Setting new performance
standards in inkjet coding.

LEIB//NGER
Coding and Marking Systems

JET3 SE

JET3se offers everything you need at an attractive price. It combines the best product quality, the highest level of reliability and an extensive set of features to run your production more efficiently than ever. The JET3se comes with our unique Sealtronic print head technology included. It makes choosing the JET3se a no-brainer. Stop cleaning and start coding!

Essential Line

JET3se: Continuous inkjet technology for high-flyers.

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
→ Proportional function for all fonts
→ 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: 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 of solvent and ambient temperature)
→ A large portfolio of dye-based inks and soft 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

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

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