfect results accurately and cost-effectively.

A huge advantage: FLEX PACK was designed as a complete system. The ultimate combination of extremely powerful software, specific printer hardware, special extended gamut inks, and a large portfolio of proofing substrates are available. One of these, the PackPROOF Transfer Film, is particularly worth mentioning, as it allows proofs to be made on original substrates.

Of course, all components are perfectly harmonized - creating an ideal workflow and optimal results without any effort.

An additional plus: FLEX PACK was developed in close cooperation with leading companies in the packaging industry and has been used successfully worldwide for many years. End users appreciate the absolute precision, reliability and enormous flexibility of the system.

FLEX PACK and its continuous development benefits from years of packaging experience in coordination with our many customers and partners within the industry - and so do you: The packaging industry is always dynamic and subject to change. We react to these quickly and competently in order to always give our customers the optimum tools to improve their daily business.

Benefits at a glance

- Unique system, especially developed for the production of color-accurate packaging proofs and mock-ups
- Highly efficient and reduced cost to manufacture
- Patented, iterative 4D color management technology
- Perfectly tailored features and modules, e.g. for preflighting, soft proofing and proof certification, support of raster data
- Packaging-related spot color management: Ideal overprinting of spot color using spectral color information
- Perfect visualization of finishing effects like cold foiling, embossing or varnish
- Huge packaging substrate portfolio, specially developed for the needs and requirements of the packaging industry
- Color-accurate proofing on original substrate
- Easy to use, quickly integratable into existing workflows, infrastructures and to any other CGS ORIS application

color your process

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FLEX PACK – The software for packaging proofs and samples

The software was especially designed for the characteristics and highest requirements of the packaging industry. It is based on our patented iterative 4D color management technology and contains all functions and modules to produce various packaging proofs and packaging samples immediately, easily and cost-effectively.

Functions such as preflighting, soft proofing and proof certification are integrated, raster data such as Esko LEN are supported and the program naturally has packaging-specific spot color management that converts spectral data natively and even simulates the overprinting of spot colors perfectly. Furthermore, cloud-based color databases such as the CGS ORIS CxF CLOUD or PantoneLIVE® can be integrated.

FLEX PACK + Roland DG – The proven classic

In this version, FLEX PACK is combined with printers from the **Roland VersaCMM VSi** series. In contrast to conventional UV printing systems, these work with eco-solvent inks offering a brilliant print image and also white and metallic. Thanks to the specially developed, highly pigmented **XG INKS**, which also contain orange and green, a color space is achieved with which almost all special colors can be exactly reproduced.

There are no limitations for the production of packaging proofs and prototypes: From 'no-label-look' labels to stand-up pouches, bottles with shrink film labels to metal or luxury packaging with complex partial varnishing and embossing in any form that ensure the unique look and the special feel. For this purpose, FLEX PACK supports the Roland VersaUV LEF (2)-200/300 and LEC2-330s printers.

You can see a selection of examples here and find further samples in our "Best Mockup Selection Brochure". Thanks to the built-in 'Print & Cut' function of Roland printers, even small series of self-adhesive labels can be produced perfectly.

Packaging proofs: The PACKProof family

To ensure that you always have the right substrate available for any kind of job, we offer a large selection of **proofing media** that have been specially developed for this purpose and tailored to the special requirements. Find out more about the broad portfolio of the PackPROOF family and its unique properties.

One key element is the PackPROOF Transfer Film, as it enables the production of packaging proofs and samples on the original production substrate.

Optionally, the system can be upgraded with additional **hardware components**, such as media preconditioning, drying systems or media holders. We also offer any necessary peripheral equipment, such as laminators, punches and register devices.

The system is fully customizable to your individual needs and requirements.

XG INKS

In addition to the exclusive substrate portfolio, we offer you highly pigmented XG INKS, which were specially developed for Roland Eco-Solvent printers. They are the basis to produce color-accurated packaging proofs with an exact representation of special and brand colors, which is really important.

The light colors (Lc, Lm) have been replaced by orange and green and the CMYK inks have been completely redefined. This significantly expands the reproducible color space. For example almost all PANTONE colors can be reproduced with contract proof accuracy.

Simulation of finishing effects

Modern packaging increasingly features complex finishing effects such as partial varnish or embossing. They contribute to the special appearance and feel of a product. Products such as lids or folding cartons made from recycled material are also refined inline today.

However, this causes challenges when producing proofs or prototypes, as these effects could not be reproduced before or they led to color shifts in printing, e.g. by overprinting varnishes.

With the FLEX PACK system, it is also possible to reproduce such effects on a proof or sample perfectly and precisely.

The finest partial matte or gloss varnishes can be produced as well as embossing effects or textured varnishes, whereby both density and the thickness of the varnish layer can be adjusted in the software. Cold foil can also be applied or hot foil stamping can be simulated.

Recommended system configuration

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

- Intel Core i7 6th generation or better
- 16 GB Memory (RAM) or more
- Non-partitioned SSD system disk with 500 GB or more
- Windows 10 (64 bit) or newer
- Internet Explorer 11 or newer

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

Supported printers, file formats and measurements devices

On our website cgs-oris.com you can find more about our solutions, read what users report and download all handouts.

Further information & contact

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