

SPGPrints demonstrates real-time productivity and simplicity of rotary screen and laser imaging workflows, plus preview of PIKE 700 UV-inkjet press at Labelexpo Europe 2017

Boxmeer, Netherlands, 26 June 2017: At Labelexpo Europe 2017, SPGPrints (stand 4C20) will show high-performance solutions covering every step in the rotary screen printing workflow for labels and packaging, centred around its 100% nickel re-imageable RotaMesh® and re-usable RotaPlate® screen programmes. The company will demonstrate its new automatic RotaPlate Screen Cleaner, as well as its laser imaging prepress systems for rotary screen, flexo, letterpress and dry-offset. Additionally, SPGPrints will present information about its PIKE 700 industrial hybrid UV-inkjet press.

A workbench will demonstrate SPGPrints' rotary screen workflow as a flexible, low-TCO way of applying numerous brand-enhancing, functional and tactile effects in one pass, such as the no-label look, varnishes and Braille.

One-hundred per cent nickel re-engrable RotaMesh and – on non-SPGPrints presses - reusable RotaPlate screens offer durability and stability at over 100m/min (330fpm). Both screen ranges cover the full range of applications from coarse effects and Braille to fine linework and text as small as 3-point size. A new addition to the RotaMesh programme is a 40-mesh re-imageable seamless nickel RotaMesh screen for glitter effects. Also new is a developer and washing system for imaging RotaPlate screens, providing a fast, automated imaging solution with minimal manual input and outstanding reproducibility, without risk of error.

Retrofittable RSI® (Rotary Screen Integration) units can be integrated with almost all label presses to perform in perfect register, inline with other processes.

Live demonstrations will offer real-time experience of the simplicity, high definition capability and productivity of its laser imaging systems.

rotaLEN 7511 is a direct CO₂ laser engraving system for imaging rotary screens with resolutions up to 5080dpi in one fully digital step, without film, chemicals or water. SPGPrints' software optimises control when creating fine positive and negative images. The engraver accommodates all RotaMesh screens up to 914mm wide or two RotaPlate screens simultaneously.

variLEX hybrid CtP processor is a single, digital imaging solution for flexo, dry-offset, screen and letterpress imaging – uniquely ablating and exposing in one machine. Its multi-beam diode lasers ablate the black mask and/or directly expose UV-sensitive screen materials. An open platform, variLEX is easily adapted to the customer's plate and dot-shaping specifications.

RotaPlate Screen Cleaner is a new device which automatically develops and dries all types of screens, from Braille to fine text, in one workflow. It will be demonstrating its functionality on the stand.

PIKE 700 UV-inkjet preview

SPGPrints provides a video preview of its PIKE 700 UV-inkjet hybrid press that combines high-resolution digital capabilities with extensive pre-treatment and added value finishing processes, in a single pass, at high speed.

The 700mm-wide roll-to-roll press based on Archer® technology features up to 10 inkjet positions in a central cylinder configuration, with CMYK plus white standard, using SPGPrints' own inks that are optimized for the print head and the machine's treatment processes.

With maximum resolutions of 1200dpi, PIKE 700 allows excellent vignettes that outperform conventional printing technology; it also enables consistent colour uniformity within 1.5 DeltaE, on both supported and unsupported paper and film materials up to 450µm thickness. Colour results can be compared and targets reached with virtually no material waste. Wide substrate versatility is enhanced thanks to extensive inline web-cleaning, corona treatment and flexo priming options. Furthermore, the optional integration of rotary screen printing units, seamlessly inline, enables inclusion of high-impact "look and feel" effects. PIKE 700 is a versatile, stable, highly productive solution, ideal for both short and long production runs.

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PHOTO CAPTIONS:

"SPGPrints' RSI® module with nickel RotaMesh® rotary screen"

"Impression of SPGPrints' PIKE® 700 UV-inkjet hybrid printer"

FOR FURTHER PRESS INFORMATION:

SPGPrints

SPGPrints is a global leading company in the textile, label and industrial printing markets. It provides total system solutions, with a portfolio including screens, lacquers, inks, digital engravers, and a broad range of rotary screen and digital printing systems. The company has applied its electroforming expertise to developing both highly reliable rotary screen technology and an extensive program of precision metal products.

For more information, please visit www.spgprints.com

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