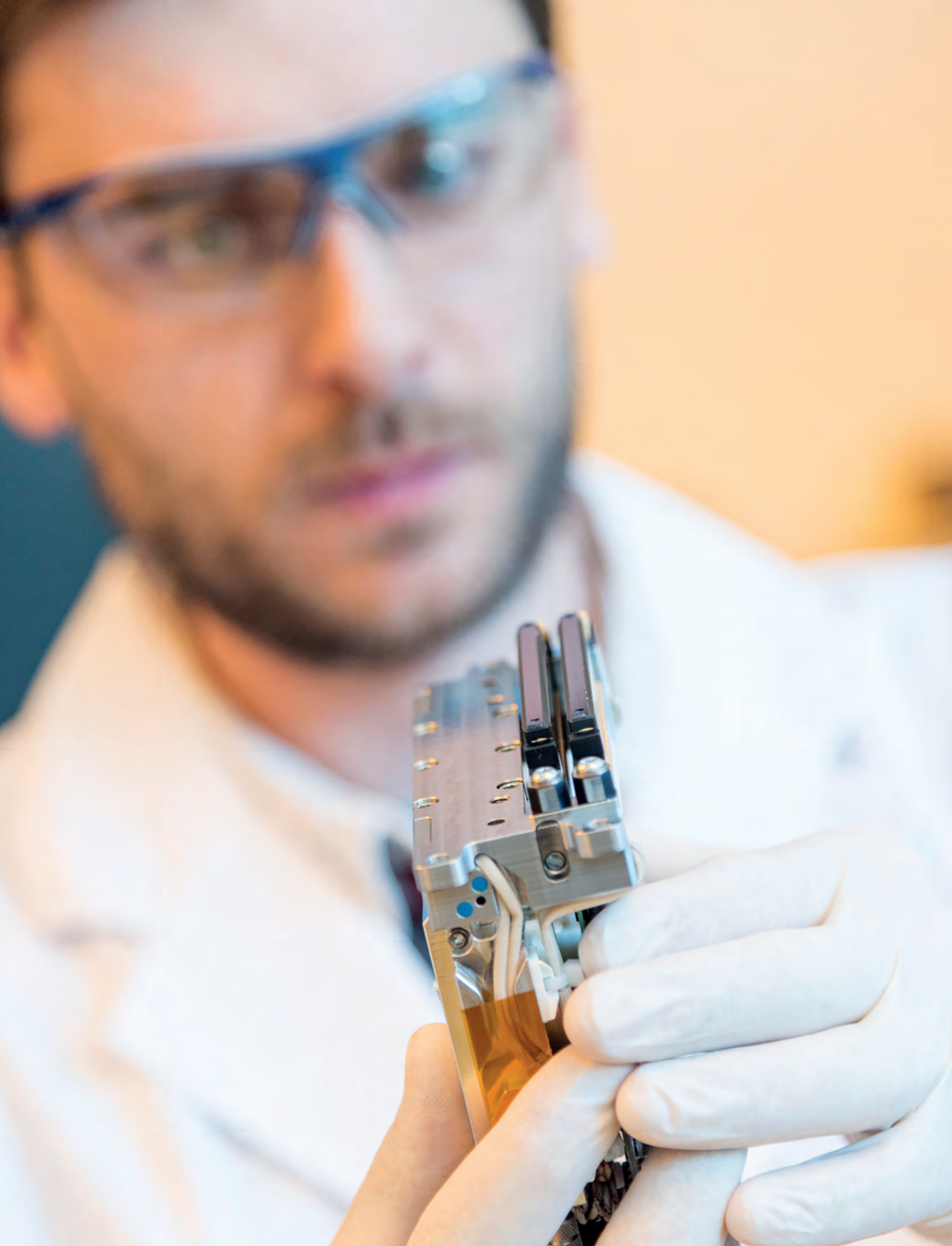


# RHOTEX SERIES



INDUSTRIAL PRINTING SYSTEMS  
FOR FABRICS & SOFT SIGNAGE

**durst**



# DURST. ADVANCED DIGITAL PRINTING AND PRODUCTION TECHNOLOGY

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Durst is the world's leading manufacturer of advanced digital production technologies.

In our target business categories, Durst is the top choice and a preferred partner for the transformation and digitization of industrial production processes.

Durst is a family-owned company with an 80 year history of values focused on innovation, customer orientation, sustainability and quality.

- > 80 years experience
- > Innovation
- > Sustainability



Durst location in Brixen, Italy



Durst location in Lienz, Austria



# RHOTEX SERIES — DYE SUBLIMATION DIRECT AND TRANSFER PRINTING

With the flagship Rhotex 325 dye sublimation printer, Durst sets a new performance and quality standard for soft signage and fabric printing. Rhotex 325 with around 40 % increased production speed allows direct- and transfer-printing 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 conform disperse dye Inks for odorless, 100% VOC free and skin friendly products for indoor and outdoor 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.

- > Productive
- > Reliable
- > Modular
- > Versatile



# DIGITAL LARGE FORMAT PRINTING

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Digital large format printing technology offers an extremely wide-range field of application, and revolutionizes production processes in many industrial categories. The broadest application of digital Large Format Printing is in the production of marketing and communication media for trade, POP/POS and Out-Of-Home. Due to its universal value, special applications for museums, interior (wall coverings, furniture, flooring), or industrial printing are also produced by Durst customers globally with this technology.

For fifteen-plus years Durst has played a major role in adapting industrial inkjet printing solutions in many segments which include large-format printing, ceramic tile printing, label- and packaging printing and textile printing.

# INDUSTRIAL SOFT SIGNAGE

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In 2010 Durst introduced the Rhotex 320, a dye sublimation printer for textile signage, which was an instant success in the market, setting new quality standards in the industrial soft signage segment.

Since then soft signage is growing exponentially in the large format printing segment.

With the rising demand for textile applications, productivity, versatility and uncompromising reliability, are the most important attributes in the current technology.

Durst has satisfied the market demand with printers manufactured to the highest quality standard. This quality is combined with the best in class productivity, securing Durst position as the market leader.

## RHOTEX 325

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## RHOTEX 500

> Page 8



# RHOTEX 325

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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 m<sup>2</sup>/hour (4,130 sq ft/h). The robustly built Rhotex 325 is equipped with an integrated hot air dryer, automated nozzle cleaning system, and additional features as the big roll unwinder for long runs 24/7 production.



SGIA Expo Product of the Year

Flexibility



24/7 Unattended

High Productivity



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**Printing system:**

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

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**Printing mode and resolution:**

Variable and binary drop size  
400 x 600 dpi  
800 x 600 dpi

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**Productivity:**

Backlit mode: 130 m<sup>2</sup>/h (1,400 sq ft/h)  
Boost Production Mode: 235 sqm/h  
(2,368 sq ft/h)  
High Speed Mode: up to 390 m<sup>2</sup>/h (4,130 sq ft/h)

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**Colors:**

Standard: CMYK  
Optional: Light Cyan and Magenta, Gray, PCA

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**Maximum printing width:**

3.200 mm (126 in)

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**Maximum roll diameter:**

Standard: 400 mm (16 in)

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**Maximum media thickness:**

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

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**Media types:**

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

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**Inks:**

Water based Dye Sub Oeko-Tex Standard 100 conform, for odorless, 100 % VOC free and skin friendly products for indoor and outdoor applications.

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**Optional:**

Big roll unwinder for printing roll up to 700 mm (27.5 in) diameter  
Direct printing kit

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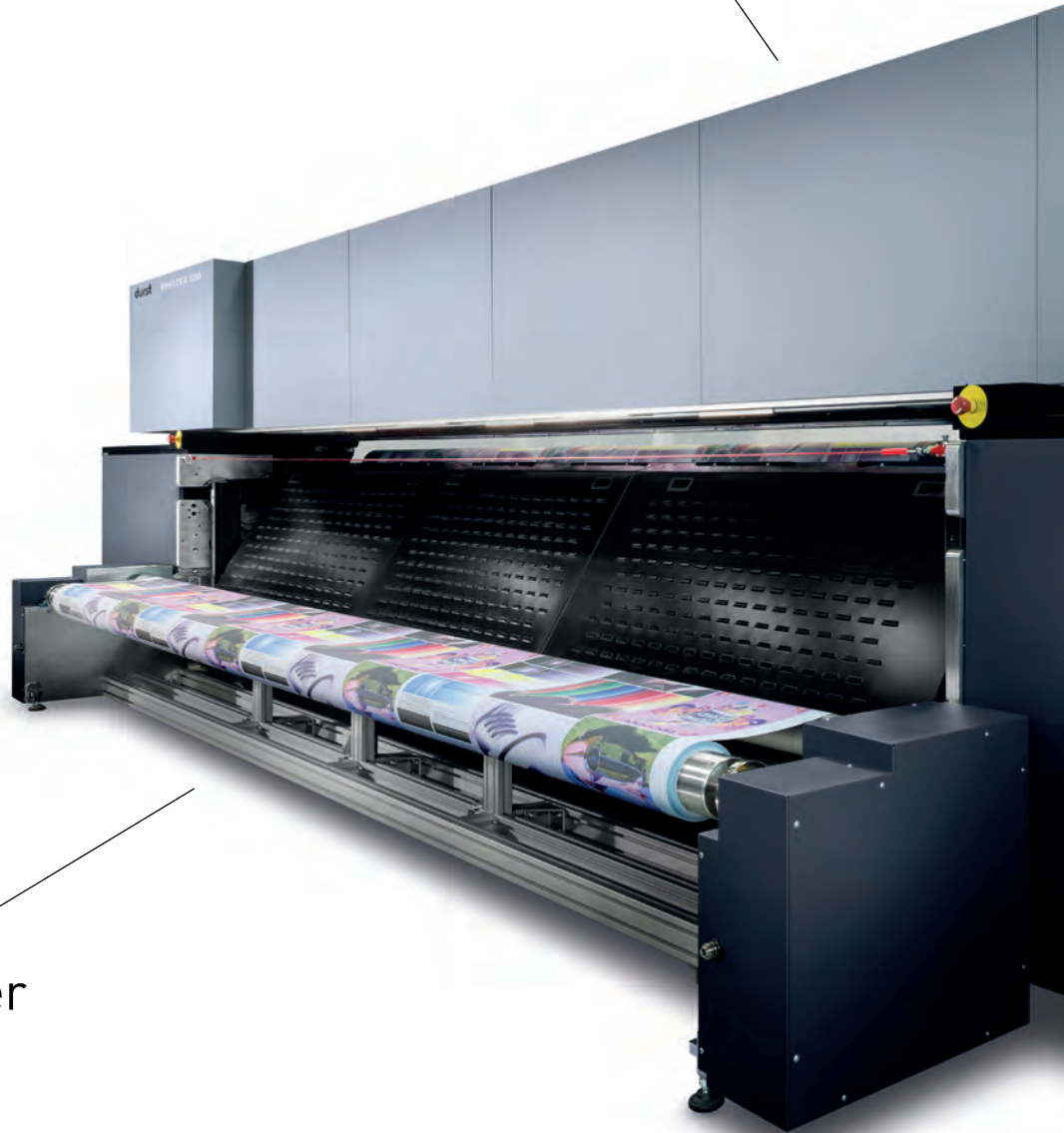
# RHOTEX 500

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The 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.

Seamless

5 Meter





# 24/7 Unattended



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**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.

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**Printing mode and resolution:**

Variable drop size 400 x 600 dpi

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**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)

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**Colors:**

Standard: CMYK

Optional: Light Cyan and Magenta, Gray, PCA

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**Maximum printing width:**

505 cm (16.5 ft)

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**Maximum roll diameter:**

Up to 400 mm (16 in)

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**Maximum media thickness:**

2 mm (0.08 in) depends on media

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**Media types:**

Wide range of coated and uncoated polyester fabrics.

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**Inks:**

Water based disperse Dye Inks Oeko-Tex

Standard 100 conform, for odorless, 100% VOC free and skin friendly products for indoor and outdoor applications.

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# INNOVATIVE TECHNOLOGIES FOR INVESTMENT SECURITY AND RELIABILITY

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## Durst New WTS Printhead Technology

The new Durst WTS printhead technology achieves an exceptionally high quality print using water based dye sub inks for different applications for direct and transfer paper printing, and reaches high printing speed for higher productions.



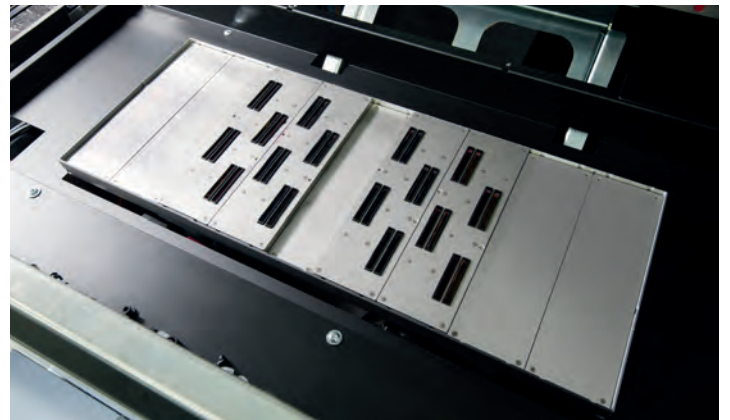
## Automated Purging and Head Cleaning Station

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



## 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.



## Air-sealed Capping Station

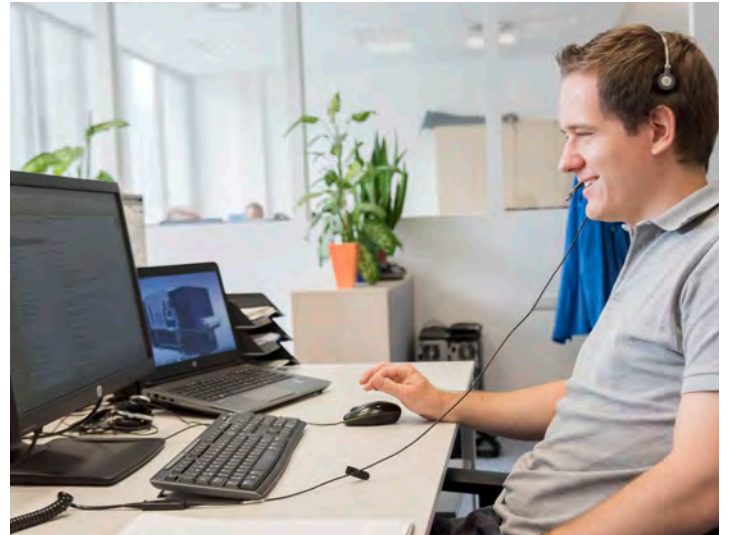
The hermetically sealed printhead capping station fully encloses the nozzles and thus guarantees the immediate availability of the printer even after long inactive periods.

# SERVICE & CUSTOMER CARE

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## **Durst Service. A network to rely on.**

We stand for the steadiness and efficiency of our systems. If you still need help, you can rely on our worldwide network of service and support. For trouble-free operation of your system, we support you with remote diagnostics and telephone service, and with direct service on site, whenever needed, within a very short time. We have focused on maximizing these tasks.



# DURST TECHNICAL ACADEMY

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## **Durst Training.**

### **Tailored Programs - Flawless Production**

In our training center we offer tailored training programs for the different needs of digital production houses. Operator-training, plus training for in-house engineers, focusing on maintenance and deeper technology insights. Workflow sessions, focusing on the workflow from the image file to the final print, where participants learn the theory and process of printer linearization, media profiling, ink-limiting, and color management settings. All training is real-world-oriented to ensure flawless production processes and maximize your performance, quality, and productivity.



# ADVANCED DIGITAL PRINTING AND PRODUCTION TECHNOLOGY



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IX770EN - 10/2018

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