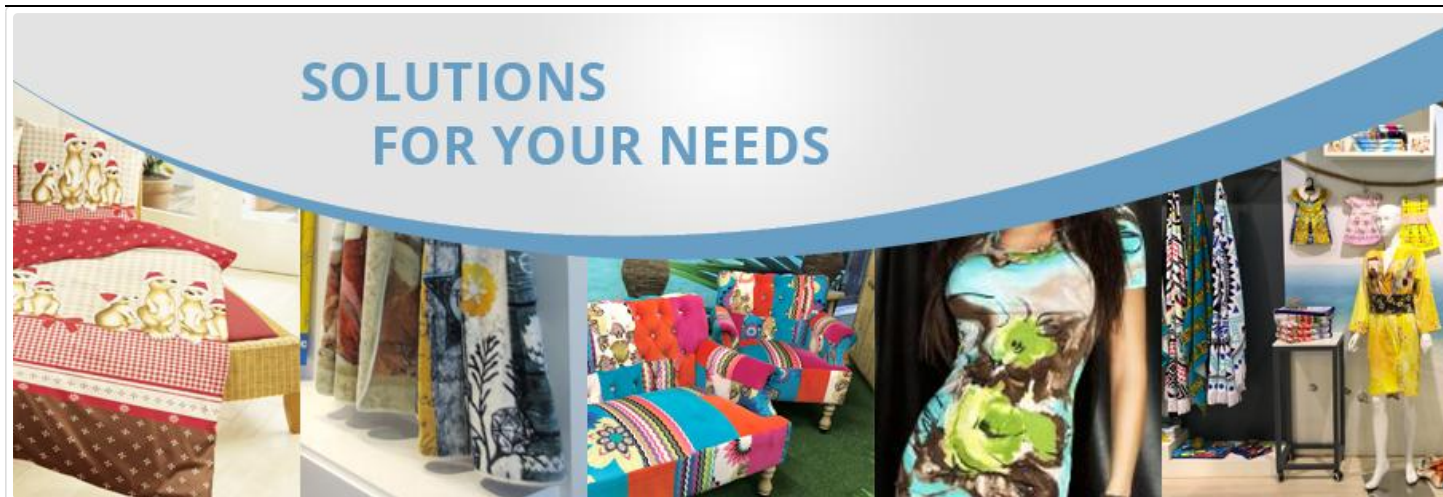


Textile Printing

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TEXTILE.PRINTING is applied on a large variety of different textile substrates, and for an even wider range of user purposes.

The applied printing technology needs to be adapted to the needs of each and every special product. For this reason we have split the applications into a variety of products and according to their final purposes.

Basics



- **"Home Textiles"** is a collective term for all kinds of fabrics used for home furnishing and home decoration. The product range includes cover sheets, upholstery, decorative fabrics, shower curtains, window fashion, terry towel fabrics and many more.
- Such a wide field of applications needs a variety of machines with most flexible set-up options.
- Home textiles are fabricated not only from native fibers such as Cotton, Linen and Viscose, but also from artificial fibers such as Polyamide and Polyester.
- Contract fabrics count among the home textiles range, but they have special needs in regards of fastness, durability and safety standards.
- Our range of machines for printing and finishing all these kinds of fabrics offers individual layout and flexibility, including various line components and ink combinations for highly-economic production.
- **ZIMMER AUSTRIA** can offer customized solutions for the most economical printing and finishing of any kind of Home Textile substrate.

Printing Methods

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COLARIS TEXTILE PRINTER

- The most versatile and most economic inkjet printing platform available in the market today
- Based on a robust mechanical structure
- The print line layout is technology-oriented and can be tailored to the individual needs of every customer or product

- Modular design enables the integration of additional line components: Starting with a stand-alone printer, the integration of existing equipment at the customer's site or adding third-party line components for an economic layout is daily routine for **ZIMMER AUSTRIA**.

- Technology-oriented selection of line components, in combination with the **COLARIS TEXTILE** platform, is the basis for printing and finishing plants to cover fashion fabrics, bed sheets, decorative and upholstery substrates, terry towels, fleece and blanket fabrics, window fashion and outdoor fabrics incl. camping and awnings. The same **COLARIS** .

TEXTILE platform is used to integrate any equipment needed to achieve even a carpet printing and finishing line.

- The availability of four different print head configurations is the basis to cover such a range of applications. The printer may be equipped with any of the four versions of FUJIFILM Dimatix StarFire™ print heads. They provide a droplet size range from 12 through 180 pl, accurately tuned to the needs of any customer.
- Engineering and system integration is offered by **ZIMMER AUSTRIA** specialists exclusively.

- **COLARIS** .

TEXTILE PRINTER layout:

- Available working widths: 2,200, 2,600 or 3,400 mm.
- Colors: 4 up to 12 different colors are available.
- Layout with up to 96 print heads; various combinations such as CMYK only, double CMYK, CMYK plus additional process colors, or CMYK with diluents etc. can be selected.
- For special needs, **ZIMMER AUSTRIA** also offers a 12-color setup, with up to 96 print heads. Available layouts are double-6 colors setup, or even a combination of 8 reactive ink colors plus 4 disperse ink colors, or any other combination like 6 pigment colors plus 6 VAT color inks for high light fastness printing onto cellulose fabrics.

Selection chart of available and recommended printing technologies for various home textile products

Nature of fibre	REACTIVE	DISPERSE SUBLIMATION	ACID	VAT
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Cotton	X			X
Linen / Flax	X			X
Protein Silk / Wool	X		X	
Polyamide	(X)		X	
Polyester		X		
Blends of 100 % cellulose fibers	X			X
Suitability of DIGITAL PRINTERS				
COLARIS TEXTILE	X	X	X	X

Printer type selection chart for various home textile products			
APPLICATION	COLARIS TEXTILE	COLARIS INLINE	
Bed sheets	up to 3,400 mm width; high-capacity solution	up to 3,400 mm width; inline pretreatment recommended for products like flannel	details
Upholstery	up to 3,400 mm width; all qualities incl. heavy substrates	up to 3,400 mm width; inline pre-treatment recommended when printing voluminous substrates, i.e. velours & flock	details
Bath curtains	up to 3,400 mm width		
Window fashion	mandatory for 3,400 mm width; high-capacity solution	mandatory for 3,400 mm width; inline pre-treatment recommended for voluminous substrates like flock or velour	details
Decorative substrates	up to 3,400 mm width; high-capacity solution for any kind of fabrics		
Terry products	Medium and high-capacity production	inline pre-treatment required; inline fixation available	details
Fleece & Blankets	high-capacity fleece and blanket production	inline pre-treatment required; inline fixation recommended	details
Outdoor	medium to high-capacity production	Available on request	

Get more information from our PDF leaflets: