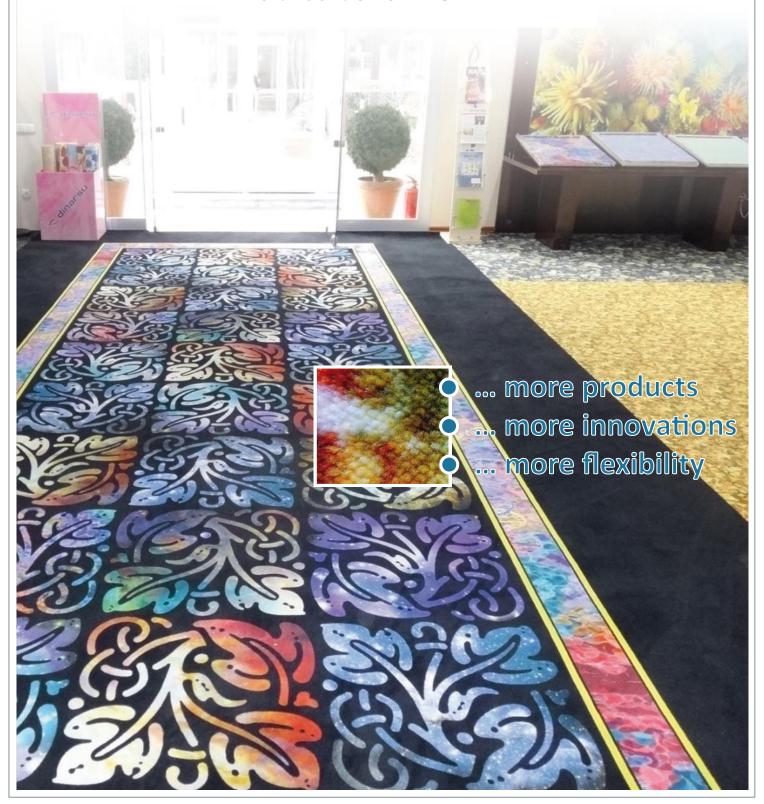




CHROMOJET.DIGITAL PRINTING PROCESS COLOR **76** DPI



CHROMOJET⁸⁰⁰.BASICS

In process color printing a set of 8 to 16 basic color shades is used to generate all color shades on the carpet using small dots (just as in an office printer). The more base colors are used - the wider and smoother the color range gets. This method has a lot of advantages against spot color printing, where each color must be pre-mixed in advance.

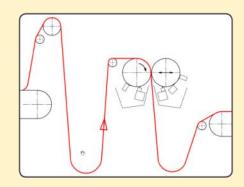
- Easy sampling
- Even orders for one piece can be realized
- Unlimited design variety
- Unlimited colors per design
- No change of color always run with same dyes (environmentally friendly)
- 800-type Jets can be repaired by customer



SUPRAPRESS. PENETRATION SYSTEM

This penetration station is placed behind the printer and enhances penetration dramatically at minimum paste pick-up. The carpet is squeezed in between 2 driven rollers which press the dye or ink from the top of the pile deep into the pile.

- Amount of pick-up can be reduced by about 80% in comparison to "normal"
 CHROMOJET printing saves thickener, chemicals and energy
- Full penetration also on high pile products
- No frosting undyed fibers are dipped into the dye
- No smearing or ghost printing rollers are washed and dried continuously
- Available for CHROMOJET as well as for COLARIS
- In case of Polyester printing a minimized pick-up is mandatory





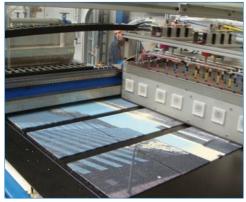




CHROMOJET - DIGITAL PRINTING PROCESS COLOR 76DPI (ENG)







PROCESS COLOR. CARPET PRINTING

CREATIVITY WITHOUT LIMITS

Selector CHROMOJET ⁸⁰⁰ printer with 50/76 dpi resolution									
Production (in sqm) per year at 2 shift operation (16 h)	Mats	Carpet tiles	2 m print lines tiles and roll-to-roll	4 m print lines for roll-to-roll	5 m print lines for roll-to-roll				
25,000 - 50,000 m²	CHR ⁸⁰⁰ 2000 12/16 c x 32 jets								
100,000 - 250,000 m²	CHR ⁸⁰⁰ 2000 12/16 c x 128 jets	CHR ⁸⁰⁰ 2000 12/16 c x 128 jets	CHR ⁸⁰⁰ 2000 12/16 c x 128 jets						
250,000 - 500,000 m²	CHR ⁸⁰⁰ 2000 12/16 c x 256 jets	CHR ⁸⁰⁰ 2000 12/16 c x 256 jets	CHR ⁸⁰⁰ 2000 12/16 c x 256 jets						
1 - 2 mio. m²			CHR ⁸⁰⁰ 2000 12/16c x 512 jets	CHR ⁸⁰⁰ 4000 12/16c x 512 jets	CHR ⁸⁰⁰ 5000 12/16c x 512 jets				
2 - 5 mio m²				CHR ⁸⁰⁰ 4000 12c x 1024 jets	CHR ⁸⁰⁰ 5000 12c x 1024 jets				



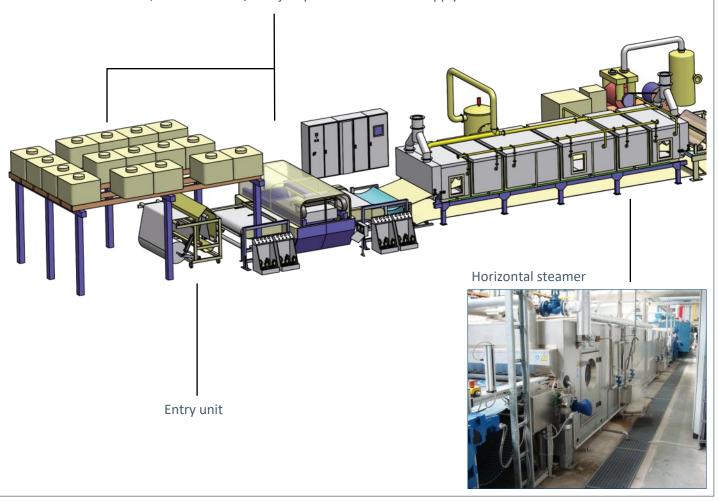
ADVANTAGES OF CHROMOJET⁸⁰⁰

- 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
- For polyamide, wool, acrylic and polyester
- Pile weight from 200 up to 1,500 g/m²
- Brilliant shades with best fastness
- No fabric pre-treatment needed
- Full penetration
- Less waste water

CHROMOJET - DIGITAL PRINTING PROCESS COLOR 76DPI (ENG)



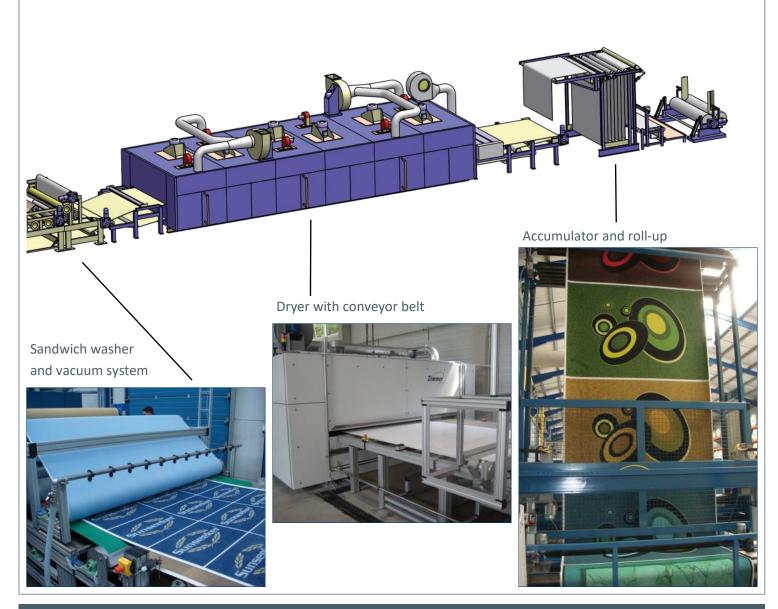
CHROMOJET⁸⁰⁰ 2000, with 12 colors / 256 jets per color and color supply tanks



PRINTER

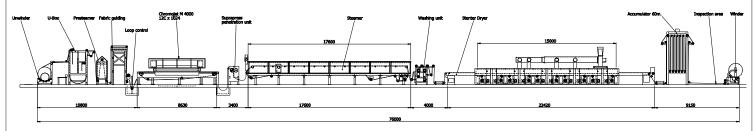
FOR MATS, CARPETS TILES, RUGS AND WALL-TO-WALL CARPETS

Specification	CHR ⁸⁰⁰ 2000	CHR ⁸⁰⁰ 2000	CHR ⁸⁰⁰ 2000	CHR ⁸⁰⁰ 4000	CHR ⁸⁰⁰ 4000
Print width	2,200 mm	2,200 mm	2,200 mm	4,200 mm	4,200 mm
Number of colors	16 c	12/16 c	12/16 c	12/16 c	12 c
Jets per color	64	128	256	512	1,024
Linear print speed at 76 * 38 dpi (only in combination with SupraPRESS)	N/A	0.9 - 1.2 m/min	1.7 - 2.2 m/min	1.8 - 2.5 m/min	3.6 - 4.8 m/min
Linear print speed at 76 * 50 dpi	0.3 - 0.5 m/min	0.6 - 0.9 m/min	1.2 - 1.7 m/min	1.5 - 2.1 m/min	3.3 - 4.0 m/min
Linear print speed at 76 * 76 dpi	0.2 - 0.3 m/min	0.4 - 0.6 m/min	0.8 - 1.2 m/min	1.0 - 1.4 m/min	2.0 - 2.8 m/min
Tiles per hour (50 x 50 cm) at 50 dpi	N/A	~ 40 - 50 m²/h	~ 70 - 80 m²/h	N/A	N/A



POLYAMIDE AND **POLYESTER.** PRINTING

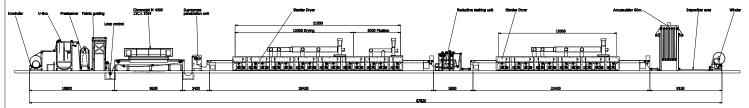
CHROMOJET. PRINTING ON CARPETS OUT OF POLYAMIDE, WOOL, CATIONIC



- Carpet preparation with unrolling, pre-steaming or pre-washing, guiding
- CHROMOJET printing
- SUPRAPRESS penetration
- Steaming for about 3 8 minutes
- Washing and vacuum extraction
- Drying (double impingement dryer or flow through dryer)
- Accumulator, roll up



CHROMOJET. PRINTING ON POLYESTER CARPETS TUFTED ON NONWOVEN POLYESTER PRIMARY BACKING



- Carpet preparation with unrolling, pre-steaming or pre-washing, guiding
- CHROMOJET.PRINTING with minimum pick-up
- SUPRAPRESS penetration
- Stenter drying at 130°C followed by heat fixation for about 2 minutes at 180°C
- Reductive washing and vacuum extraction
- Drying (double impingement dryer or flow through dryer)
- Accumulator, roll up



PROCESS.COLOR PRINT LINES - 2,200 MM WIDE

















PROCESS.COLOR PRINT LINES - 4,200 MM WIDE



















TUFTED AND WOVEN.RUG PRINTING











PRINTING OF CARPET.TILES





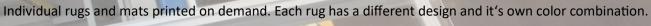






RUGS AND **MAT.**PRINTING











BESIDE THESE TYPICAL APPLICATIONS THERE ARE A LOT OF OTHER POSSIBILITIES

- Game and play carpets for floor and tables
- Seat covers
- Car carpets and mats
- Club rugs and mats
- Exhibition and event carpets



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