

With the new Rhotex 325 dye sublimation printer, Durst is expanding its successful portfolio of high performance printers for soft signage and textile.

The portfolio now includes direct- and transfer-printing systems for all market needs. Printing on sublimation paper and the subsequent transfer process using a calendar, or direct printing on fabric no longer requires an in-depth knowledge of textile pre-treatment methods and finishing processes, or larger financial investments to start your textile production today.

All Rhotex printers use OEKO-TEX Standard 100 certified, 100 % VOC – and odor-free disperse dye inks, to ensure an environmentally friendly printing process also suited for skin-contact applications. The trend towards consumer individualization, the growing number of textile solutions for POS, as well as web-to-print and print-on-demand techniques provide new market opportunities. These printing systems are suited for polyester and polyester blends, commonly used for soft signage, sportswear and certain home textiles.

With the Rhotex 325, Durst introduces in the 3.2 meter printer class a dual purpose printing system that combines direct-to textile printing with dye sublimation transfer printing technology. Depending on the application and fabric, this printing system can alternate between paper transfer and direct printing on 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 390 m²/hour.

The robustly built Rhotex 325 is equipped with an integrated hot air dryer, automated nozzle cleaning system, and additional features for 24/7 production.

FEATURES:

- Simple Exchange of Printheads

When necessary, the new generation of Durst WTS printheads can be exchanged by the operator in very short time, minimizing downtime.

- Automated Purging and Head Cleaning Station

Thanks to an automated purge system, the printhead cleaning operations are minimized, ensuring continuous operation of the printer, with an extremely reduced maintenance time.

- Air-sealed Capping Station

The hermetically sealed printhead capping station fully encloses the nozzles and thus guarantees the immediate availability of the printer even after long inactive periods.

- Efficient Vacuum Print Plane

The print plane assures, through Software controlled power setting, optimal media flatness during the printing process.

Other Features

- Anti-crash system
- Ink mist extraction system
- Heavy duty construction
- Patented media transport systems
- Only minutes for media change
- Ergonomic design for single person operation
- Jumbo roll unit

APPLICATIONS:

- Banners
- Posters
- Point of sale / point of purchase displays
- Shop decoration
- Wall decoration
- Tradeshow displays / tradeshow booth construction
- Flags
- Sun umbrellas
- Facades
- Outdoor advertising
- Backdrops (theater, television etc.)

Specifications:

Printing system: Transfer and direct to polyester based textile with patented roll to roll transport system and Durst WTS printhead technology

Printing mode and resolution: Variable and binary drop size

400 x 600 dpi (7-14-21 pl); 800 x 600 dpi (7 pl)

Productivity: Backlit mode: 130 m²/h (1,400 sq ft/h)

Production Mode: 170 m²/h (1,800 sq ft/h)

High Speed Mode: up to 390 m²/h (4,130 sq ft/h)

Colors: Standard: CMYK

Optional: Light Cyan and Magenta, Gray, PCA

Maximum printing width: 3.200 mm (126 in)

Maximum roll diameter: Standard: 400 mm (16 in)

Maximum media thickness: Textiles: 2 mm (0.08 in); Transfer paper: 0,15 mm (0.01 in)

Media types: Transfer paper, wide range of coated and uncoated polyester fabrics.

Inks: Totally VOC-free and eco-friendly water based dye sub inks for indoor and outdoor applications

Optional: Big roll system for printing roll up to 700 mm (27.5 in) diameter

Direct printing kit

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