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
- Windows based printing software
- Print heads with 7, 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
- Conveyor belt with pins for carpet products
- 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
- Reactive for cellulose, cotton, linnen
- **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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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 capacity with 1 head per color	170 m²/hour at 400*400 dpi (draft mode) 85 m²/hour at 400*800 dpi 50 m²/hour at 800*800 dpi
Print capacity with 2 heads per color (max. 6 colors)	155 m²/hour at 400*800 dpi 90 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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DIGITAL PRINTING SYSTEMS

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