MACHINERY MANUFACTURER

Zimmer AUSTRIA

PIONEERING INNOVATIONS
150 YEARS

CHROMOJET tabletop printer

DIGITAL PRINTING SYSTEMS

08/2024

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chromoJET tabletop printer

DIGITAL FUNCTIONALIZATION & PRINTING APPLICATIONS

- CHROMOJET tabletop printer is perfect to develop new applications, processes and recipes in the field of CHROMOJET pile product printing and digital functionalization using valve jet technology
- results can be transferred to the CHROMOJET production printer
- small removable medium tanks provide quick and easy change of fluids and dyes
- designs and patterns can be uploaded from a normal computer
- resolution, rasterization, pressure, head-speed, nozzle size, viscosity: these are the parameters to control penetration, pick-up and definition
- needs very little space on a table.

SCOPE OF SUPPLY

- control system with:
  USB Interface
  print software
  connecting cable
- 4 modules with 8 jets each
- nozzle sizes:
  100 | 120 | 150 | 200 | 250 | 280 µm
- 4 tanks 300 ml, 1 tank 1,300 ml

VARIABLES EFFECTING THE PICK-UP

The pick-up is influenced by the following variables:
viscosity, pressure, head-speed, coverage,
nozzle diameter, thickener behavior

Considering all possible variables the pick-up can result in a range of 1:500!

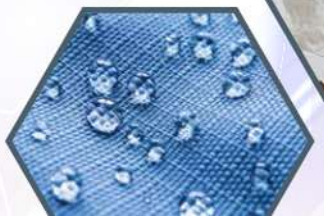
OPTIONS AND SPARE PARTS

- jet modules with 100 | 120 | 150 | 200 | 250 | 280 µm
- filter-kit with 10 additional filters
- tanks with 0.3, 0.6 and 1.3 liters

APPLICATIONS

Development and testing of print recipes for CHROMOJET print applications

- digital functionalization tests with up to 4 chemicals
- print tests on various substrates



TECHNICAL DATA

voltage:
110/230 Volt | 50/60 Hz

air supply:
4 bar

sample size:
max. 300 x 300 mm

number of colors / tanks / modules:
1-4 modules

jets:
8 jets per module

nozzle diameters available:
100 | 120 | 150 | 200 | 250 | 280 µm

head speed:
0.3 - 1 m/sec

medium pressure:
1.0 - 3.5 bar

medium viscosity:
0 - 500 cps

filters:
25 µm filter for each module

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