

spgprints®



KAPOK

The new RD8 based printing system with exceptional reliability

Printing tomorrow.



KAPOK

Kapok is the successor of the superbly successful RD8 with an acknowledged USP of quality and reliability at affordable cost. Specially designed and techno empowered for a durable and dependable lifespan, it is ideal for high volume operations where quantity is a priority and quality is a promise.

Main Characteristics

- Exceptional reliability
- Ideal for high-volume operations
- Simple and rapid changeovers
- Consistent operations and excellent reproducibility
- Suitable for all types of fabrics
- Uniform & Optimized Glue Application
- Blade Squeegee / Roller Squeegee / Combi Position / Airflow Squeegee
- Permanent magnet beams

Options

- Individual or Twin Drive as option
- Thermoplast adhesive system
- Repeats: 640mm, 819mm, 914mm & 1018mm
- Blanket washer with brushes

Uniform and Controllable Wet Glue application

Kapok uses an advanced wet glue application system linked to line speed of machine to ensure even glueing thickness right from the initial setting speed and in production leading to lesser seconds quality. The earlier version of easy to operate double roll system is offered as standard.

Reliable for 24x7 operations

The robust mechanical drive system of the Kapok provides long and uninterrupted services. A central main motor drives both the screens and blanket. Based on this sound and reliable principal, users have benefitted high productivity coupled with excellent quality of registration and minimum need for maintenance stops. No wonder this successor of RD 8 Series is termed as an excellent WORKHORSE by leading printers worldwide proven repeatedly by consistent performance and productivity under demanding conditions of tropical temperature and high relative humidity.

Individual Drive

Individual drive is the next generation option available on Kapok. Coupled with the familiar head technology of SPGPrints, the printing blanket and screens are operated independently with servo drive motors allowing flexible lead setting and ensuring fine control.

For printers who need highest level of accuracy, the Individual drive is an energy saving method coupled with reliable drives and electronics which are user friendly, reduces second quality during printing. Longitudinal repeat setting can be done by a touchscreen interface and saved for future reference and for colourways and repeat orders.

Repeat Setting for Individual Drive

All positions are capable of individual control setting for lateral, diagonal and logitudinal directions. Squeegee pressure and magnetic flux pressure are also flexible.

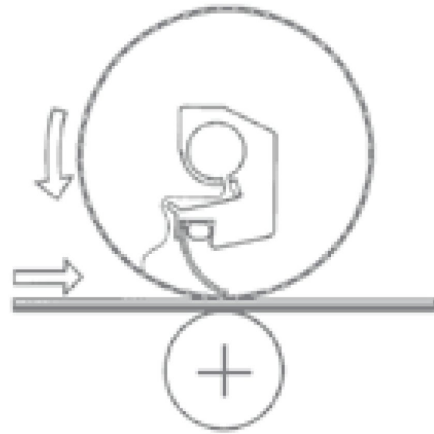
Popular repeats 640, 819, 918 and 1018 mm repeats are available in both ID and TD.

Infeed & Substrate guiding systems

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

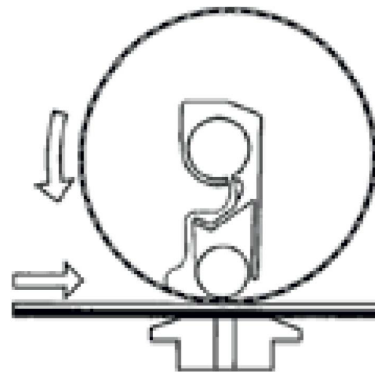
Blade Squeegee

- Better control over paste amount during printing
- More paste on surface, sharper fine prints and contours
- Well defined for easy colour match
- Significant savings in dyestuff costs



Roller Squeegee

- Permanent Magnet system
- Magnet force control
- Easy to Maintain magnet beam
- Easy operation
- High reproducibility
- Smooth and knurled rod sets available
- No use of electrical power
- Suitable for blotches and solid areas

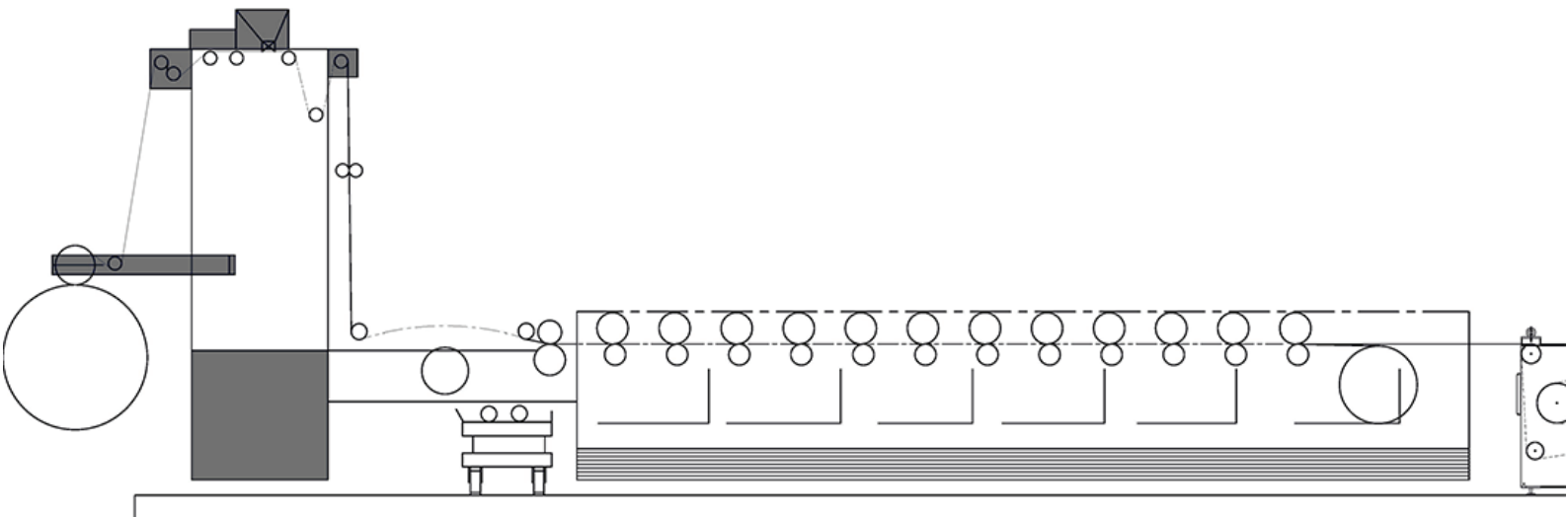


Flexibility and Versatility

Kapok is suitable for optimal printing effects such as halftones, fine lines and blotches.

The machine can be used for fashion, apparel wear, bedding, upholstery among other applications.

Vibrant, bright and sharper contours are a hallmark of the machine's capability to meet the desired output of the printer enabling outstanding creations translated onto fabric.



Print Paste System

The Print Paste System consists of pumps located in a trough in the floor of the print shop. The total quantity of print paste in the screen can be controlled and kept to a minimum with the help of level controllers. At the end of print run, the pump direction can be reversed (in case of Gear pump), which will return the print paste from the squeegee pipes to the vessel, so that paste wastage during colour change is minimized.

Water Saving Blanket Washer

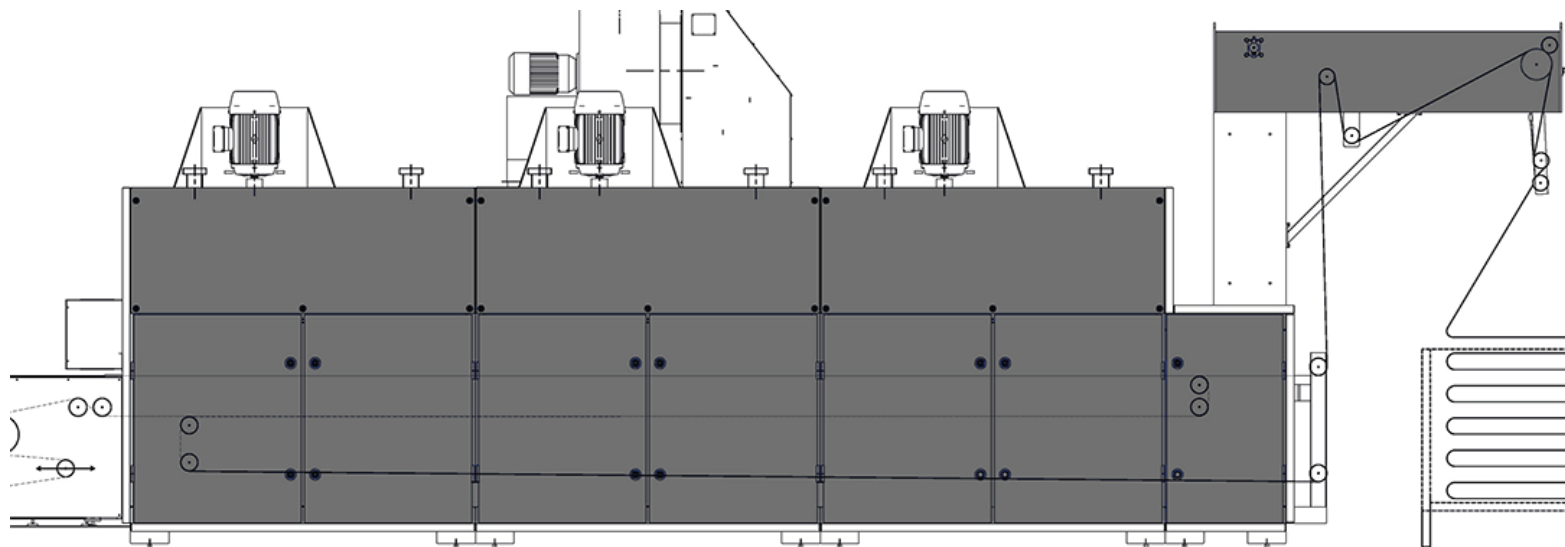
The washing system intergrated to the front of the machine below the main drum roller employs a specially designed circuit of using fresh and recirculated water from an underground tank or an overhead source ensuring minimal usage of fresh water for the blanket washing process. Standard Blanket Washer is available with sponge. Option of Blanket Washer with Brush available.

Kapok Twin Drive (TD) Option

For those customers, who are in favor of the variable lead setting of Individual Drive version, but do not require other benefits of ID version, there is an intermediate solution: The Twin Drive.

Twin Drive execution consists of own motor for blanket drive mechanism and screen drive mechanism, along with touch screen(HMI) for operator's convenience, and by this way machine being advantageous as below.

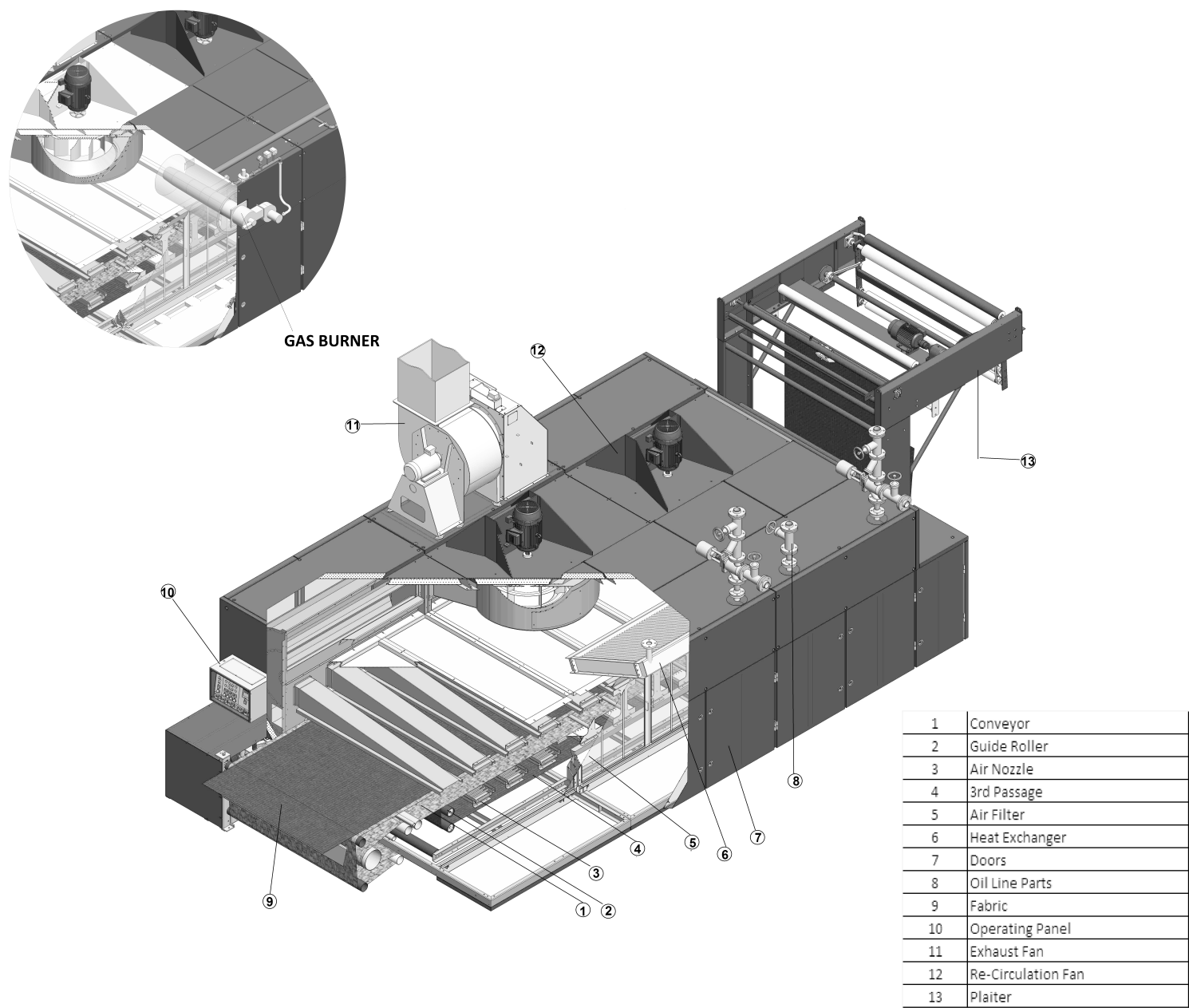
- Flexibility to adjust the Lead
- Ease of machine operation through HMI
- Easy fault finding & diagnostics
- Remote online service support



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.



Technical Specifications

Features	Description
Model width	1280 1620, 1850 & 2250 mm
Number of colour	Upto 16
Speed	Upto 80 meters per minute
Infeed	Knit / woven
Screen Drive	■ Common AC Servo Motor with gear box ■ Options: Individual Drive & Twin Drive
Printing Heads	Closed, lifetime-lubricated bearings
Squeegee System	Combination of Blade & Roller squeegee
Operating and colour side	Left & Right fixed - looking from Infeed
Gluing System	Wet (with airflow squeegee blade) & thermoplastic gluing as option
Repeat possibility	640-725-819-914-1018 mm
Colour Pumps	Pneumatic/ SB-7 reversible Gear pumps
Dryer	Apollo 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.



Printing tomorrow.

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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