

spgprints®



ROSE

# The most colorful industrial sublimation printing solution

Printing tomorrow.



# Your point of view

## Need to revamp or scale up digital production?

If you are looking to replace your digital printer or to add more capacity, Rose offers a great new perspective. Digital printing has been around for a while now and more printers are stepping into the digital arena using the latest technologies available. As an early adopter of new technology, you can still stay ahead. Looking at the needs of our customers in fashion and sportswear, we designed Rose to help you achieve efficient production and a good TCO, based on a robust design for maximum uptime. With 420 m<sup>2</sup> per hour in two pass mode, vivid colours, gradients, and fine details, you are sure to satisfy the need for quick turnarounds and high quality of your customers.

## Want to step up to industrial level printing?

Producing more than your digital print fleet can handle comes at a price. Quality issues due to overload and excessive downtime can reach to a cost level that makes sound investment in an industrial sublimation printer more profitable. But there is more to it than just finance. Dependable production and improved performance as a supplier will give you peace of mind and a much better outlook for the future. You can count on excellent print quality up to 300 x 1200 dpi, even at high production speeds. Rose is the next level printer you did not think of when you started out. Times are changing. Are you changing with us?

## Add digital to your rotary screen print production?

Based on our vast experience in textile printing we know how to guide you into the digital age. With Rose you can offer flexibility, spectacular designs, and faster lead times than ever before. No more risk of overstock or shortages. Instead, you can offer on-demand production, delivered within days' notice. And what is more: clean and environmentally friendly production that meets the growing request for sustainability across the supply channel.





# Our outlook

## Providing solutions

Our focus is to provide complete solutions that help you meet challenges and offer new perspectives for your business. Integrating Rose into your production comes with sound advice and support to embed this industrial sublimation printer into your workflows, combined with powerful inks that are optimized for the printer as well as for the sublimation paper. Of course, installation and training are part of the package as well. A complete solution that keeps you ahead of your competition.

## A Rose for every application

The digital sublimation printer Rose is available in 3 versions:

- **Standard:** 4 color printing (CMYK) for economical printing for all applications, from fashion to sportswear to home deco applications.
- **Fashion:** 6 color printing (CMYK, Orange, Blue) for the widest color gamut in the industry.
- **Sportswear:** 6 color printing (CMYK, fluorescent Yellow, fluorescent Magenta) for the most fashionable sportswear and to match Pantone fluorescent colors.

## 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 Rose in perfect condition. And when outstanding results matter, rely on SPGPrints' ink technology. Our performance inks are specially formulated to deliver optimum performance. In-house development and production allow 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.

The combination of technology incorporated in Rose, internationally recognized SPGPrints performance inks with N-RICH technology and sublimation paper with guaranteed paper-ink compatibility offers end-to-end control for quality output. As an industrial printer, Rose is engineered for maximum mechanical stability in order to bring ink and paper together at high speeds with microscopic precision. It is fully turned to keep the 8 EPSON PrecisionCore industrial printheads performing at their best.

# Landmarks that lead the way

Features	Description			
Printer type	Roll-to-roll paper sublimation printer			
Print media	Sublimation transfer paper			
Min. paper thickness	25 g/m2			
Maximum print media width	1900 mm			
Printing width	1860 mm (image width 1850 mm)			
Print resolution	High Definition mode : 300 x 1200 dpi High Speed mode : 300 x 600 dpi			
Productivity	Printing width	Passes	Square Meter/hr	
			High Definition	High Speed
	1850	1-pass	490	720
	1500		400	580
	1850	2-pass	270	420
	1500		220	340
	1850	4-pass	130	210
1500	110		170	
* Actual performance may depend on the specific type of system and application settings				
Paper transport type	Automatic paper unwind & rewind			
Paper rewind	Max. roll weight: 200kg Max. roll diameter: 400mm Max core width: 1920mm Max paper width: 1900mm Core diameter: 74mm			
Drying method	6x Infrared heaters			
Print platform height	1000 +/- 50 mm			
Print head	8x EPSON S3200-A1 (4-color Rose) or 12x EPSON S3200-A1 (6-color Rose) 3,5 - 7 - 13 picoliter variable drop size			
Colours	4 colors (CMYK), 6 colors (CMYKOB) or 6 colors (CMYK fluorescent MY), symmetrical layout			
Inks	SPGPrints MORPHO-F sublimation inks			
Environment condition	Room temperature 20°C - 30°C Humidity 55%-70%; non condensing			
Power	380VAC, three-phase three-wire+G (Independent, reliable & effective ground wire is required) 50 Hz /60 Hz			
Compressed air	0.06m3/min, ≥0.7MPa;			
Power consumption	13kW (include dryer heating power 9kW)			
Dimensions printer	4000 x 2520 x 1760 mm			



# 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. Your customers can order smaller batches and easily re-order successful collections. It reduces the waste of resources required to produce and ship stocks that will never reach consumers. Next to that, sublimation printing makes steaming and washing of printed fabrics redundant by using transfer paper to apply the design onto the fabric. This saves the constant use of power and water in your production. And finally, Rose displays a colourful world with high quality inks that are ZDHC and Oeko-Tex compliant.

## 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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