LEIBINGER

100% protection SEALTRONIC trouble-free startup, every time

UPgrade your
marking process

JET3 UP MI Industrial Inkjet Printer

Technical specifications

PRINT PERFORMANCE/FUNCTIONS

» Printing speed up to 10m/s (600m/min)
» Printing height 0.8 to 12mm, depending on nozzle size
» Country and industry-specific fonts: Arabic, Cyrillic, Chinese, Persian, etc.
» Fonts: from 5x5 to 32x20, special fonts, user-programmable fonts, tower printing
» Multi-line fonts (1 to 5 lines)
» Fonts and graphics can be positioned and combined in the print jobs as desired
» Proportional function for all fonts
» Font height and font width adjustable
» All major barcodes and DataMatrix codes (ECC200), GS1 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, inverse, 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 ADMINISTRATION/SECURITY

» 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 INPUT

» 10.4 " colour TFT touch-screen 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 available 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, real-time updating of display
» Remote control over VNC

INTERFACES, INPUTS/OUTPUTS

» Product detector PNP/NPN 24V, FIFO buffer
» Shaft encoder input for printing speed synchronisation (TTL 5V, HTL 24V, RS422, 5V)
» 9 digital inputs and 8 outputs, user-selectable
» Printer alarm, low fluid, print ready, print finished, external job selection etc.
» Serial interface RS232 up to 115200 baud
» USB port
» Ethernet (industry standard M12D), script protocol
» Sensor for product monitoring and speed measurement
» Option: Special interface to connect several printers

LEIBINGER HYDRAULIC SYSTEM

» Low maintenance, diaphragm pumps with optimized run time
» Fully automatic viscosity and pressure control
» Thermally isolated hydraulics
» No external supply of compressed air is required
» Automatic daily interval function (Auto ink circulation)
» EcoSolv – Solvent Recycling System (optional)

PRINT HEAD

» Flexible umbilical, length: 3m or 6m
» Stainless steel cabinet
» Fully automatic nozzle and gutter seal "Sealtronic"
» Fully automatic drop charging, drop break off control
» Nozzle size from 35µm to 40µm
» Upside down - 360° operation
» Safety switch for print head locking
» Options: Head ventilation, 45° to 90° bent umbilical, various print head versions
» Automatic inkjet monitoring

FLUID RESERVOIRS

» Capacity of the ink and solvent tanks are 1.3 liters, refillable while printing
» Level gauge with fully automated monitoring
» Remaining prints are displayed

INKS

» Ink consumption: up to 270 million characters/l. (matrix 5x5/nozzle 35µm)
» Solvent consumption: Can be reduced to 4 ml/h using EcoSolv option (depending on nozzle size, type of solvent and ambient temperature)
» Fast drying inks (<1sec)
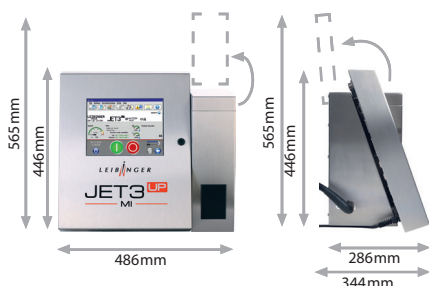» Ink color: black

WEIGHTS AND PROTECTION CLASS

» Weight: print head 1.5kg, cabinet 20.5kg
» Protection class: IP 54 (option: IP 65)

SUPPLIES AND ENVIRONMENTAL CONDITIONS

» 100-240V, 50-60Hz, typical 20VA
» Temperature range +5°C to +45°C
» 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

565 mm | 446mm | 486mm | 565 mm | 446mm | 286mm | 344mm

SK4 print head
259mm | Ø 43 mm

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