

# JET3-ECO



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# JET3eco: Continuous inkjet technology MMZ3

## Printing performance/features

- Printing speed up to 915 ft/min
- Printing height 0.06 " to 0.63 "
- Country- and industry-specific fonts: Arabic, Cyrillic, Chinese, Persian etc.
- Fonts: from 5x5 to 32x20, special fonts, user-programmable fonts, tower printing
- Multiline fonts (1 to 5 lines)
- Fonts and graphics can be positioned and combined in the print jobs as desired
- Freely positionable and combinable fonts and graphics
- Proportional function for all fonts
- Font height and font width adjustable
- All major barcodes and DataMatrix codes (ECC200), GSI, DataMatrix (EAN/ECC), QR-Code, PPN-Code
- Time, auto-adjustable date, auto-adjustable expiration-date, weekdays, calendar weeks, Julian calendar, shift identification
- Replacements: all date, time and counter functions can be replaced and user-programmed
- 32 individually programmable counters, consecutive numbering, production counter, meter marking with «Meter-Go» function
- User-programmable graphics/logos can be created in the integrated editor
- Multi-stage contrast and bold-function, print repetition, print delay, backward print, rotation/mirroring of font, invers, reverse and alternating prints (object-related)
- Dynamic backward printing, for traversing lines
- Programmable batch production and interlinking of multiple jobs
- «External text» function via scanner or data interface
- Printing variable data from external files via USB stick or data interface
- Stop function after reaching preselected value
- Product jam detection/monitoring of product alignment
- Autostart function
- Prompt function (fast edit)
- Solvent saving mode
- Self-test function

## Data management/back-up

- Data buffer in case of power failure
- File Explorer
- Print jobs saved with printing data and machine parameters
- Printer data logging, production run logging
- Up- and download of jobs and graphics using USB stick or network
- Job select (1023 jobs selectable from scanner or PLC)

## Operation/Data entry

- 10.4" color TFT touchscreen display (SVGA)
- Creating and editing jobs during production
- Customizable user interface
- Available menu languages: European languages, Arabic, Chinese, Vietnamese, Thai, Korean, Cyrillic, Persian etc.
- Integrated font and graphic editor
- Illustrated operator instructions
- Alternative control using the data interface (serial or Ethernet)
- Country-specific on-screen key pad
- Operational by mouse or keyboard
- Comprehensive self-diagnostics and status display with easy-to-understand text, help function, printer status display
- Storage of numerous jobs and graphics
- Password function and service menu
- Windows based interface, WYSIWYG, realtime updating of display
- Remote control via VNC

## Interfaces/inputs, outputs

- Product detector PNP/NPN 24 V, FIFO buffer
- Shaft encoder input for printing speed synchronization (TTL 5 V, HTL 24 V, RS 422, 5 V)
- 9 digital inputs and 8 outputs, user-selectable
- Printer alarm, low fluid, print ready, print finished, external job selection etc.
- Serial interface RS 232 up to 115200 baud
- USB port
- Ethernet (industry standard M 12 D), script protocol
- Sensor for product monitoring and speed measurement

## Leibinger hydraulic concept

- Low maintenance, diaphragm pumps with optimized run time
- Fully automatic viscosity and pressure control
- Temperature isolated hydraulics

- No external supply of compressed air is required
- Automatic daily interval function (Auto ink circulation)
- Reservoir tanks – refillable during production
- EcoSolv – Solvent Recycling System (optional)

## Print head

- Flexible, umbilical, length 9.84 ft
- Stainless steel cabinet
- Fully automatic nozzle and gutter seal «Sealtronic»
- Fully automatic drop charging, drop break off control
- Nozzle size: 60 µm, 70 µm
- Upside down – 360 ° operation
- Safety switch for print head locking
- Options: external head ventilation
- Automatic inkjet monitoring

## Fluid reservoirs

- Capacity of the ink and solvent tanks are 1.37 quart, refillable while printing
- Level gauge with fully automated monitoring
- Remaining prints are displayed
- Ink consumption: up to 150 million characters/qt.
- Solvent consumption: Can be reduced to 0.04 fl oz/hour using EcoSolv (depending of solvent and ambient temperature)
- A large portfolio of dye-based inks and pigmented inks
- Fast-drying solvent inks (< 1 sec)
- MEK, ketone-free, alcohol-based inks
- Ink colors (black, yellow, red, blue, green, gray, etc.)
- Temperature- and transfer-resistant inks
- An extensive range of high-performance inks: security, color changing, sterilization, adhesive and alcohol resistant inks. UV fluorescent, food-grade and food packaging inks
- Food-grade ink and food packaging inks

## Housing, weights and protection class

- Weight print head: 3.31 lbs, cabinet 45.2 lbs
- Protection class: IP 54
- IP 65 Option available

## Connected loads and ambient conditions

- 100 V–240 V, 50–60 Hz, typical 20 VA
- Temperature range +41 °F to +113 °F
- Relative humidity max. 90 %, non-condensing
- No external air pressure necessary

## Accessories

- Product detector, shaft encoders, printer stand, print head bracket, alarm lamps etc.
- Software for remote control, multi-head control

## WORKS

### UNIT I

Khasra No 248, Road No 1, Village Bharthal  
Sector 26, Dwarka, New Delhi - 110077

### UNIT II

F-132, Sector -9, Phase-III  
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