



Ruby V

## *Ruby V – best performance with high speed*

### *Stork Prints*

Ruby V is a new generation high speed digital textile printer, entirely developed and built for high quality production runs on any kind of textile substrate, up to 1,6 m width an production speed up to over 40 m<sup>2</sup>/hr.

This new model includes the best improvements and technical contents, with the results of top efficiency, productivity and perceived quality. The Ruby V with its speed potential and colour control, combined with a competitive price and small footprint opens new opportunities to digital textile print.

The Ruby V comes with the new extra wide variable dot Epson print heads, with 1440 nozzles per head, 4 times more than the previous print heads.

The distance from the print heads and the fabric surface is automatically controlled by a sensor.

A sophisticated laser device checks on the fly each nozzle efficiency and prevents from print faults.

The Ruby V incorporates a new belt drive which gives it extra precision, so the print at the end of the substrate is exactly the same as at the beginning.

The adhesive blanket prevents even the smallest movement of the substrate once in position, and ensures perfect registration. A precision twin roll unwind mechanism with photocell edge sensor guides the fabric precisely and smoothly onto the blanket, whose glue is activated by heat, making the Ruby V ideal to print also on elastic fabrics.

A rotating brush washing unit with open water circuit prevents 'back printing' by removing the excess of ink from the adhesive blanket. The entire washing unit is mounted on rails and can be extracted with ease for inspection and cleaning.

Two infrared dryers; one before the printed fabric rewind station to dry out the fabric and the other one just after the washing unit to dry out water traces from the blanket, and pre-heat the blanket's surface to optimal working temperature of the thermoplastic adhesive.

#### [Differentiating from other printing systems](#)

Nowadays, most professional digital printing systems provide acceptable end results, But what really makes the

difference are aspects like operating software, the level of application knowledge and available support. Our dedicated PrintServer software, with its easy-to-use graphical interface, ensures excellent reproduction of the original design, as well as a high degree of conformity between individual print runs.

In addition, the Ruby V incorporates much of the expertise that has made Stork one of the world's most renowned suppliers of textile printing equipment. Our proven ink technology, our

advanced colour management capabilities and our extensive application knowledge are all combined to give you outstanding image quality that in many cases surpassed the of conventional printing. At Stork we also provide extensive training so first-time users can get the very best out of their equipment. And you always have the backup of our global support network.

#### External ink supply

The Ruby V is fed by an external ink system which guarantees a smooth, uninterrupted and stable ink

supply to the printer, without the nozzle failure often associated with other systems. This is especially useful at higher printing speeds.

#### Comprehensive range

The Ruby V is part of a wider range of digital printers from Stork. We offer systems that enable everything from sampling to small- and even medium-volume production print runs. These are complemented by auxiliary equipment including fixation units and external ink systems. For full details, see [www.storkprints.com](http://www.storkprints.com)

### Technical Data

Printer	Variable dot piezo print heads
Print head n° – Colours	4 extra wide 1440 nozzles piezo print heads – Each head 8 colours, 8 x 180 nozzle rows
Print heads level	Automatic print head level adjustment from substrate: 0 - 7 mm Optional manual print head lifting device to print on thick substrates: 0 - 8 cm
Print head cleaning	Automatic print head cleaning cycle – automatic laser nozzles check
Print resolutions	540 – 720 – 900 – 1080 – 1440 dpi a 4,6,8 pass – mono & bidirectional
Fabric transport	Twin roll unwind unit with edge sensor – Adhesive blanket – Twin roll rewind unit
Print width, roll size	Maximum print width: 161 cm (63,3") – maximum fabric roll diameter 28 cm (11")
Print speed:	» 4 colours – 540 x 720 dpi, 4 pass, bidirectional, 54 m <sup>2</sup> /h » 4 colours – 540 x 1080 dpi, 6 pass, bidirectional, 41,7 m <sup>2</sup> /h » 8 colours – 540 x 720 dpi, 6 pass, bidirectional, 28 m <sup>2</sup> /h » 8 colours – 720 x 720 dpi, 8 pass, bidirectional, 24,8 m <sup>2</sup> /h » 8 colours – 540 x 920 dpi, 8 pass, bidirectional, 24 m <sup>2</sup> /h » 8 colours – 540 x 1080 dpi, 6 pass, bidirectional, 21 m <sup>2</sup> /h
Ink feed system	2 x 8 cartridges or optional external bulk feed system with 1 x 8 2000 ml cartridges
Inks	Acid, Reactive, Disperse 4 colours: CMYK 8 colours: CYMK, red, blue, orange, grey
Interface	USB 2.0
Noise level	< 50 db
Dimensions	Width: 3,2 m – Depth: 1,6 m – Height: 1,5 m – Weight: 1000 kg
Electric supply	Printer: Ac200V – 240V – 50/60Hz Belt system: Ac380V – 50/60Hz – 9 kW installed power – working power approx. 3 Kwh -CE
Working environment	Temperature range 20-35 °C - Humidity 35 – 65 % rh

This data in this brochure was valid at the time of publishing, and is subject to change without notice. Stork Prints reserves the right to modify its products at any time without further obligation.

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