

## COLARIS Digital Printing System for VAT and Pigment Inks

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### AATCC/SGIA Digital Printing Conference 2017

## ZIMMER AUSTRIA presented the COLARIS Digital Printing System for VAT and Pigment Inks at the AATCC/SGIA Digital Textile Printing Conference in Durham, NC on Nov. 28, 2017

Speakers Thomas Kloebl and Roland Zimmer of **ZIMMER AUSTRIA** gave a well-rounded overview on the machine, print head and ink requirements for VAT and pigment digital textile printing.



### THE PRINCIPLE OF VAT PRINTING

VAT dye is printed in form of a pigment. During the padding and steaming process, the pigments are transferred into a liquid form and enter the cellulose fiber. During the oxidizing step, the VAT dye is transferred back into its insoluble form.

Applications: Uniforms and Workwear, Camouflage, Home Textiles, Technical Textiles

### THE PRINCIPLE OF PIGMENT PRINTING

The Dimatix StarFire™ SG1024 printhead is the perfect choice for pigment. With the **COLARIS.PRINTING SYSTEM**, an outstanding pigment print can be achieved, as well as pre- and after treatment. The system is starting with 6 colors and 2 print heads, and goes up to 8 colors and 4 print heads. It comes in 2.2 meter or 3.4 meter widths.



### COLARIS.HIGH PERFORMANCE PRINTER for special applications

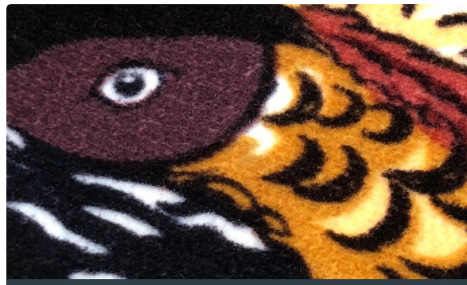
- Up to 96 FUJIFILM Dimatix StarFire™ SG1024-SA/MA/LA printheads provide highest performance and reliability
- The starting version has 4 colors and 2 heads per color, and may be scaled up to 12 colors and 96 heads
- Suitable inks: open ink system (VAT, pigment, reactive, acid, disperse; cationic in development)
- Easy maintenance and repairable printhead

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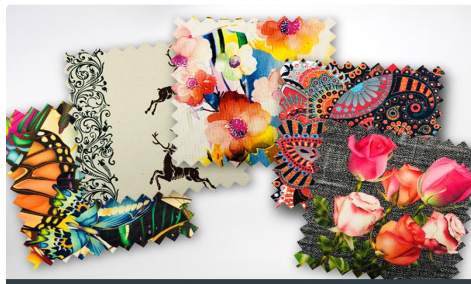
COLARIS.VAT Printing



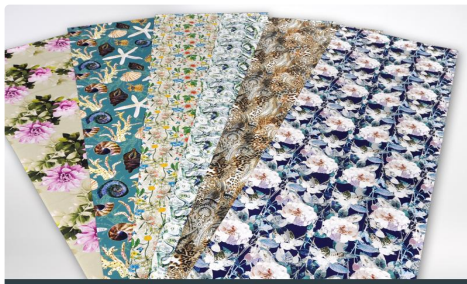
COLARIS.VAT Printing



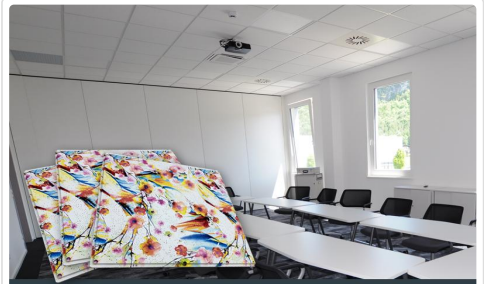
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COLARIS.PIGMENT Printing



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