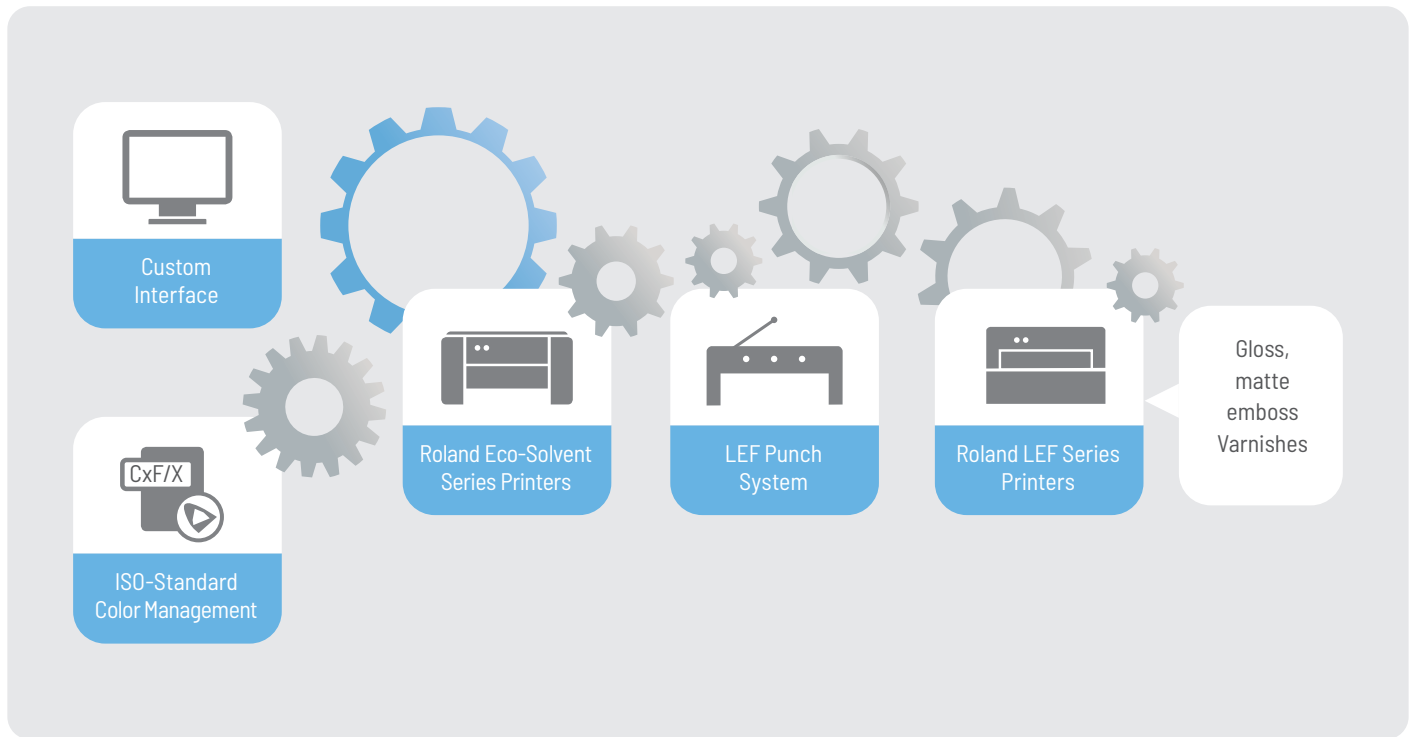


Varnish & Emboss Solution Expanded Capabilities Package



The latest addition to the innovative FLEX PACK System is the Varnish & Emboss enhancement package. This expanded capability package is a simple process that produces stunning, color accurate packaging mockups on CGS ORIS Supported Roland devices, then allows you to apply a spot varnish or emboss 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.

Bring your packaging mockups to life with the ability to reproduce gloss, matte or emboss spot varnish. Further enhance your product by engaging consumers in a multi-sensory approach with multiple tactile finishes, adding a heightened sense of luxury to your packaging. With the Varnish & Emboss Solution, users are able to simulate high-end packaging by transferring to their actual production stock and by adding precise finishing effects. This provides users with an actual physical prototype of their finished product and increases the effectiveness of their packaging before ever going to print.

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

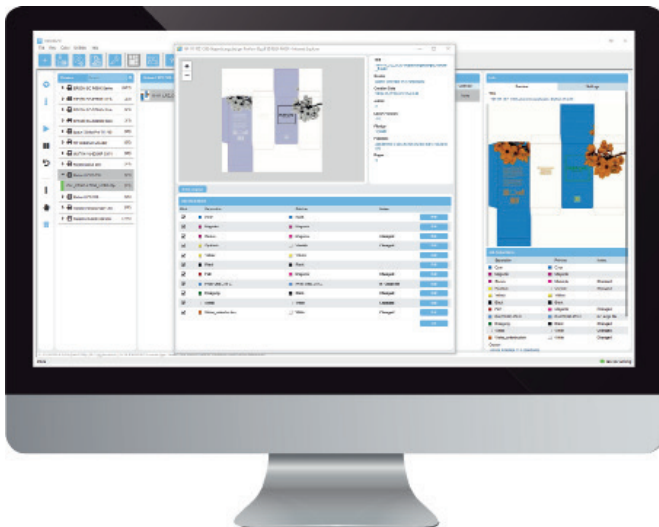
Varnish & Emboss Solution Expanded Capabilities Package



FLEX PACK

The FLEX PACK System is the ideal solution for packaging customers – from designer to converter. FLEX PACK combined with the latest packaging centric ink jet printers provides maximum flexibility for 3D mockups and prepress proofing.

This dynamic color management system is capable of complete customization based on the customer's specific needs. This ensures effective color management and communication between all members of the supply chain from ideation to print.



The Latest UV Technology

Roland's latest UV devices offer countless production customization possibilities, including printing directly to three dimensional objects which will expand your range of product offerings. This UV Flatbed printer quickly and effectively prints onto a wide variety of media substrates 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.

Thanks to the CGS ORIS exclusive punch system, registration is guaranteed to 1/10 of a mm for the finest detail. Using FLEX PACK, print registration marks are printed to later aid in registration on the LEF. The punch system uses these markers to create cutouts that align with the LEF plate and are responsible for securing the proof in place. This is key to producing perfect mockups.

Further information and contact

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Varnish Effects

There are three finishing effects available: Matte, Gloss and Emboss. Each effect employs varnishes through differing curing processes:

Matte varnish:

Achieves its matte finish through immediate curing using two UV lamps to create a velvety, matte finish

Gloss varnish:

Achieves its high-gloss finish by curing the varnish with a single UV lamp. Ink can settle to produce a uniform, level surface before being cured, creating an ultra-glossy texture

Embossing Varnish:

Achieves the quality and appearance of gloss with the added benefit of a physical relief by printing a layer of matte varnish and then an additional layer of gloss varnish

Speciality Finishing Effects

Luxury packaging feature finishing effects like spot varnishes, cold foils or embossing to set them apart from the competition. The complexity of their production is what establishes them as being luxurious. Having full prototyping capabilities, including the ability to reproduce specialty finishing effects, becomes essential to operations.

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 package. Together, powered by FLEX PACK, even the most intricate cold foils and spot varnishes can be produced with pin-point precision.



1. Partial gloss varnish
2. Embossing