



Pegasus OR2 rotary printing machine



The improved solution for high-quality print jobs

Stork Prints



New and improved

With the Pegasus OR2, Stork has developed a rotary screen textile printing machine that more than lives up to the brand's reputation. A new and improved version of the highly successful Pegasus OR, it is more robust, stable and user-friendly, and therefore even more reliable than its illustrious predecessor. Higher quality – at lower costs.

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What's new?

First of all, the construction of the machine has been reinforced. The round, plastic covers of the in and out feed sections have been replaced by square, steel ones. The gluing device's suspension has been further improved, resulting in more even glue distribution and, therefore, higher print quality. Furthermore, the main operator panel has been replaced by a more stable and user-friendly touch screen. In addition, other slight improvements have been made, all together making the Pegasus OR2 *the* solution for high-quality print jobs.

Advantages:

- High-quality printing
- Excellent reproducibility
- Reduction in printing costs
- An individual stepping motor drive at each printing position
- An open bearing system
- Machine widths from 1850 to 3250 mm
- Additional options to expand your printing possibilities



The Pegasus OR2 is an exceptionally productive system that meets the most demanding requirements in textile printing. From short runs to high volume batches, on almost all types of substrate, it guarantees absolute reproducibility and top quality – at low cost.

Variety of widths

The OR2's design concept makes it particularly suitable for printing wide substrates. Depending on the model, you can print fabric widths ranging from 1100 to 3250 mm. Another major advantage is the individual stepping motor drive at each printing position, providing you with an extremely high degree of operation control, accuracy and reliability.

Expand your options

The Pegasus' 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, the Pegasus gives you a competitive edge in countless textile printing applications.

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Proven performance



The Pegasus OR2 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 Pegasus OR2 is a long-lasting and economical solution for the textile printing industry, both now and in the future.

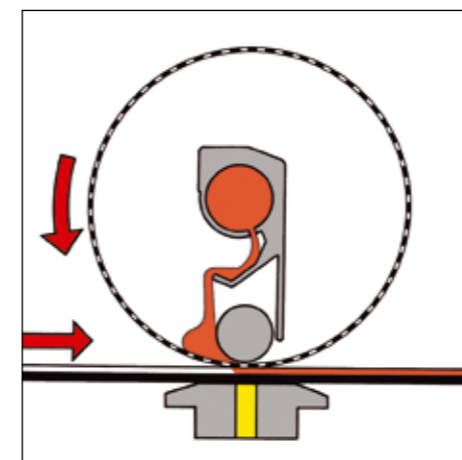
Shorter changeover times and better protection of screens

The Pegasus OR2 incorporates an open bearing system. This allows you to place the screen, colour pipe (which supplies the printing paste) and squeegee on the machine as a complete unit. 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. Also changing to another repeat size only requires a different drive wheel and tensioning ring, therefore saving you time.

Uniform print quality and greater ease of operation

Using a magnetic roller squeegee system, the Pegasus OR2 offers two clear advantages. Firstly, as the beam's magnetic force remains absolutely constant, a highly uniform print quality is achieved across the entire printing width, which is vitally important when printing in register. For each printing position, the magnetic force is adjustable in steps. The second main advantage is ease of operation. The magnetic roller squeegee system is easy to set, and the few adjustments required can be made extremely quickly thanks to a well laid out user interface.

Roller squeegee





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Dust extractor (1)

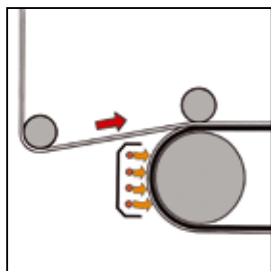
Stork supplies a variety of systems to remove dust from the substrate, in order to prevent print quality from being compromised. Several options are available, including versions for woven and knitted fabrics.

Lattice roller (2)

This roller, especially developed for the use of knitted fabrics and other sensitive materials, feeds substrates into the machine without exerting any tension on them, preserving their delicate structures. Lattice rollers can be used in a number of combinations with uncurlers, which ensure that the edges of the material used are glued flat on the printing blanket.

Gluing device (3)

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



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Thermoplast adhesive system (4)

The thermoplast adhesive system includes a special speed-sensitive infrared device, which heats the blanket and thermoplast evenly, regardless of its speed. It also features a tool for applying thermoplast onto the blanket and, once worn off, removing it.

Control panels on both sides of each printing position (5)

For extra convenience, each of the OR2's 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. An LCD screen clearly indicates the selected settings.

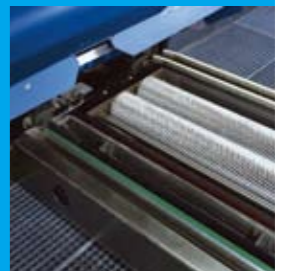


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Blanket washer (6)

The OR2's 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.



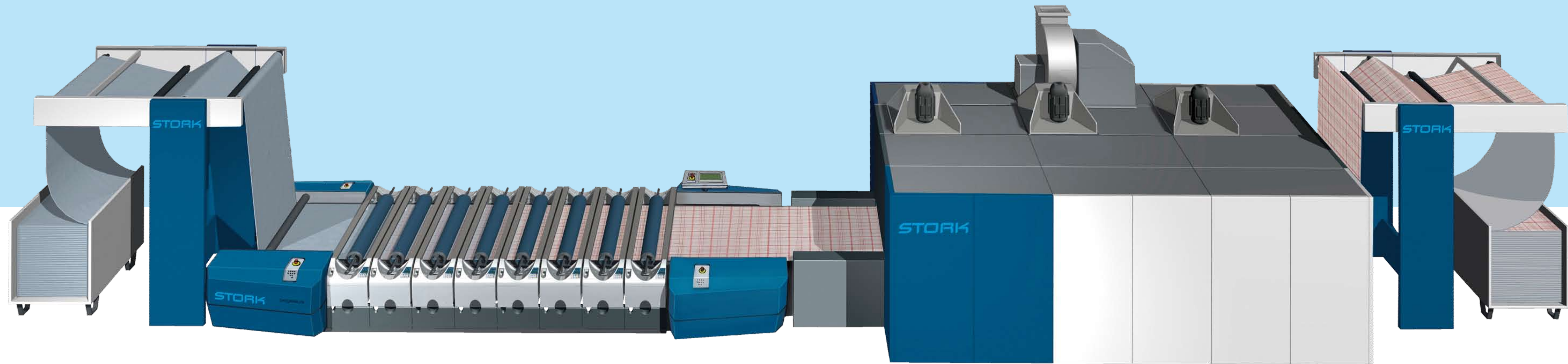
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Main operator panel (7)

As standard, you can operate the machine in two ways, either using a function key pad or using the logically designed menu structure of a touch screen, on which machine settings and parameters can also be set. Both options are available through the main operator panel. The touch screen, which in the OR2 is a new and more user-friendly version, also informs you of the machine status and provides you with graphically supported error diagnoses. It runs under a stable, Windows based operating system.

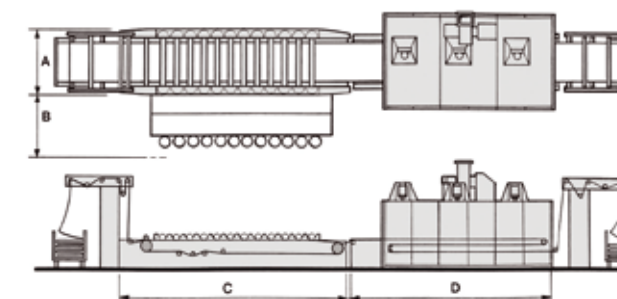


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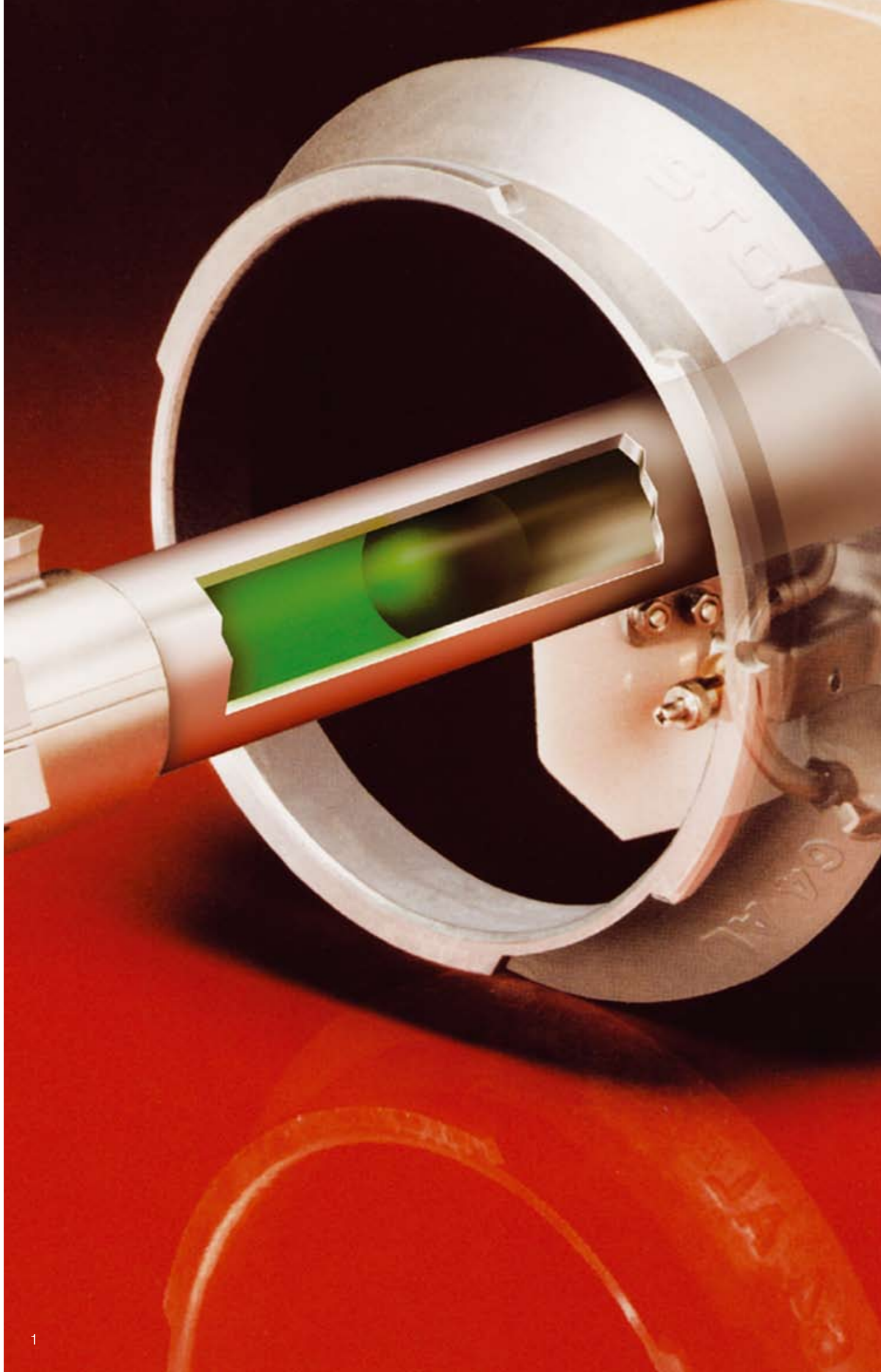
Pegasus OR2 rotary printing machine

The Pegasus OR2 is completely developed and produced at our production location in India, which also houses our global Service Centre for textile printing. Located in the heart of today's textile industry and established in 1978, Stovec has built up over 30 years of experience and know-how, resulting in high quality textile printing solutions at an excellent price performance ratio.

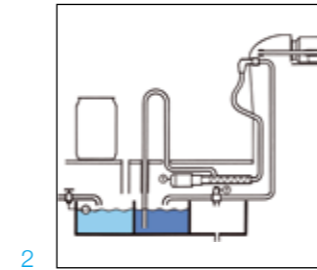


Max. printing width	1850	2450	2850	3250
A in mm	3450	4050	4450	4850
B in mm	2920	3520	3920	4320
C in mm	3800	4150	4225	4400

Infeed type	IFS-D/IFS-A		IFS-DJ/IFS-AJ						
D in mm	2500		4100						
No. printing positions	8	10	12	14	16	18	20	22	24
E in mm	7430	8530	9630	1073	11830	12930	14030	15130	16230
No. drying sections	2	3	4	5					
F in mm	5410	7550	9690	11830					
Cloth exit type	EXS-P/EXS-B		EXS-BP						
G in mm	1500		2500						



Taking performance even further



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Several dedicated machine concepts are available to further enhance the performance and functionality of your Pegasus OR2.

Paste return system (1)

Save surprisingly large amounts of paste with Stork's unique paste return system. This ingenious system removes unused paste from the squeegee by means of a small rubber ball, which, forced along by air pressure, pushes residual paste from the squeegee back into the storage container. The advantages, in terms of reduced costs and environmental friendliness, are self-evident.

Water recycling system (2)

Use of recycled rather than fresh water to wash the Pegasus' pumps and pipes, considerably lowers the volume of fresh water required, resulting in lower operating costs, while in addition the environmental impact is lowered! With a water recycling system, only a small amount of clean water is needed for rinsing, which itself is re-used for pre-washing.

Helpdesk (3)

Stork offers an excellent online support package, which provides you with rapid and expert helpdesk assistance in the event of a problem. In addition, we provide our customers with local service and support, through our extensive global network of service inspectors and engineers.



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Self adjusting flanges (4)

With self adjusting flanges on your squeegees, you can use rollers of various diameters without having to adjust the squeegee holder, since these always ensure a good contact between roller and screen. For your stainless steel squeegees, a range of both smooth and knurled rollers is available, allowing you to vary the applied amount and penetration of paste, and therefore to print many different kinds of substrate.

Screen Tension Control (5, option)

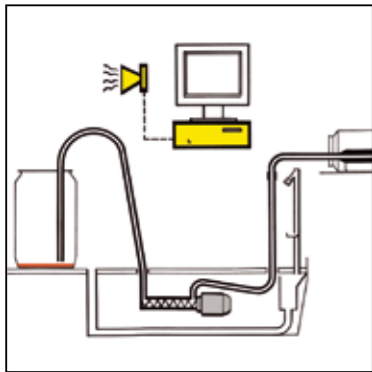
Screen Tension Control provides the reassurance that unforeseen events such as the loosening of an end ring, screen release or, worse still, screen breakage will be immediately detected. Screen Tension Control constantly monitors the tension on each screen and stops production instantly if a malfunction occurs.

Paste Bucket Monitor (6, option)

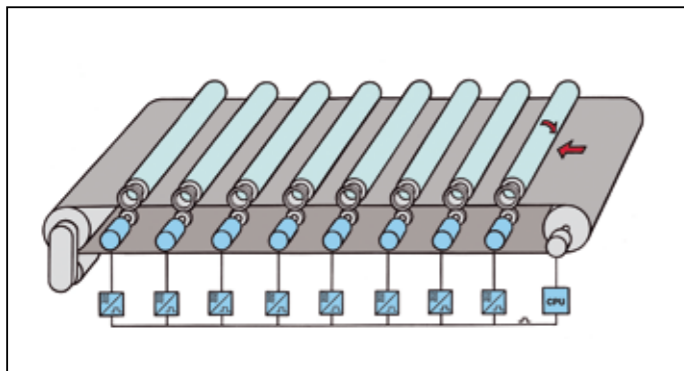
The Paste Bucket Monitor is a tool that checks whether paste is being properly pumped to the screen. If insufficient paste is reaching the screen, it generates a warning signal, indicating for instance an empty paste bucket or a loose supply hose.

Power stepping motor (7)

For greater accuracy, each of the Pegasus OR2's printing positions is directly driven by a dedicated power stepping motor. These compact electronic motors are controlled by digital pulses, each of which causes identical angular adjustments of the motor, which in turn rotate the screen at an exact, pre-specified amount.



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Stork Prints

Stork Prints is part of Stork NV, a global technology group comprising 60 companies, with a total workforce of around 12,000 and a turnover of □ 1.8 billion.

For further information see www.storkprints.com.

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