

SMARTJET



Ink-Jet Systems

Display

easy touch screen operation

Fluid reservoirs

large capacity, easy to fill

Print head

*compact, round profile,
excellent print quality*



SMARTJET

The Leibinger SMARTJET inkjet printer uses "Continuous Ink jet technology" for fast, non-contact printing, marking, and coding on a large variety of products, materials, and surfaces.

Dairy products, eggs, glass bottles, plastic films and containers, PET bottles, blister packs, paper and paper board, metals and aluminum products are marked very fast and easy with the SMARTJET.

Additional SMARTJET applications include marking of steel and plastic tubes, cables, hoses, plugs, extruded plastics, and many other products requiring flexible, economic marking.

SMARTJET is extremely easy to operate through simple menus on the Touchscreen. Software is available in most major languages.

The compact, corrosion resistant steel cabinet on the SMARTJET is suitable for use in wet production areas when selecting the "SMARTJET pro" model with IP 65 protection.

Integration of the round, stainless steel printhead on the SMARTJET is easy and space-saving on the production line. It can be installed in both vertical and horizontal directions. The automatic "drop control" system ensures a continuous high quality print image.

Large, easy to fill reservoir tanks guarantee long refill intervals. The innovative "LEIBINGER HYDRAULIC SYSTEM" does not require an external air supply, functions with an extreme resistance to wear and tear, and provides the longest maintenance intervals with lowest maintenance costs. The integrated pressure and viscosity control system guarantees consistent, high quality print.

*The LEIBINGER SMARTJET:
Highest reliability, excellent print quality, high printing speed, easy operation with low maintenance and consumption costs.*

Hydraulic systems

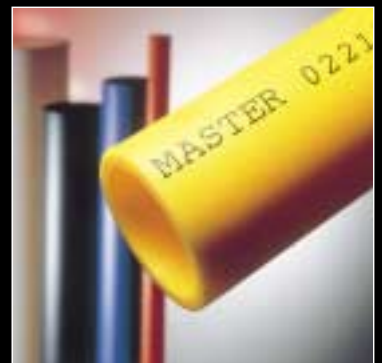
innovative design, extremely low maintenance, no external compressed air supply required

Cabinet

ergonomic, sturdy steel construction



SMARTJET pro: IP 65 rated model for wet environments



Specifications

Operation/data input

- All printer functions controlled through Touch Screen panel.
- Operating system software with logical menu guide available in most major languages.
- Fully automatic self-diagnosis and status display with easy to understand text help functions via the Touch Screen.
- 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
- Job storage capacity: 128 jobs

Print output/functions:

- Print output more than 2100 characters per second at 5x5 matrix
- Printing speed faster than 320 m/min at 5x5 matrix, 10 CPI
- Printing height from 1,5 mm to 8 mm
- Fonts single-line: 5x5, 7x5, 9x7, 16x10
- Fonts multi lines: twin-line 5x5, 7x5 and further combinations
- 26 customizable graphics
- Fonts and graphics can be combined in print jobs
- Country specific fonts
- Time, date, programmable counters, meter markings, shift code, expiration date, weekday and Julian calendar

- Text direction and printing direction selectable via Touch Screen
- Multistage contrast and bold functions
- Print repetition and print delay

Print head:

- Cylindrical design with stainless steel cover
- Flexible umbilical, rugged conduit, length 3m
- Full automatic drop charging control
- Full automatic drop break off control
- Head pressurization option
- Printing in all directions, horizontal and vertical (up or down)

Inputs/Output:

- Product sensor PNP/NPN 24V
- Shaft encoder input for printing speed synchronisation 5V RS 422
- Printer alarm and low fluid signal outputs
- Service interface RS 232 on controller board

Hydraulic:

- Low-maintenance "LEIBINGER HYDRAULIC CONCEPT"
- Full automatic viscosity control
- Full automatic pressure control
- Thermally isolated hydraulics
- No external supply of compressed air is required

Reservoir:

- Capacity of the ink and solvent reservoir tanks 1.5 liter each
- Refillable while printing
- Low fluid level sensor on each tank

Inks:

- Different dye-based inks
- Fast drying inks (< 1sec.)
- Food grade ink for direct printing on food, e.g. eggs

Environmental conditions:

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

Machine case :

- Powder coated corrosion-protected steel
- Standard IP 54 for SMARTJET
- Standard IP 65 for SMARTJET pro

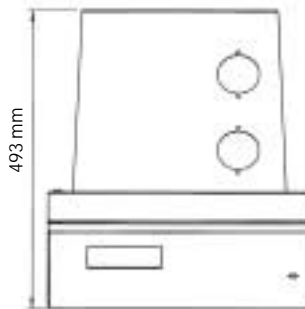
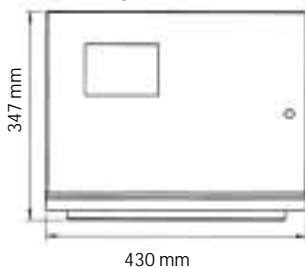
Supplies:

- Electrical: 100-240VAC, 50Hz-60Hz
- Power consumption max. 40VA
- No external compressed air required

Accessories:

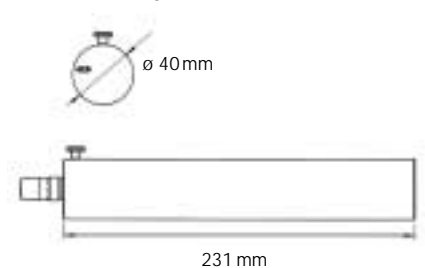
- Product sensors, printer stand, print head bracket, shaft encoder, etc

Machine (19 kg)



Technical changes are reserved.

Print head (0.7 kg)



LEIBINGER
COUNTING FOR THE FUTURE

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