Basics

- In the past, Mink blankets (also called Raschel blankets) were mainly made from acrylic fibers. For the last couple of years, more and more polyester is being used - mainly for price reasons.
- Nowadays most blankets are still being printed using flat-screen printing machines, but **CHROMOJET** printing is catching up very fast.

Printing Methods

Most blankets are being printed applying the flat-screen method or the **CHROMOJET** process color technology using 10 or 12 basic colors.

MagnoPRINT flat-screen printing

- Printing speed is about 10 m/min
- Limited repeat
- Limited number of colors
- Contact printing
- An individual screen is required for every color / design
- Large printing machine with high space demand

CHROMOJET.PRINTER

|Process color jet printing

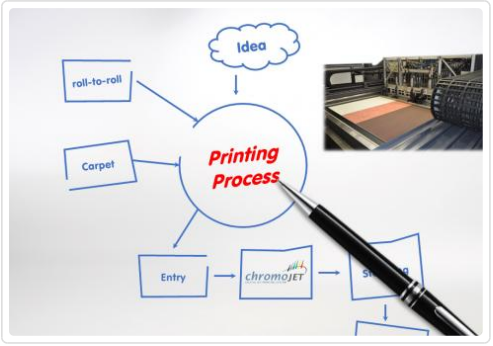
CHROMOJETtechnology represents the next level of digital blanket printing; this technology started revolutionizing the blanket printing industry.

Advantages:

- Unlimited repeat
- No screens
- Full penetration
- Easy sampling
- Little space needed
- No color change - little waste water

Printing Process

To achieve good printing results, the Raschel or woven base material must be free of oil and impregnations.



Printing Process for Acrylic blankets

- Printing with**CHROMOJET,** using cationic dyes
- Penetration enhancement by SUPRA**PRESS** system
- Steaming for about 5 - 8 minutes with saturated steam of 100°C / 212°F
- Washing
- Drying

Printing Process for Polyester blankets

- Printing with**CHROMOJET,** using disperse dyes
- Penetration enhancement by SUPRA**PRESS** system
- Drying

Offline processing

- High-temperature fixation for about 2 minutes at 180°C / 356°F using hot air or overheated steam
- Reductive washing (cold rinsing; washing at a pH value of about 12; rinsing and vacuum extraction)
- Softener application followed by pad mangle or vacuum extraction
- Drying

Alternative processing

- **ZIMMER's** high-temperature flow through dryer executes drying and dye fixation after printing in one step
- In this case, no additional steaming process is needed.

Printing Machine

CHROMOJET.PRINTER

Specification	CHROMOJET800
Technology	valve jet technology
Resolutions	76 x 38 dpi or 76 x 50 dpi
Printing widths	2,600 mm or 3,200 mm
Printing speed	up to 6.5 m/min
Dye systems	Disperse for Polyester / Cationic for Acrylic
Number of basic colors	10 or 12 process colors
Jets per color	1024