



# Water Technology

## **What is Durst Water Technology?**

A long-term solution for digital printer systems, offering water-based inks as an alternative to UV- and solvent-based inks/printer systems.

## **Why water-based?**

Water-based inks/printer systems produce a litho-like print quality, are odorless, and more eco-friendly than existing solutions.

## **Will this replace the UV-curing inks/printer systems?**

No. We are continuously developing UV-print technologies and are expanding our portfolio with printer systems for water-based inks.

## **What makes the Durst Water Technology Inks unique?**

Developed by Durst, this product differs from any water-based ink in the LFP market. It is odorless, flexible, and has low migration properties. The multi-function components help accomplish a reliable, fast production process on a number of coated and uncoated materials. Durst Water Technology Ink is on par with UV-curing inks in terms of image resolution, color fastness, and color space.

## **Are Durst Water Technology Inks more expensive than UV?**

No. The price range for both Durst Water Technology Ink and UV are the same.

## **How does the Durst Water Technology differ from water-based ink systems such as latex?**

We use the more efficient Piezo Inkjet Printhead Technology. The Durst Quadro Array Printheads generate only a minimum amount of heat and feature a circulating ink system. This eliminates premature curing of the ink and clogging of the nozzles. Our ink has a more complex formula, dries quicker than latex ink, and has the ability to print on coated, uncoated, and rigid materials.

### **What printer systems are based on Durst Water Technology?**

The Rhotex Series of large-format printers, print soft signage and apply eco-friendly, aqueous dispersion and dye inks. Rhotex produces odorless applications for textiles (polyester) as an advertising and information media. Durst Water Technology printer systems are also available for traditional textile production (home textiles/clothing).

### **Which media can the Rho WT 250 HS print on?**

This printer produces offset, HQPP flexo print quality with odorless inkset for corrugated and cardboard packaging applications. The Rho WT also features newly-developed Durst Quadro Array Printhead Technology with ink circulation, preventing vaporization of the water molecules within the ink.

### **What solutions does Durst Water Technology offer for soft signage and traditional textile print?**

The Rhotex Series of printers offers Durst Water Technology for soft signage and textile printing including Rhotex 322, Rhotex 325, Rhotex 500, and Rhotex HS.

With the Rhotex 180 TR and the Rhotex 325, we are expanding the direct-print textile portfolio with dye-sublimation technology. This dual-purpose printing capability with water-based dye inks on sublimation paper and transfer, enables companies to enter into textile production.