

# Specifications

## The Leibinger JET2SE family 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

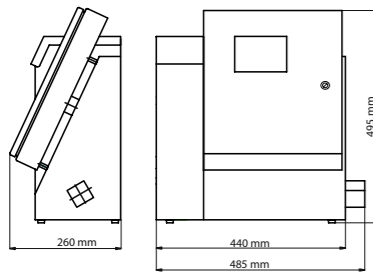
## Data administration/Security

- 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 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

Machine (22 kg)



Technical changes are reserved.

- Time, date, 2 expiration dates, weekday and julian calendar in free programmable layout
- 2 programmable counters, meter marking, shift codes
- 26 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

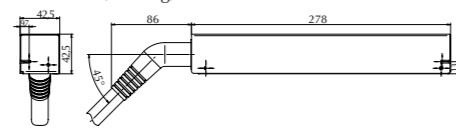
## Print head

- Full automatic nozzle and gutter seal
- Stainless steel body and cover
- Flexible umbilical, rugged conduit, length 3, 6 or 10 m (optional)
- Full automatic drop charging and drop break off control
- Nozzle size model JET 2 se and pro: 50, 60 and 70 µm  
Model JET 2 pi: 60 and 70 µm  
Model JET 2 mi: 40 µm
- Head pressurization and 90° angle print head optional
- Printing in all directions, horizontal and vertical (up and 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

Print head (ca. 1 kg)



Radius: dynamic R100  
static R60

## 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. 40 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 JET 2 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 (JET 2 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

# JET2SE



**LEIBINGER**  
COUNTING FOR THE FUTURE

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

**LEIBINGER**  
COUNTING FOR THE FUTURE

# 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

The only inkjet printer with no-clog nozzle.

Ink-Jet printers of the LEIBINGER JET2 SE 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 Inkjet 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 JET2 SE 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 JET2 SE 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 JET2 SE 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 JET2 SE 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 JET 2 pi – Extreme visibility.

High contrast on dark surfaces is possible with pigmented inks. The JET 2 pi is the specialist in working with these contrast inks. This printer marks on tubes, cables, electronic parts and other dark surfaces. All Leibinger JET 2 SE 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 JET 2 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 JET 2 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 JET 2 se – 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 JET 2 se 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.

