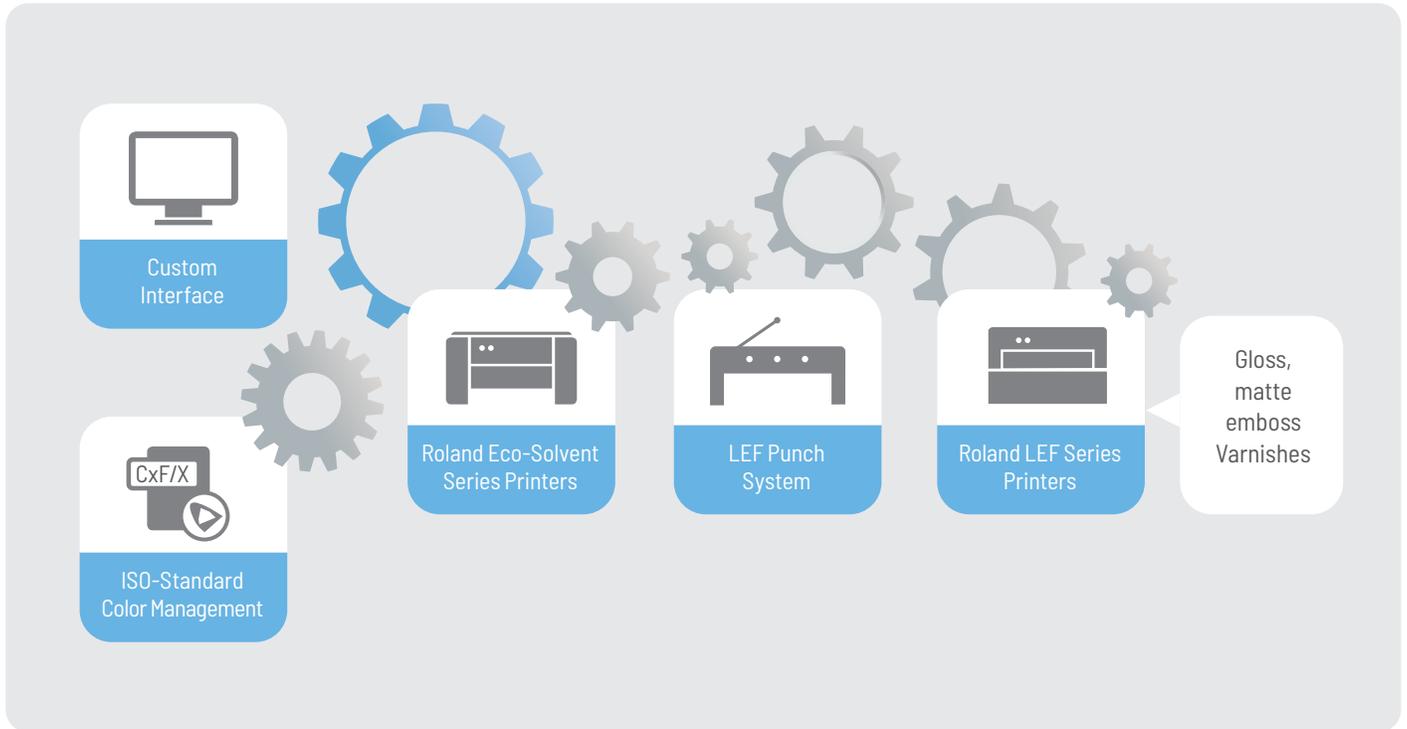


Cold Foil Solution Expanded Capabilities Package



To complete the innovative FLEX PACK System, CGS ORIS offers the FLEX PACK Cold Foil Solution. This expanded capability package provides a standardized, efficient method to cold foil proofing.

Today's packaging market is ever-evolving, with luxury packaging designs increasingly featuring high-end, complex finishing effects. The need to have an on-demand package prototyping solution has become essential. In a simplified, repeatable process, printers are able to prototype intricate cold foil designs in a one-off environment. This has the potential to save users thousands of dollars as users enjoy the benefits of reduced set-up costs and increased time-savings.

Benefits at a glance

- Unique system, specially 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 production substrate
- Easy to use, quickly integrated within existing workflows and any CGS ORIS applications

Cold Foil Solution Expanded Capabilities Package



FLEX PACK Software

The FLEX PACK System is the only all-in-one, packaging prototype system to offer high-end finishing capabilities in a simple, standardized method. Supported by the power of CGS ORIS' 4D iterative color management process, the FLEX PACK Cold Foil Solution allows packaging professionals to print color-accurate prototypes complete with production-grade cold foiling and spot varnishes.

This powerful color management system is completely customizable based on the customer's specific needs, providing the tools necessary to prototype any packaging type – from ideation to print. Whereas previously prototyping cold foil required a complete production run, with FLEX PACK a one-off prototype is possible. With this, users are able to enjoy both time and financial savings as well as a repeatable process.

The Latest UV Technology

FLEX PACK utilizes the latest technologies, including Roland UV devices. These UV Flatbed printers quickly and effectively print onto any substrate with incredible detail and color. The printer's four print heads and powerful UV-LED curing system increase production speed, in addition to printing the finest details.

The FLEX PACK Cold Foil expanded capability package is a simplified process that produces stunning, color accurate packaging mockups on CGS ORIS Supported devices, then expertly applies cold foil with pin-point accuracy. This level of precision is achievable only with the CGS ORIS exclusive punch system due to its 3-point registration system and unique engraved acrylic plate.

The Complete Prototype

With creative capabilities expanding, and an industry-wide need to drive down costs, traditional proofing methods have become more and more difficult to sustain. Having complete prototyping capabilities, from color accurate printing and cutting capabilities to the ability to reproduce specialty finishing effects, is essential in today's changing industry. Many systems are limited to traditional proofing, but with FLEX PACK, users can create the complete prototype.

This complete prototyping system features finishing effect capabilities, including spot varnishes, cold foils or embossing, needed to provide the full visual experience.

To meet the demands of the packaging market, CGS ORIS has developed both the FLEX PACK Varnish & Emboss as well as the FLEX PACK Cold Foil expanded capabilities packages. Together, powered by FLEX PACK, even the most intricate cold foils and spot varnishes can be produced with pin-point precision.

The Power of FLEX PACK

This FLEX PACK sample was produced using both the Roland VS-300i for its expanded gamut and the Roland LEF-300 for its varnishing capabilities.

First, the sample was printed with the Roland VS-300i where we direct printed to PackPROOF Semi-matte Cardboard. Within FLEX PACK, custom registration marks were printed for accurate registration.

Next, using the CGS ORIS exclusive punch system, the proof was carefully secured onto the LEF table and a spot varnish was then printed in the areas where the cold foil effect was desired. At this stage, the UV lamp is turned off, leaving the UV ink uncured.

Foil of the desired color was then cut to size and laid on top of the uncured ink. The prepared proof is placed in a vacuum frame, ensuring proper contact between the foil and the uncured varnish. The ink is cured with a powerful UV Lamp, adhering the foil to the areas printed with varnish.

After curing, the proof is removed from the vacuum frame and the foil peeled away, leaving a foil effect where the varnish ink was printed.

Finally, for additional gloss, matte and emboss effects, the proof was returned to the LEF-300.

To achieve the desired look, the fonts were embossed with two passes of UV gloss ink while other areas, such as the chocolate image, only needed one hit of UV gloss ink. The cold foil applied to the leaf vectors to create a luxurious effect. These different settings helped to create a high impact, embossed effect against the semi-matte background.

Complete your package and set your package apart from the shelf by utilizing the FLEX PACK Cold Foil expanded capability package from CGS ORIS.



1. Matte finish
2. Cold foil and embossing
3. Gloss varnish

Further information and contact

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color your process