

Rhotex 500

The first industrial 5-meter printing system for seamless production of soft signage and fabrics



"Seamlessly" adapts the new Rhotex 500 into the industrial inkjet printer series for fabrics-based advertising and information media. With an unparalleled printing width of 5 meters, the Rhotex 500 allows seamless, extra-wide soft signage and true large-format products at the POS, at trade fairs, in arenas, event venues and public spaces. Soft signage is already the advertising medium of choice, since it is easy to fold, transport, attach, wash, and even recycle.

Printing uses eco-friendly, water-based and odorless dispersion inks for uncoated and coated polyester fabrics in photo-realistic print quality, brilliant colors and high fidelities.



Technical Data

General Specifications

Dimensions:

Width: 865 cm (28 ft 5 in.)
Length: 320 cm (10 ft 6 in.)
Height: 265 cm (8 ft 8 in.)

Weight:

Approx. 7.500 kg (16.500 lb.)

Safety Standards:

Complies with current CE guideline



Printing Specifications

Printing system:

Printing system with patented roll-to-roll transport and Durst Quadro print head technology for printing of super-wide fabrics in highest productivity and quality.

Printing mode and resolution:

Variable drop size (7, 14, 21 pl), 400 x 600 dpi

Colors:

Standard: CMYK
Optional: Light Cyan, Light Magenta and Light Black
Additional process colors Orange and Violet

Inks:

Totally VOC-free and environmental friendly, water-based disperse dye inks for indoor and outdoor applications.

Ink supply:

Integrated ink tanks with 18 liter (4.7 gal) capacity per channel, refillable during the printing process. Integrated de-gassing system.

Productivity:

High Quality Mode: 100 m²/h (1.075 sqft/h)
Production Mode: 125 m²/h (1.340 sqft/h)
High Speed Mode: 310 m²/h (3.330 sqft/h)

Media Specifications:

Media types:

Wide range of coated and uncoated polyester fabrics and blends (min. 50 % polyester). Other fabric blends printable with limitations.

Maximum printing / media width:

505 cm (16.5 ft)

Maximum printing length:

Only restricted by media length

Maximum thickness:

2 mm (depending on media)

Maximum roll diameter:

400 mm (15.7 in)

Max. roll weight:

approx. 350 kg (770 lb)

Ambient conditions

Space requirement:

ca. 10 x 8 m (33 x 26 ft)

Maximum above sea level:

2.400 m (8.000 ft)

Temperature range:

20 °C to 25 °C (68 °F to 77 °F)

Relative air humidity:

45–60 % (non condensing)

The Durst logo, consisting of a stylized lowercase 'durst' in blue, with a small graphic of three colored squares (blue, orange, green) above the 'd'.

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