

Specifications

Operation/data input

- All printer functions controlled through Touch Screen Panel
- Creating and editing jobs during production
- Graphic editor
- Alternate control by the use of the data interface
- Operating system software with logical menu guide available in most major languages
- Fully automatic self-diagnosis and status display with easy to understand text
- Password function and service menu
- WYSIWYG display of the printing text

Print output/functions

- Print output up to 2.700 characters per second
- Printing speed faster than 400 m/min
- Printing height from 0,8 to 12 mm, depending on font type and nozzle size
- Fonts single-line: 5x5, 7x5, 9x5, 9x7, 11x8, 12x8, 14x10, 16x10, 24x24 plus special fonts
- Fonts multi-line (1 to 4 lines): various combinations with free positioning
- All major barcodes, including Data-Matrix
- Time, date, 2 expiration dates, weekday and julian calendar in free programmable layout
- 2 programmable counters, meter marking, shift codes
- Customizable graphics
- Fonts and graphics can be combined in the print jobs
- Country and branch specific fonts
- Text direction and printing direction selectable via touch screen
- Multistage contrast and bold functions
- Print repetition and delay

Data administration/Security

- Data buffer in case of power failure
- Print jobs saved with printing data and machine parameters
- Up and download of jobs and graphics via PC for storage or transfer
- Job storage capacity: 128 Jobs

Print head

- Full automatic nozzle and gutter seal
- Stainless steel body and cover
- Flexible umbilical, length 3, 6 or 10 m (optional)
- Full automatic drop charging and drop break off control
- Nozzle size model JET2SE+ and SE+ pro: 50, 60 and 70 µm
Model JET2SE+ pi: 60 and 70 µm
Model JET2SE+ mi: 40 µm
- Head pressurization and 90° angle print head optional
- Printing in all directions, horizontal and vertical (upside down)

Inputs/Outputs

- Product sensor PNP/NPN 24V
- Shaft encoder input for printing speed synchronisation 5V RS 422
- Printer alarm, low fluid, print ready, print finished, counter increment, counter reset, external job select, nozzle open, nozzle close, cutter signal (cable applications)
- Data and service interface V24/RS 232 or RS 422 (Option), from 9.600 to 115.200 baud

Leibinger Hydraulic System

- Low maintenance
- Full automatic viscosity control
- Full automatic pressure control
- Thermally isolated hydraulics
- Diaphragm pumps with optimized on-time
- No external supply of compressed air is required

Reservoir

- Capacity of pressure-less ink and solvent tanks 1 liter each
- Refillable while printing
- Low fluid level sensor on each tank

Supplies

- Electrical: 100 V-240 V, 50-60 Hz
- Power consumption max. 50 VA

Accessories

- Product sensors, shaft encoders, printer stand, print head bracket, alarm lamps
- Software for remote control, multi head control and specific branches

Environmental conditions

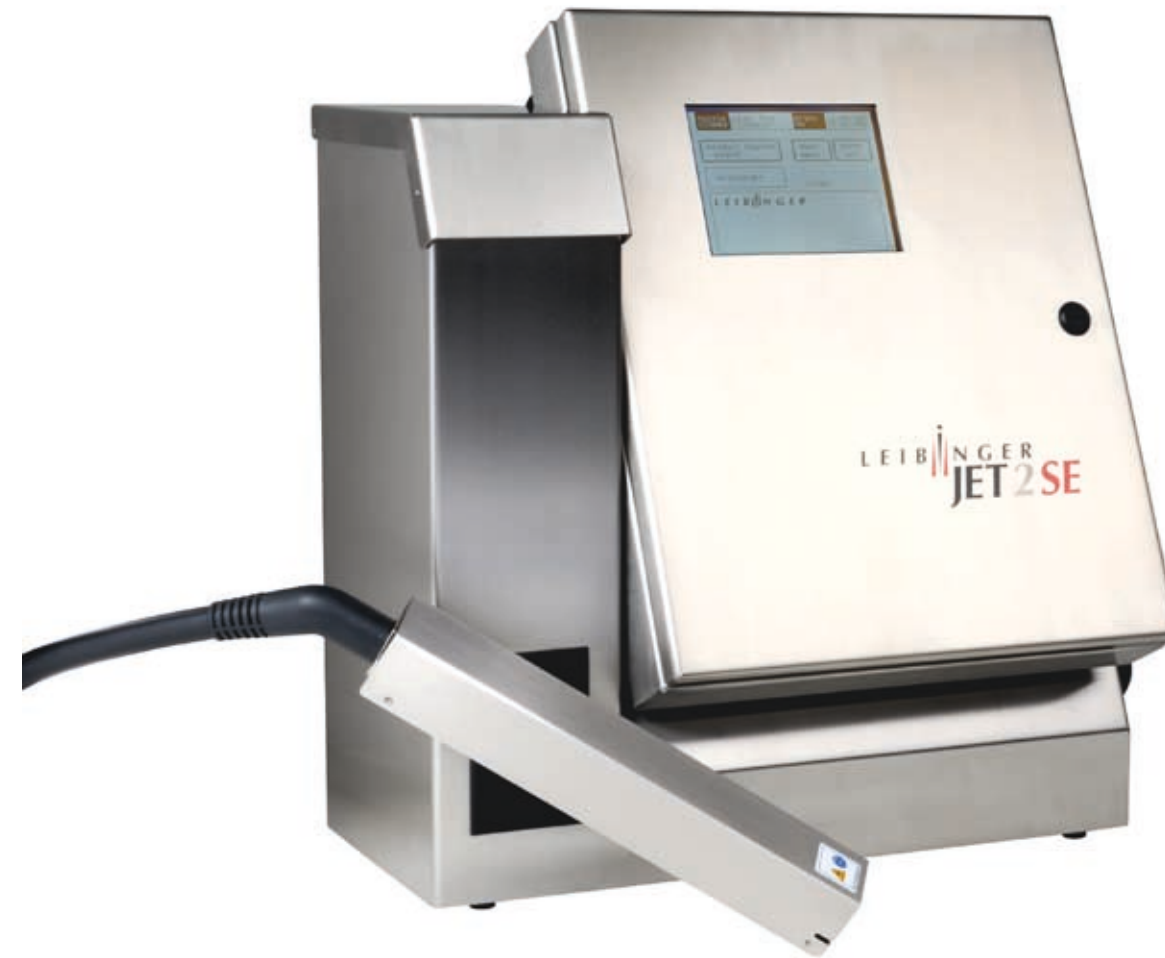
- Temperature range +5°C to +45°C
- Relative humidity max. 90 % non-condensing

Stainless steel cabinet

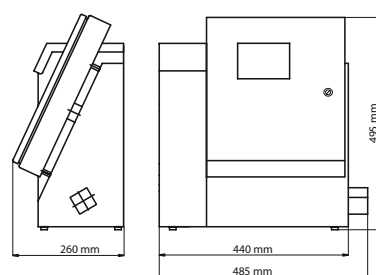
- According to class IP 54, model JET2SE+ pro IP 65

Inks

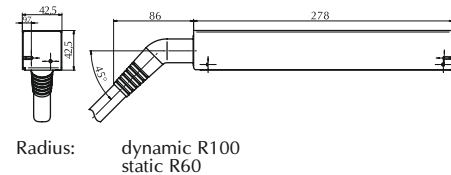
- Consumption: up to 130 million characters/ltr. (font 7x5, nozzle 50 µm)
- Different dye-based and soft-pigmented inks
- Fast drying inks (< 1 sec)
- Keton free, alcohol and water based inks
- Pigmented contrast inks (JET2SE+ pi)
- Temperature and transfer resistant inks
- Security, colour changing, sterilization, adhesive and alcohol resistant inks
- Food grade ink (FDA conform) and Food packaging inks (FDA conform)
- Customized inks



Machine (22 kg)



Print head (ca. 1 kg)



Technical changes are reserved.



Paul Leibinger GmbH & Co. KG
Daimlerstr. 14
78532 Tuttlingen / Germany
Phone +49 (0) 74 61 / 92 86 - 0
Fax +49 (0) 74 61 / 92 86 - 199

www.leibinger-group.com
info@leibinger-group.com



Local distributor contact:

Ink-Jet Printer



JET2SE+

Fluid reservoirs

Pressureless with low level sensors for easy refill

Display

Easy touch screen operation in most major languages

Hydraulic systems

Innovative design, low maintenance
No external compressed air supply required
Automatic pressure and viscosity control

Umbilical

Flexible, 3m length, expandable up to 10m

Stainless steel cabinet

Ergonomic, sturdy and award winning design

Stainless steel print head

Excellent print quality, automatic nozzle seal, automatic drop break off control

no-clog
airtight
nozzle seal

Ink-Jet printers of the LEIBINGER JET2SE+ family are known for the highest flexibility. The range of application reaches from egg printing with food grade inks, printing best before dates on packaging, and marking black cables with white contrast inks. By the use of solvent-based inks, the print is smudge-proof after one second on glass, plastic or metal.

Printing is accomplished using Continuous Ink-Jet technology for fast, non-contact marking. All possible kinds of surfaces, including round, vaulted, waved, rough or graded can be printed easily. Very good print quality is also possible when large throw distance from head to product is required.

Simple operation keeps production running smoothly. The LEIBINGER JET2SE+ machines are operated by a large-surface, background illuminated Touch-Screen display. Operating is logical and efficient with easy to follow menus available in many languages. With the help of the integrated graphic editor, logos or special characters can be directly designed by the operator.

Starting the printer requires pressing only one button. After the nozzle seal opens, the LEIBINGER JET2SE+ printer is ready to print within one minute, without flushing processes and cleaning procedures. This unique, fast and easy start up method for the Continuous Ink-Jet printer is guaranteed by the worldwide unique, full automatic nozzle seal which is standard on every model of the LEIBINGER JET2SE+ series.

Shut-down of the machine happens also by pressing only one button. The gutter tube closes the nozzle airtight. No drying or clogging can occur due to the closed ink circuit. The ink can circulate every day at a pre-programmed time. Even after long-term shut-downs, drying in the ink supply, nozzle, gutter tube and return line is prevented. Gone are the days of dry, clogged printers.

The LEIBINGER JET2SE+ series meets all demands which are required from INK-JET marking systems. Flexible for many applications, easy to integrate in existing machines, powerful and fast with highest printing quality and above all: Highest efficiency, easiest to operate and unmatched reliability.



LEIBINGER JET2SE+ pro – Water and dust proof.
This model works reliably even under rough, dirty, dusty and wet ambient conditions. The stainless steel cabinet and print head conform to protection class IP65. The typical applications of the JET2SE+ pro are the printing of best before dates on dairy products, meats and sausages, PET and glass bottles as well as on cans and beverage products.

LEIBINGER JET2SE+ pi – Extreme visibility.
High contrast on dark surfaces is possible with pigmented inks. The JET2SE+ pi is the specialist in working with these contrast inks. This printer marks on tubes, cables, electronic parts and other dark surfaces. All LEIBINGER JET2SE+ series printers are equipped with our exclusive LEIBINGER nozzle seal system. This technology guarantees easy start-up by just pressing a button, even after long term shut-down and when using pigmented inks.



LEIBINGER JET2SE+ – Printer of many talents.
This printer works with fast drying solvent ink, food grade inks, color-based inks, slightly pigmented contrast inks and a variety of special inks. The JET2SE+ prints on almost every material and surface. Successfully proven in applications including printing of folded boxes, blister packs, aluminum foils and extrusions, plastic foils and extruded parts, steel plate and tubes, automotive parts and food products. Even brand protection can be done by the use of UV-light ink.

