

## Digital Blanket Printing

... enhance your comfort

with Digital Jet Printing Systems for:

- Promotion and advertising blankets
- Club and team blankets
- Message and designer blankets
- Mink and baby blankets
- Beach and cartoon blankets

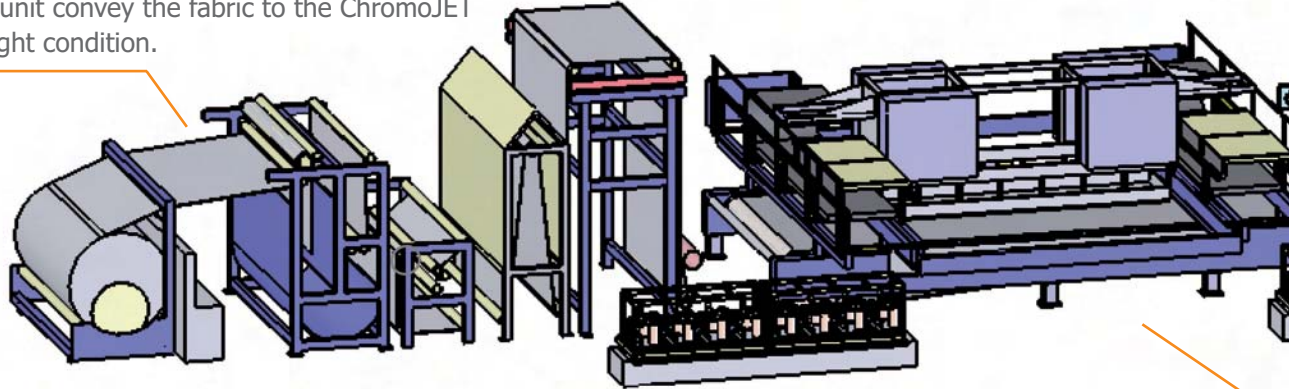
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## Digital Blanket Printing

### Entry Unit

Several cleaning devices, a pre steamer and a guiding unit convey the fabric to the ChromoJET in the right condition.



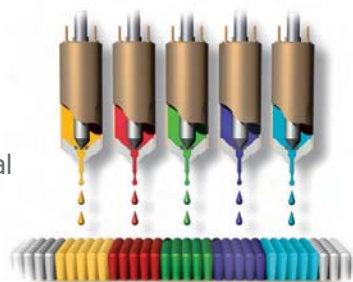
### Upgrade your screen printing line:

A ChromoJET print-head can also be integrated in existing screen printing lines.

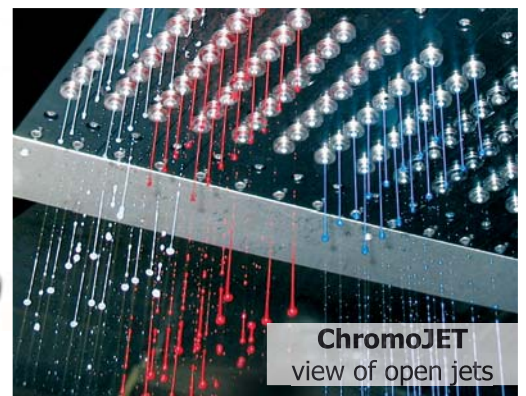


### Basics

The computer controlled jets open and close up to 1000 times per second. The colour pressure injects dye with surgical precision into the pile of the fabric. This process is realized without touching the pile.



**ChromoJET**  
functional principle

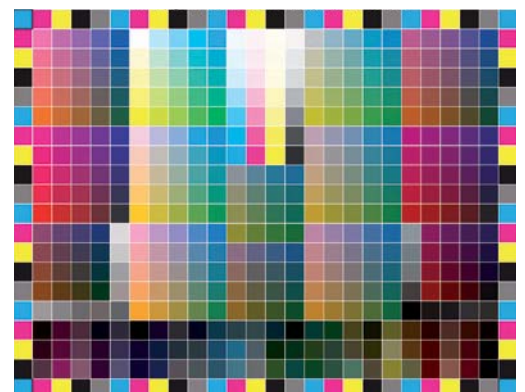


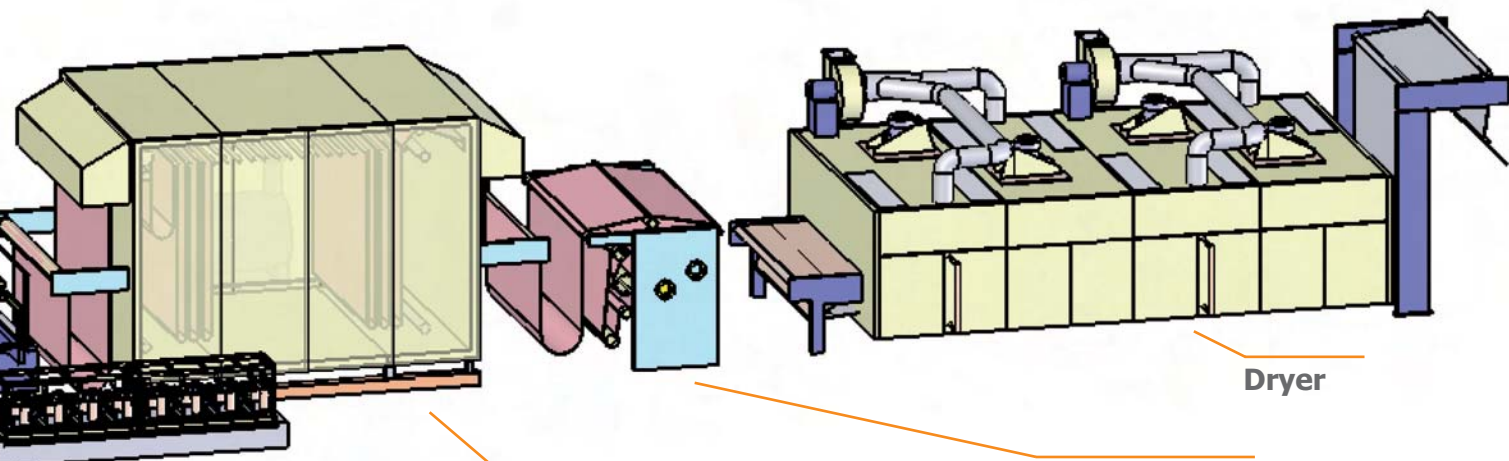
**ChromoJET**  
view of open jets

## 2 Digital Printing with Process Colours

Any design, photo and pattern will be printed with the same 12 colours. Thereby the final colours are mixed directly onto the substrate. The software for design preparation, called RIP (Raster Image Processor) can be supplied by Zimmer as well.

- Easy sampling
- High up-times
- Even orders for one piece can be realized
- Unlimited design variety
- Unlimited colours per design





### ChromoJET

Digital printer for pile fabrics. The colours are pumped out of tanks to supply the jets. According to the design information the pattern is printed onto the fabric.

### Steamer

This device fixes the dyestuff on the fibre with saturated steam. According to production speed and fibre requirements the capacity of the steamer is variable. Depending on capacity horizontal steamers and loop type steamers are available.

### Washing Unit

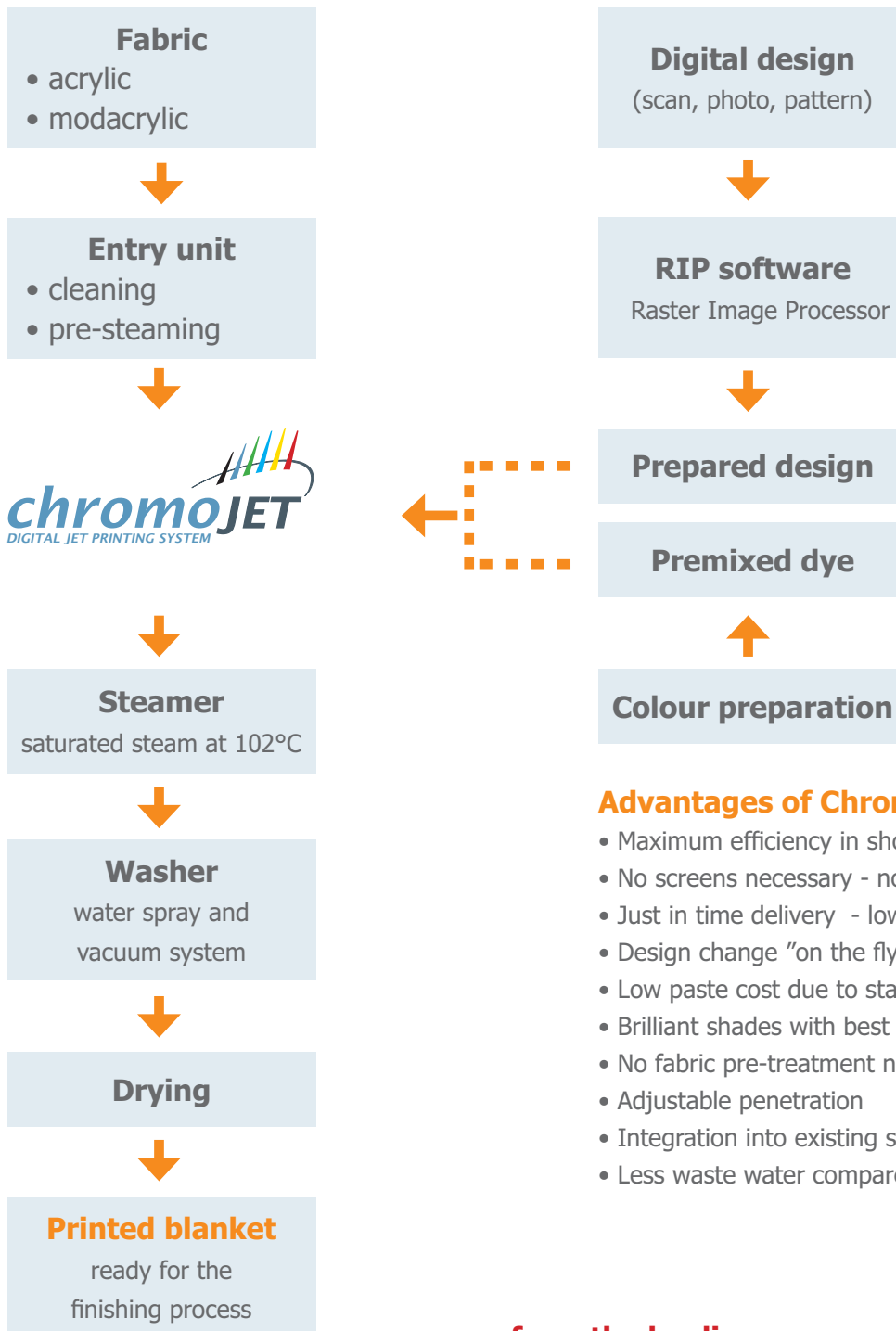
Water is sprayed onto the fabric in order to dissolve the residue from the pile. Then a high power suction slot removes the residue and reduces the water to a remaining moisture level of about 40-60%. Optional softener applicator is available.

Dryer

## ChromoJET - Blanket Printing Lines

	M-2500 / C x 256	M-2500 / C x 512
Print width	up to 320 cm	up to 320 cm
Number of colours	12	12
HSV800 jets per colour	256	512
Resolution	50 dpi	50 dpi
Print speed at 2.7 m width	1.1 - 1.4 m/min	2.2 - 2.7 m/min
Max. annual capacity 2 shift operation	~ 1.250.000 m <sup>2</sup> /year	~ 2.370.000 m <sup>2</sup> /year
Steamer	loop type	loop type
Washer	Water spray and vaccum unit	Water spray and vaccum unit
Dryer	Conveyor belt dryer 12 m	Conveyor belt dryer 20 m
Exit Unit	Plaiter or winder	Plaiter or winder
Application	<b>Acrylic blankets, fake fur, rugs, mats, wall to wall carpet</b>	

# ChromoJET - Digital Blanket Printing



## Advantages of ChromoJET

- Maximum efficiency in short runs
- No screens necessary - no limitation in repeats
- Just in time delivery - lower cost for stock goods
- Design change "on the fly"
- Low paste cost due to standard commercially available dyestuff
- Brilliant shades with best fastness
- No fabric pre-treatment needed
- Adjustable penetration
- Integration into existing screen printing lines is also possible
- Less waste water compared to screen printers

**...from the leading company for digital  
carpet & textile printing systems**

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