LEIB|||NGER

100% protection
SEALTRONIC
trouble-free startup, every time

UP grade your
marking process

Technical specifications

PRINT PERFORMANCE/FUNCTIONS

» Printing speed up to 10 m/s (600 m/min)
» Printing height 0.8 to 16 mm, depending on nozzle size, head and printer type
» 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
» Automatic monitoring of compressed air
» Automatic daily interval function   (Auto ink circulation)
» Integrated cabinet ventilation

PRINT HEAD

» Flexible umbilical, length: 3 m, optional: 6 m or 10 m
» Stainless steel cabinet
» Fully automatic nozzle and gutter seal   " Sealtronic"
» Fully automatic drop charging, drop break off control
» Nozzle size from 35 to 70 μm, depending on the model
» Upside down - 360° operation
» Safety switch for print head locking
» Head ventilation, options: 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

» Fast-drying solvents inks (<1sec)
» Various pigmented contrast inks*
» MEK-free, ketone-free and alcohol-based inks *
» Temperature and transfer-resistant inks *
» PVC inks (vinyl inks) *
» Halogen-free inks *
» Special inks, such as security, color changing, sterilization, washable adhesive, alcohol-resistant and UV fluorescent inks *
» Food-grade ink and food packaging inks *
» Custom special inks *
» Ink colors: black, white, yellow, red, blue, green, gray, silver-gray, orange*

WEIGHTS AND PROTECTION CLASS

» Weight: print head 1.5 kg, cabinet 20.5 kg
» Protection class: IP 65

SUPPLIES AND ENVIRONMENTAL CONDITIONS

» 100-240 V, 50-60 Hz, typical 20 VA
» Temperature range +5°C to +45°C
» Relative humidity max. 90%, non-condensing
» Compressed   air consum ption: 100 l/min
» Required inlet pressure: 1,4 bar

ACCESSORIES

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

*Availability depends on the printer model

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

SK4 print head
Ø 43 mm
259 mm
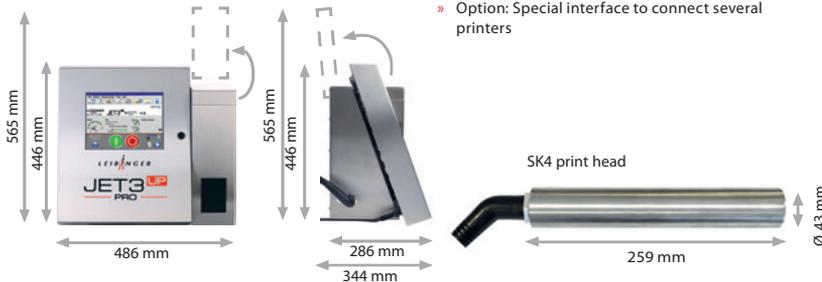
Errors and changes reserved. All logos and brands used are registered trademarks or brands of the manufacturer.