

With the Rhotex series, Durst's successful 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.

The new Rhotex 500 printer series moves “seamlessly” into fabric 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 POS, trade fairs, arenas, theaters, event venues, and public spaces.

### **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: Printing system with patented roll-to-roll transport and Durst Quadro printhead technology for printing of super-wide fabrics in highest productivity and quality.

Printing mode and resolution: Variable drop size

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

Productivity: Backlit mode: 100 m<sup>2</sup>/h (1,075 sq ft/h)

Production mode: 125 m<sup>2</sup>/h (1,340 sq ft/h)

High-speed mode: up to 310 m<sup>2</sup>/h (3,330 sq ft/h)

Colors: Standard: CMYK

Optional: Light Cyan and Magenta, Gray, PCA

Maximum printing width: 505 cm (16.5 ft)

Maximum roll diameter: Up to 400 mm (16 in)

Maximum media thickness: 2 mm (0.08 in) depends on media

Media types: Wide range of coated and uncoated polyester fabrics.

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