



COLARIS.SAMPLEPRINTER

DIGITAL PRINTING APPLICATIONS ON VARIOUS SUBSTRATES



This printer is designed for development purposes in combination with the **COLARIS.INKJET** Technology. Respective to the substrates to be printed dedicated layout will be made.

- The **COLARIS.SAMPLEPRINTER** is the ideal tool for the development of applications with customized inks and other jetting fluids. It also offers the complete range of sampling demands, thus taking all the sampling load off the existing production machines.
- The printing results can be transferred 1 : 1 to the **COLARIS** production printer.
- Due to the use of laboratory glass bottles, the currently available ink is clearly visible, and these tanks can be refilled easily using the attached funnel.
- The printer includes a computer with soft PLC for easy setting of all relevant printing parameters, for total printer control and for design creation and printing.
- The **COLARIS.SAMPLEPRINTER** comes with LAN connection for the computer, enabling the upload of designs from the company's internal network.
- The machine offers online support and maintenance from the manufacturer if required.

SCOPE.OF SUPPLY

- **COLARIS.SAMPLEPRINTER**
- Control system with USB interface
- Printing software
- Data transfer cable
- Ink supply system as per requirement
- Permanent ink circulation system
- Printhead according to the desired use
- Ink reservoir tanks of 2 lt. for every single color/jetting fluid

APPLICATIONS

- Development and testing of inks and other jetting fluids for use with **COLARIS**.INKJET printing machines.
- Sample printing to reduce the sample printing load on the production line.
- Print and development of digitally printed substrates.

VARIABLES.EFFECTING THE PICK-UP

In accordance with the needs of the print substrates, respective application receipts can be developed and tested in combination with other laboratory equipment.

With the use of combinations of inks, penetration boosters or other functionalization, chemicals recipes for almost any substrate can be developed.



COLARIS.SAMPLEPRINTER

Electric requirements	3 PH, 400/230 V, 50 HZ, +/- 5%
Type of power supply	TN-S System
Surge protection device	SPD Type 2 <i>(to be provided by the customer)</i>
Max. printable sample size	1,200 x 1,200 mm
No. of colors/jetting fluids	min. 1 color/jetting fluid <i>(up to max. 12)</i>
No. of printheads per color/jetting fluid	1
Printhead make/type	FUJIFILM Dimatix Starfire <i>(Types: SG1024/SA, MA, LA)</i>
Head speed	Up to 1.4 m/sec.
Print resolution "X"	from 100 to 1,200 dpi <i>(in steps of 100 dpi)</i>
Print resolution "Y"	native head res. 400 dpi <i>(max. 1,600 dpi at 4 passes)</i>
Fixation of print substrate	Permanent glue or spray glue

INNOVATION

QUALITY

SERVICE

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DIGITAL PRINTING SYSTEMS

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J. ZIMMER Maschinenbau GmbH, Kufstein reserves the right of technical and design modification of the equipment described