

spg prints®



VIOLET

# The optimal solution for your entry into digital printing

Printing tomorrow.



# Sustainable by nature

## The smallest possible footprint

As a manufacturer we are engaged in a continuous process to reduce our impact as much as possible. This means saving energy, water and chemicals is a priority. We purify our water and air before it leaves our factories and we process our waste responsibly, compliant to local regulations and standards. Our scope in sustainability extends to the production sites of our customers as well. We help them to reduce the environmental footprint of textile printing with products and expert advice, to save energy, reduce emissions and prevent waste of precious resources.

## Digital dramatically reduces waste

The core benefit of digital printing is flexible on demand production. No need to push large quantities with longer lead times and risks of overstock or shortages. Customers can order smaller batches and simply re-order successful collections. Digital dramatically reduces the waste of resources required to produce and ship stocks that never reaches any consumers. Next to that, SPGPrints has instilled a long-term sustainability strategy on its entire operation, impacting everything we do today and tomorrow.

# Time to take digital printing seriously

Violet is the optimal solution for your entry into digital printing.

**At SPGPrints we have put decades of our experience in textile printing into proven digital technology to help you meet the demands of today's fashion industry. Violet provides industrial performance and more sustainable, high quality digital printing at a profitable cost level. With fast turnarounds and full application support, Violet is the optimal solution for your entry into digital printing.**

## Combining the best of both worlds with the Violet print engine

The print engine works with KonicaMinolta 1024i print heads that have a proven long lifetime, while the unique SPGPrints technology ensures consistent print quality even in varying room climate conditions. The variable drop size enables you to produce sharp images, vibrant colours and smooth gradations. An inbuilt humidifier keeps the print heads hydrated to produce fresh colours and crisp designs anytime.

## User friendly

To help you succeed in digital, we made sure the printer is very easy to operate. The installation is plug & play and the latest colour management engine and colour processing tools are included in the preloaded RIP software. A key operator training comes as a standard, covering user maintenance, working with profiles for smooth gradations and vibrant colours with different fabrics, practical tips & tricks, and more. The minimum the printer needs is a wall plug; it needs no pressured air and can be delivered with an external water reservoir that can work for one day. In such case no water connection and no waste connection is needed.



# Limitless creativity

SPGPrints is a total systems supplier, offering productive hardware, best-in-class software and the choice of reactive or pigment inks. With Violet we introduce a robust entry-level digital printer that offers immense creative opportunities to print on a large variety of fabrics. A perfect solution for start-ups with enough printing demand to fulfil the need for a medium-speed printer.

## **End-to-end support of your business**

With SPGPrints you can access decades of experience in textile printing, right from the source. Our application support specialists are dedicated to help you explore new possibilities and will share everything there is to know to keep your Violet in perfect condition. And when outstanding results matter, rely on SPGPrints' ink technology. Our inks are specially formulated to deliver optimum performance. In-house development allows us to offer inks with unrivalled quality and runnability that add value to your business. Our inks guarantee unattended printing without nozzle blockages or print head failures while adhering to the highest standards and legislation on sustainability.

## **End-to-end control for quality output**

The combination of the versatile fabric infeed unit, complete control over the fabric during printing, the stand-alone dryer and the international recognized SPG Prints Reactive or Pigment inks based on N-RICH technology guarantees an end-to-end control for quality output. The built-in humidifier keeps the KonicaMinolta printheads in optimal printing condition during all times, enabling stand alone printing for long periods.

## Designed for continuous production

### Fabric infeed system

- Small roll unwinder to maintain constant tension throughout the length
- Uncurler roller to spread the fabric and ensure straight edges
- Blanket with adhesive keeps the fabric even and prevents creases while printing – achieving accurate printing results

### Blanket cleaning system

- Equipped with brush roller and water jets to wash off the lint and excess inks on the blanket
- Absorbant roller to ensure removal of excess moisture
- Infrared belt dryer to dry the blanket completely and activate the adhesive on the blanket
- External water reservoir with enough capacity to work a whole

### Dryer

- Compact infrared dryer for rapid drying of printed ink on fabric
- Energy efficient radiation for reduced heat dissipation into the room

### Ink system

- 4 litre ink tanks for long ink refilling cycles
- Latest degassing and bubble removing system to avoid printhead blockage during printing
- Inline ink filters for safety of printhead
- Ink refill during running
- Low ink warning for operator attention

## A closer look to inspiring details

Features	Description			
Printing width	1800 mm			
No. of PH	8 or 16			
Print heads	KM1024i			
Ink	Reactive or Pigment			
Colours	8			
Environment Conditions	Room temperature 20 - 25°C			
Printer Dimension	Width: 4.0 m, Length: 1.50 m, Height: 1.65 m			
Printer Weight	1260 kg~			
Print modes / Production modes	Passes	DPI	Speed (sq mtrs / hr)	
			8 PH	16 PH
Mode 1	2	540 * 720	90	150
Mode 2	3	540 * 1080	60	102
Mode 3	4	540 * 1440	45	78
Mode 4	4	720 * 720	37	60
Mode 5	6	720 * 1080	25	40

\* Actual performance may depend on the specific type of system and application settings

## 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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