

ChromoJet - The Jet Family

- **Digital carpet- and textile printing and coating system**
- **direct operated high speed magnetic valves (HSV)**
- **pre-mixed spot colours are injected into the pile product to achieve any penetration**
- **for carpets, mats; carpet tiles; natural- and artificial fur; terry products, velvet, upholstery, felts, non-wovens out of polyamide, wool, acrylic, polyester, cotton**

ChromoJet200

(introduced 1994)

360.000 pixels per m2
1,66 mm (16 dpi) dot size

Pre-mixed spot colours.
Limited dithering is possible.

For all high pile products with pile weight between 300 g/sqm and 1500 g/sqm

- tufted and woven carpets, mats, carpet tiles, rugs
- bath mats
- high pile artificial fur products



This is the traditional jet which is used in all ChromoJet machines till today. Each individual jet can be removed and replaced easily. Depending on the application different types of nozzle plates with 2 or 3 openings between 0,3 and 0,6 mm can be used.

Viscosity of dye can go up to 600 cps (Haake VT-02)

ChromoJet400


(introduced 2005)

1 mio pixels per m2;
1 mm (25 dpi) dot size

Pre-mixed spot colours and semi-process colours are used. Dithering is used to generate different shades and effects.

For all pile products with pile weight between 150 g/sqm and 800 g/sqm

- tufted carpets, mats, tiles, rugs
- mink blankets
- natural and artificial furs and skins



This is the new generation of jets with higher speed and more precision than the HSV-200 jet. 8 jets are arranged in one module which also includes the driver. Each jet can be removed and replaced easily. Depending on the application different types of nozzle plates with openings between 0,2 and 0,6 mm can be used.

Viscosity of dye can go up to 400 cps (Haake)

ChromoJet1200

(introduced 2005)

8 mio pixels per m2
0,35 mm (72 dpi) dot size

Pre-mixed spot colours and semi-process colours are used. Dithering is possible to generate different shades.

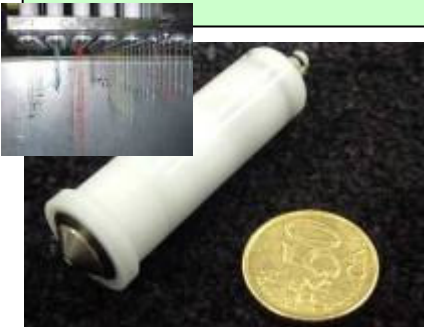
For all short pile products with pile weight between 100 g/sqm and 500 g/m2

- terry fabrics (towels, bathrobes)
- upholstery products
- automotive products
- felt products



This is a new development for light pile fabrics. 16 jets are arranged in one module whereby each module is easy to replace. This valve is trimmed for speed and small dots.

Viscosity of dye can go up to 100 cps (Haake VT-02)



ChromoJet - The Jet Family

Typical Applications

ChromoJet200



Bathmats



Entrance- and kitchen mats

ChromoJet400



Logo- and promotion mats



Acrylic blankets

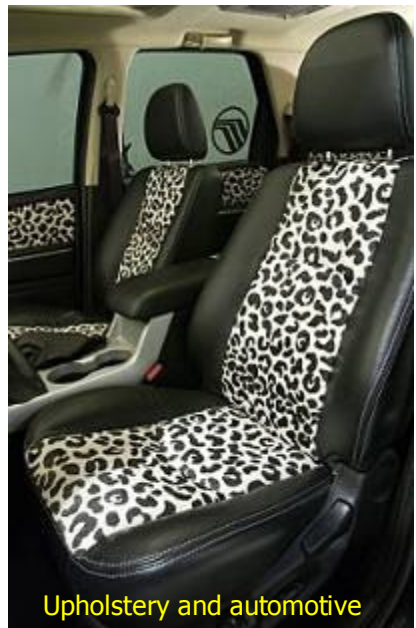


Artificial- and natural fur and skin products

ChromoJet1200



Terry towels with logos and special designs



Upholstery and automotive

J. Zimmer Maschinenbau GmbH
 Eibergstrasse 2-8
 A-6330 Kufstein / A U S T R I A
 T: +43 (5372) 6 48 93
 F: +43 (5372) 6 14 76
chromojet@zimmer-austria.com
www.zimmer-austria.com