



spgprints®



MARBLE

Rotary Screen Integration Unit

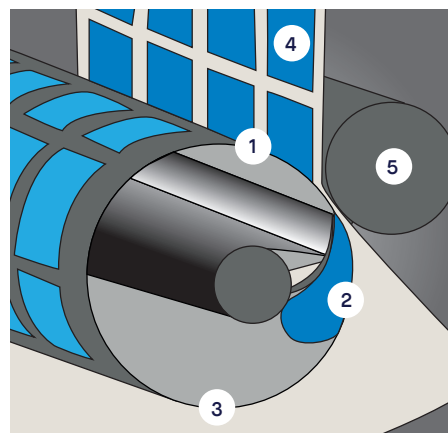
Printing tomorrow.

Patented SPGPrints rotary screen technology

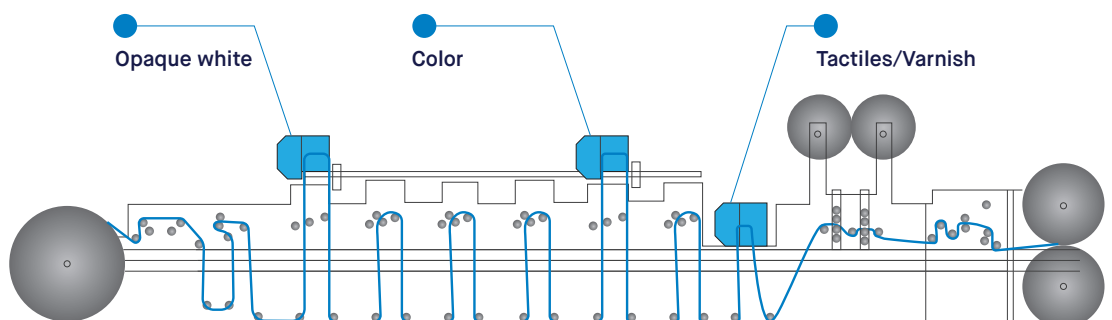
Rotary screen printing is based on patented SPGPrints screen technology. These screens are 100% nickel solid mesh material, manufactured by electro forming. Its unique hexagonal mesh structure creates outstanding stability, enabling screens to be used for extended runs in both narrow, mid and wide web printing.

Marble: self-contained single colour printing unit

The Marble using RSI™ technology is a self-contained single colour printing unit, available in a choice of widths and incorporating intelligent control for problem free line synchronization. A Squeegee (1) transfers ink (2) through the mesh openings in the nickel rotary screen (3) onto the substrate (4), which is held in place by an impression roller (5). The screen, substrate and impression roller all move at the same speed, creating a 'frictionless' print system.



The SPGPrints Marble module is designed to integrate onto your existing press, for the production of labels or other functional applications. You can either integrate directly onto your already installed press, or order a pre-integrated system through one of our OEM partners. Both options are fully supported by SPGPrints training and service.





Top quality results combining specialty inks and substrates

Applications	Ink types	Substrates
raised ink deposits opaque colours and extreme coverage metallic finishes fine lines and sharp letters large solid areas UV varnish and primers tactile images, warning symbols, Braille 3D effects security features glow in the dark hologram imitations printed Electronics biosensors	spot colours fluorescent colours metallic colours hot-foil imitations magnetic inks glitter inks (tactile) varnish scratch-off optically variable inks adhesives (ir)reversible thermo sensitive inks conductive inks functional inks	polyethylene polypropylene polyester polystyrene polycarbonate paper PVC foils uneven surfaces absorbent substrates ... and more

Economical operation at high production speeds

The Marble module is capable of operating at line speeds in excess of 125m/min. And exchanging screens and squeegees is accomplished in minutes, without the need for mechanical or electrical adjustments. All to ensure that downtime between jobs is kept at a minimum. When a machine is stopped, the Marble module switches to a slow-rotation stand-by mode. This greatly reduces the risk of ink dripping, and helps to keep the substrate in a clean state until production is resumed. When the press is started, the Marble module quickly reverts back to the correct register position automatically. That means you will waste less substrate, use less ink per meter and print more labels.

Boosting productivity even further

To boost productivity even further, and make sure the Marble module fits your production workflow there are several options available:

- Automatic ink level control: maintains a constant ink level inside the screen and thereby ensures optimal consistency of the printed result.
- Automatic registration system: maintains print accuracy throughout the production run
- ATEX certification: optional version to ensure safe operation in environments where solvent-based or special purpose inks are used.

To find out in more detail how our solutions can help you elevate your label printing operation, visit spgprints.com/applications-label-printing and reach out to one of our experts.

About SPGPrints

Throughout our unique history, SPGPrints developed into an internationally acknowledged authority in textile printing, dedicated to bringing colour to the world. In recent years, our unique rotary screen printing concept allowed us to move beyond textile printing and offer solutions for labels, banknotes, COVID-19 testing strips, and more. And while still a distinct leader in rotary printing, we have also become a pioneer and a key player in the market for digital printing. In 1991 we were the first in the industry to launch a digital textile printer. Not much later we started producing ink for all leading digital technologies. Over the years, we have been awarded over 300 patents and we have built an international network in more than 100 countries. These days our focus on innovation is as strong as ever with taking care of our planet as a constant priority. We take pride in putting our customers first, letting their ambitions inspire us, and deploying our expertise, resources and network to help them to achieve their goals. Our solutions are designed to empower customers worldwide in all stages of the printing process; from pre-press to printing, from textile to industrial – and beyond. That is the global impact of a global player.

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