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Rhotex 325
Industrial Printing System for Soft Signage and Textiles

With the Rhotex 325, Durst presents a dual purpose printing system that combines direct-to-textile printing with the dye-sublimation transfer printing technology in the 3.2 meter printer class. Depending on the application and fabric, the printing system can alternate between the paper transfer and the direct printing function onto polyester-based materials in no time. This is possible thanks to the new Durst WTS Printhead technology, which achieves an exceptionally high-quality print using water-based dispersion inks for various printing materials and reaches a printing speed of up to 350 m^2/hour. No additional steps are required before or after printing to ensure an environmentally friendly and 100% VOC-free printing process, and the printing system is exceptionally efficient due to its very low ink consumption. The robustly built Rhotex 325 is equipped with an integrated hot air dryer, automated nozzle cleaning system and additional features for 24/7 production.

Applications

Soft Signage:
Wall Decorations, Flags, Banners, applications on Stretch Fabrics, Back-lit Displays and more high-quality Indoor and Outdoor Applications.

Home Textiles:
Bed Linen, Upholstery, Table Cloths

Clothing:
Sportswear, T-shirts, Accessories

Durst Water Technology

Technical Data

General specifications

Printer dimensions:
Width: 6.800 mm (22.30 ft.)
Depth: 3.500 mm (11.5 ft.)
Height: 2.300 mm (7.55 ft.)

Weight:
approx. 5.500 kg (12.200 lb.)

Safety standards:
Complies with current CE guideline

Printing specifications

Printing system:
- Transfer- and direct to textile Printing System with patented roll-to-roll transport system and Durst WTS printhead technology
- 3 Level Grayscale Technology designed for water-based disperse dye inks 7 to 21 pl.
- Motorized head media distance adjustment, via user software with storage capability for each media channel
- Direct-printing kit (optional)

Printing mode and resolution:
Binary and Variable drop size (7, 14, 21 pl)
400 x 600 dpi
800 x 600 dpi

Colors:
Standard: CMYK
Optional: Light Cyan, Light Magenta, PCA

RIP:
Caldera GrandRIP+ Server

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

Ink supply:
Integrated ink tank with 18 litre (4.7 gal.) capacity per channel, refillable during the printing process. The refill inks are in 5 litre containers. Integrated de-gassing system.

Productivity:
High quality Mode: 130 m²/ hour (1.400 sq.ft./hour)
Production Mode: 170 m²/ hour (1.800 sq.ft./hour)
High Speed Mode: 240 m²/hour (2.580 sq.ft./h) up to 350 m²/hour (3.700 sq.ft/hour)

Media specifications

Media types:
- Transfer Paper
- Wide range of coated and uncoated polyester fabrics and blends (min. 50% polyester)
  Other fabric blends printable with limitations.

Maximum printing/media width:
3.200 mm (10.5 ft.)

Max. printing length:
Limited only by roll length/diameter with respect to weight

Maximum media thickness:
- 2 mm (Textiles)
- 0,15 mm (Transfer Paper)

Maximum roll diameter:
Standard version: 400 mm (16 in.) outside diameter.

Ambient conditions

Space requirement:
Standard version: approx. 9 x 9 m (30 x 30 ft.)

Maximum above sea level:
2400 m above sea level (8.000 ft.)

Temperature range:
+20 °C to +25 °C (+68°F to 77°F)

Max. humidity:
45 - 60 %, (non condensing)

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