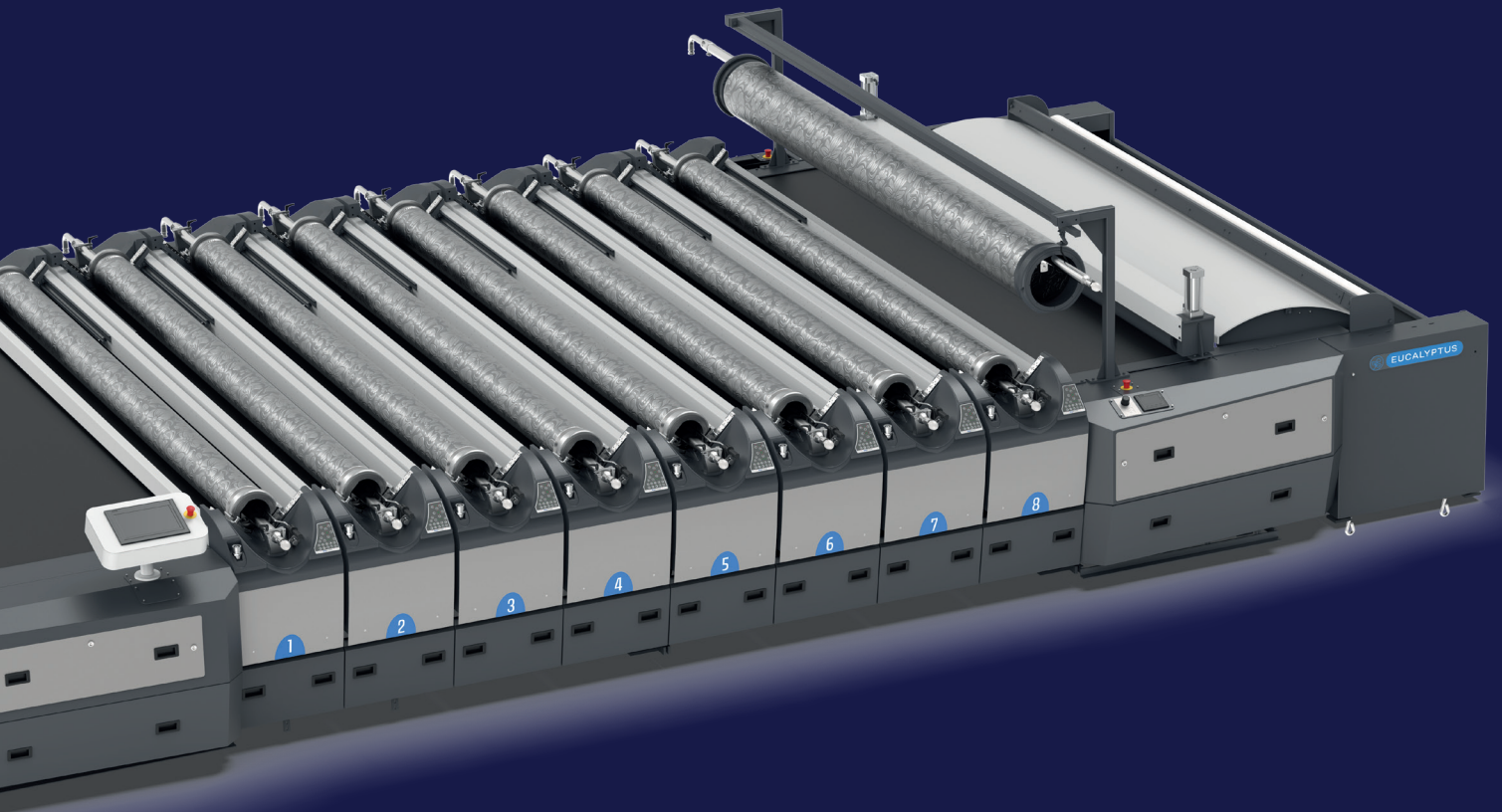


spg prints®



EUCALYPTUS

Wider width high quality rotary print applications

Printing tomorrow.

Expand your options

With Eucalyptus, SPGPrints takes pride in developing a rotary screen textile printing machine that more than lives up to the brand's reputation, based on more than 70 years of experience in textile printing field. This machine is the newest successor of the highly successful Pegasus-OR printing system. With its robust, more stable & improved price-performance ratio, combined with the service and stability of the SPGPrints organization, it gives you a competitive edge in countless textile printing applications.

Main characteristics

- High quality printing with excellent reproducibility
- Reduction in printing costs
- An Open Bearing system
- Proven technology complemented by innovative developments
- Servo-driven by A-brand components
- Printing width possible between 2.40 to 3.25 meters
- Remote service and option to expand service level support
- All repeat options 640, 725, 819, 914, 1018 mm

Proved Performance

Eucalyptus gives you the flexibility you need to work quickly, efficiently, and competitively. Rapid and easy production changeovers make it ideal for shorter run lengths. High registration accuracy minimises waste and simplifies printing of frequent repeat orders. Also high quality is guaranteed – at all times. The Eucalyptus is a long-lasting and economical solution for the textile printing industry, both now and in the future.

The machine is equipped with a servomotor for each position to improve accuracy. Each position can be adjusted individually and can be set high or low. This ensures the highest printing quality, combined with an excellent efficiency and therefore minimum waste. Lateral and diagonal repeat can be adjusted electronically as well. All electronic communication in the machine runs through a profinet communication system, that reduces the amount of cabling in the machine and therefore also reduces the chances of malfunction.

To improve the ease of operation, every printing position is equipped with a touch panel on both sides of the machine, so repeat settings, squeegee/magnet force and colour pump settings can be adjusted with ease. The main control panel is also touch-operated, and is connected to PLC & motion controller. The user interface of the touch panel is self-explanatory, and can be operated without extensive training. Not only various recipes can be stored, but all relevant system information can be retrieved too. If required, the machine can be accessed remotely.

Open Bearing System

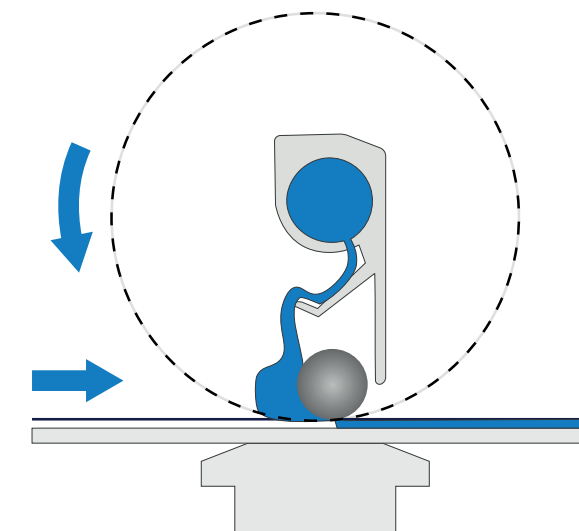
Eucalyptus incorporates an open bearing system. This allows you to place the screen, squeegee pipe (which supplies the printing paste) and screen heads on the machine as one set. Insertion and removal of screens and squeegees is therefore much simpler, which considerably reduces changeover time. Damage to engraved screens is minimised because they do not have to be removed separately from the machine. Also changing to another repeat size only requires a different screen head set.

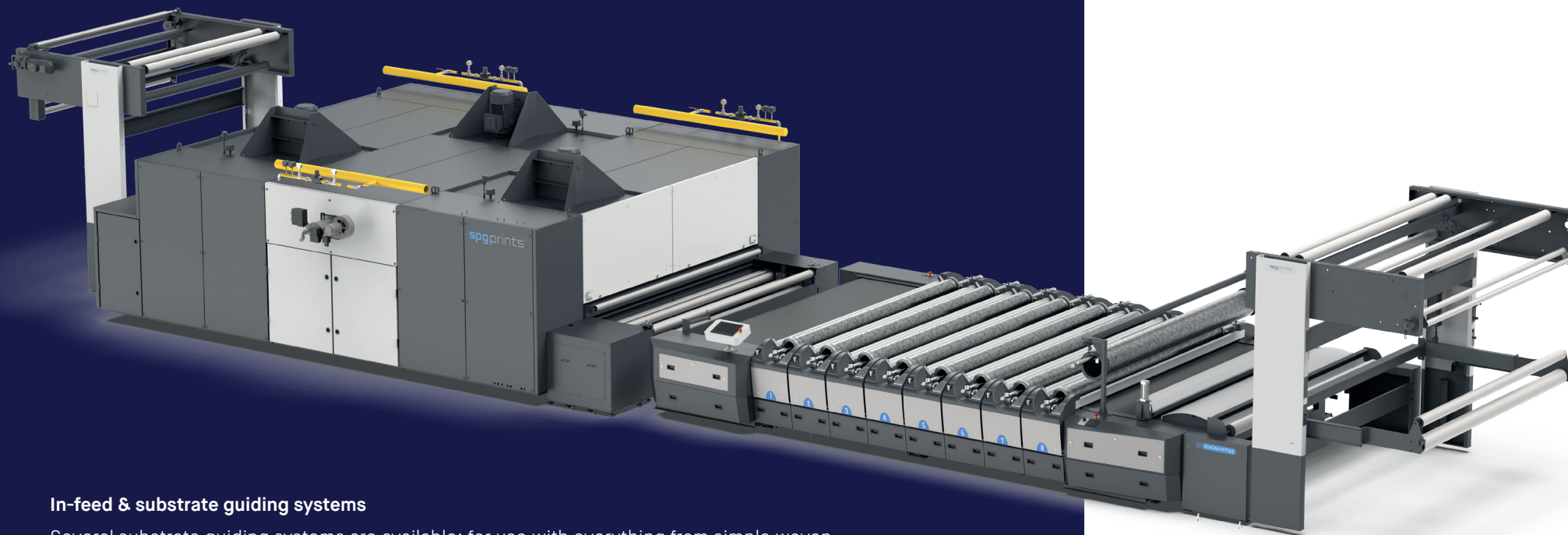
Electro-magnet beams

Electro-magnet beams are the most stable type of magnet beams. The variable magnetic force is set by adjusting the electrical power through individual station operating keypad.

Magnet / Roller squeegee

The magnet roller squeegee is mainly used for wider-width printing. The amount of paste is determined by the roll diameter and the magnetic force, which is adjustable for each individual printing position.





Expand your options

The Eucalyptus' functionality and performance can be extended considerably. Additional options allow you to increase operational efficiency even further, thus streamlining your printing and enabling better revenue generation. Various features significantly reduce the consumption of water and paste, which also contributes to lower operating costs. All in all, this machine gives you a competitive edge in countless textile printing applications.

In-feed & substrate guiding systems

Several substrate guiding systems are available; for use with everything from simple woven substrates to more complicated textiles like knits which contain Lycra.

Dust extraction (with brush or without brush)

We supply a variety of systems to remove dust or lint from the substrate top side, therefore ensuring optimum printing quality. You can choose the dust extraction system best suited to the specific requirements of your substrates.

Gluing device

An efficient, easily cleanable system for applying adhesive. The thickness and width of the applied adhesive can be accurately set and regulated according to printing speed.

Operating panels on both sides of each printing position

For extra convenience, each printing positions is equipped with an easy-to-use, ergonomic control panel on both sides of the machine. The panel enables you to control all position-related functions, such as longitudinal, lateral and diagonal repeats. A LED light on keypad clearly indicates the selected settings.

Blanket-washer - Brush type

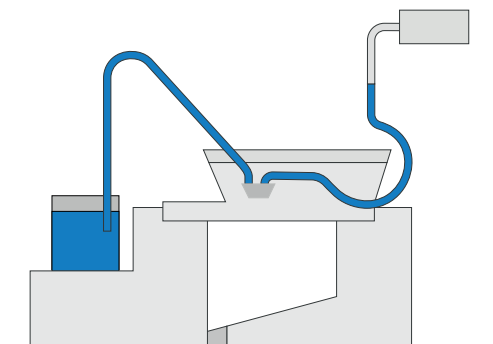
The blanket washer includes a pre-washer with spray pipe and robust static brush, two rotating brushes, a spray pipe for clean water and two dry scraping squeegees. To facilitate cleaning, the blanket washer can be removed easily, sideways from under the printing machine. Both recycled and fresh water can be used.

Water recycling system for blanket washer

You can drastically reduce the amount of water required when using the water recycling system for blanket. It consists of a pump unit with filter that allows water in the blanket pre-washer to be recycled. Clean water is only required at two brush rollers. This also makes a significant contribution to a better environment while lowering your operating costs.

Eco paste system

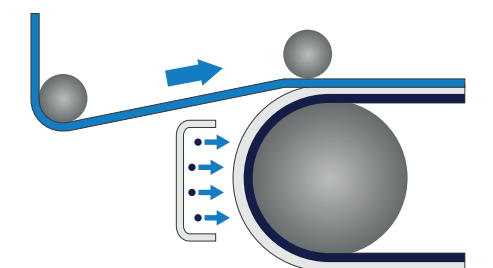
This unique paste return system in combination with rubber ball and reversible color pumps, takes out maximum amount of color paste left in the squeegee pipe. While feeding color, rubber ball is pushed on opposite side of squeegee pipe and during paste reversal operation, the ball is sucked towards the color pump side, to ensure dragging out max amount of paste from squeegee pipe.



Eco paste system

Thermoplast adhesive system

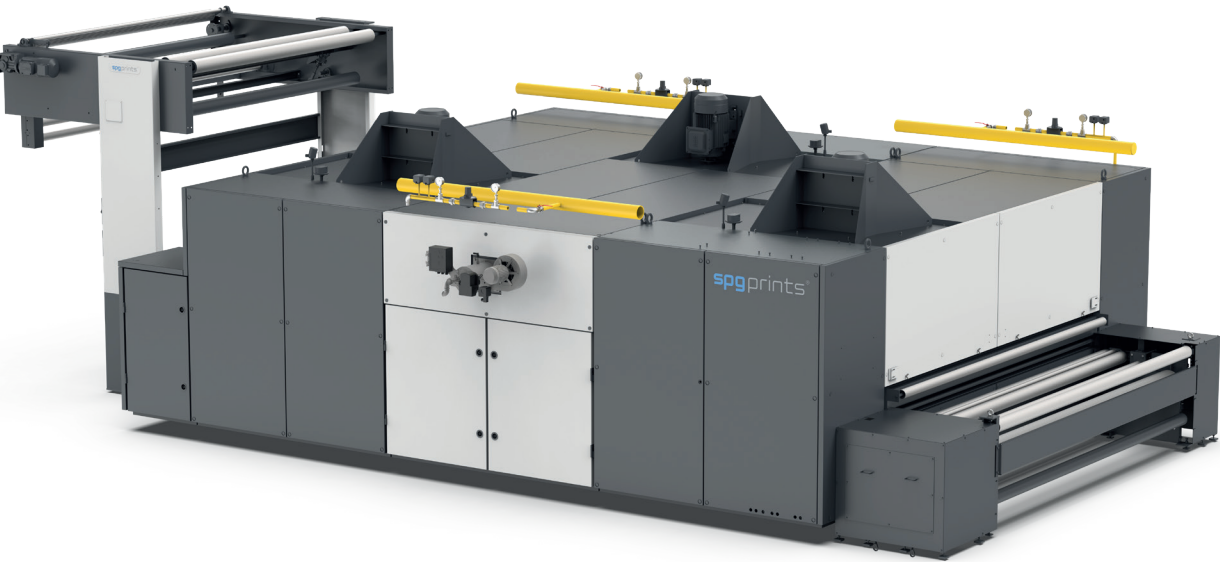
The thermoplast adhesive includes a special speed-sensitive infra-red device to heat the blanket and thermoplast evenly. For an optimum gluing result the substrate is preheated on the curved heated plate. In this way, synthetic substrates can be printed with the highest accuracy. All tools for applying and removing the thermoplast are supplied as standard.



Thermoplast adhesive system

Colour pump water savings package

The colour pumps and colour hose are initially washed by means of recycled water and then rinsed with fresh water. This fresh water will again be re-used as recycled water. This saves considerable amounts of fresh water, which lessens the environmental impact and also lowers your operational costs.



Apollo II Dryer

The SPGPrints' Dryer Apollo II is a high-efficiency drying unit that enables rapid and uniform drying of cloth. Its extremely economical performance ensures that only a minimal amount of energy is consumed for drying, and its compact design occupies minimal floor space. The optimum amount of air is extracted to achieve maximum evaporation and steady outflow across the full width of the dryer, while keeping power consumption low. In addition, compatibility with several fuel types allow Apollo II to be integrated easily into your existing facilities. Being more compact also means there is less cloth inside the Dryer, so inspection and adjustments can take place at an earlier stage, increasing process efficiency.

The Apollo II is suitable for drying diverse type of substrates. It can be heated using thermal oil, steam or directly, using gas, as per suitability. The high turndown ratio allows quick heating, while enabling operations at a very low energy level for substrates sensitive to heat.

A closer look to inspiring details

Features	Description
Model width	2850/3250 mm
Possible printing width	Max. 3250mm / min. 2400mm
Number of colour	Up to 16
Speed	4 - 80 meters per minute
Infeed	Knit or Woven from big batch or trolley
Screen Drive	Individual drive
Printing Heads	Open bearing system
Squeegee System	Roller squeegee
Operating and colour side	Left & right-side flexibility
Gluing System	Wet (with airflow squeegee blade) & thermoplastic gluing as option
Repeat possibility	All repeat from 640-725-819-914-1018 mm (640 Standard supply)
Colour Pumps	Pneumatic / SB-7 reversible pumps
Dryer	Apollo-II Dryer with 2, 3, 4 & 5 sections

Unique SPGPrints screens, lacquers & digital engraving

SPGPrints is a one-stop solution for textile printing as it offers complete program of RandomScreen, OrtaScreen, NovaScreen, PentaScreen, StandardScreen, SpecialScreen, endrings, lacquers, and chemicals that comply to ultimate quality specifications and care for the environment. We also offer a wide range of additional products for both conventional and digital engraving methods.

In addition to an exceptional screen and conventional engraving program, we are also renowned as the leading partner for digital engraving. Our laser engraving systems have been a feature of the textile industry for over 25 years, offering a faster, more efficient, high-quality, and eco-friendly approach to imaging. SPGPrints is a reliable partner in business, offering you not only a one-stop-shop but also global application support as well as local presence and involvement/commitment.

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.

The data in this brochure is based on the information available at the time of publishing and are subject to change without notice. SPGPrints does not warrant that any prices or specifications mentioned will be error-free. SPGPrints reserves the right to modify its products at any time without further obligation. All brand and product names may be registered trademarks or trademarks of their respective holders and are hereby acknowledged.