Zimmer
AUSTRIA

COLARIS.12-2200

SMALL PRODUCTION INKJET PRINTER FOR TEXTILES, CARPETS, MATS AND PIECE GOODS

STANDARD FEATURES

- Ink tanks with 5 l content
- 3-stage ink filtration system
- Ink and print-head heating and cooling for constant temperature
- Ink circulation system for trouble-free print performance
- Automatic print head cleaning with water and vacuum extraction
- Height adjustment up to 50 mm (for sheets, tiles, pieces)
- Precise servo drives for print head and conveyor
- Control system with USB interface
- Printing software
- Print heads with 12, 30 or 80 pl base droplets —for best match of application
- Permanent gluing device to create a "sticky belt" (i.e. to print textiles or nonwoven products)

OPTIONS

- Integrated unrolling for small batch operation
- Positioning device to print carpet tiles, mats and sheet material in perfect registration
- Washing device for transport blanket to clean-up any overprints
- Second vacuum system to operate the printer with completely different ink types (penetration booster) at the same time
- 2 print heads per color for double speed
- Different dryers or steamers for dye fixation

APPLICATIONS

- Carpet tile or carpet mat printing
- Printing on ready made terry towels
- Small production printing of roll-to-roll goods
- Printing on sheet material

INK FAMILIES

- **Acid** for polyamide, silk and wool
- **Disperse** for polyester, EDP, CDP and Sorona
- **Pigment** for any substrate
- **VAT** for cellulose and cotton

POST PROCESS

Depending on ink family, fiber type and application - **ZIMMER AUSTRIA** offers a wide range of fixation and post-processing systems and equipment like steamer, washer, hot air dryer, infrared fixation …

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www.zimmer-austria.com
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COLARIS.12 - 2200 - Small Production Printer

Electric requirements	3 PH, 400/230 V, 50 or 60 cycles
Electrical load	Connected load is about 20 kVA Average power consumption is about 5 kW
Air supply	6-8 bar; oil-free and dust-free
Water supply	2-3 bar soft water (for blanket washer)
Size / weight	220 x 520 cm (7 * 17ft) / 3 tons
Max. print width	2200 mm
No. of colors/jetting fluids	6 or 12
Print heads per color	1 (up to 12 colors) or 2 (up to 6 colors)
Print speed with 1 head per color	150 m²/hour at 400*400 dpi (draft mode) 80 m²/hour at 400*800 dpi 40 m²/hour at 800*800 dpi
Print speed with 2 heads per color (max. 6 colors)	280 m²/hour at 400*400 dpi (draft mode) 150 m²/hour at 400*800 dpi 75 m²/hour at 800*800 dpi
Print head model	StarFire™ with 7, 12, 30 or 80 picolitre native drop size
Print resolution "X"	From 200 to 1,600 dpi *(in steps of 100 dpi)*
Print resolution "Y"	Native head res. 400 dpi *(max. 1,600 dpi at 4 passes)*
Tile, mat or sheet goods:	*Piece good is about 30% slower in comparison to roll-to-roll production. Pieces up to 2x1 m in size can be printed.*

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