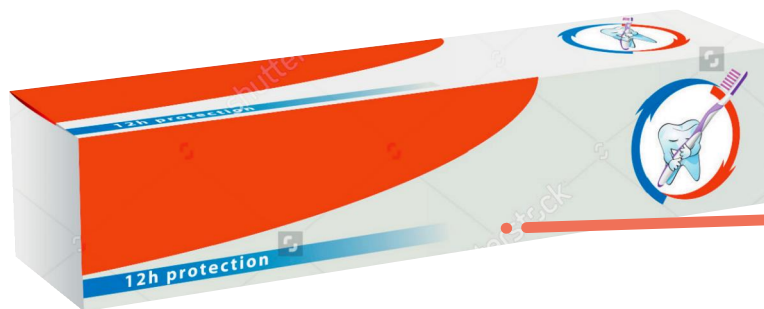


MARKING SOLUTIONS FOR VARIOUS APPLICATIONS

The LEIBINGER JET1neo continuous inkjet printer is the ideal marking solution for all standard applications.

The LEIBINGER JET1neo codes all conceivable products and materials, such as plastic, glass, wood, metal, ceramic, technical composite material, cardboard and paper without making contact using fixed and variable data. Examples of applications include expiration dates, LOT/batch numbers, serial numbers, shift codes and graphics. Special inks are used that dry in less than one second. Various product surfaces do not pose a challenge for the LEIBINGER JET1neo printer, regardless of whether they are convex, concave, rough, smooth, flat or structured. Non-contact marking and fast product processing make CIJ technology the most flexible, versatile and cost-effective method of marking products.



Print up to 2 lines with high precision in **various fonts and languages**

Bold, powerful imprint



Fixed and variable data, such as text, expiration dates, lot/batch numbers, shift codes etc.

TECHNICAL SPECIFICATIONS

PRINT PERFORMANCE/FUNCTIONS

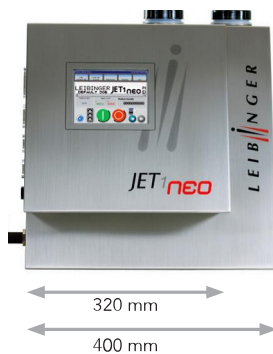
- » Printing height 1.5 - 8 mm
- » Country and industry-specific fonts, e.g. Arabic, Chinese
- » Fonts: from 5x5 to 16x10 dots, special fonts, tower printing
- » Multiline fonts (1 to 2 lines)
- » Fonts and graphics can be free positioned and combined
- » Proportional function for all fonts
- » Font height and font width adjustable
- » 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
- » Individually programmable counters, consecutive numbering, production counter, meter marking
- » Multistage contrast and bold function, print repetition, print delay, backward print, rotation/mirroring of font, inverse, reverse and alternating prints (object-related)
- » Stop function after reaching predefined amount

DATA ADMINISTRATION/SECURITY

- » Storage of countless jobs and graphics
- » Data buffer in case of power failure
- » Explorer
- » Print jobs saved with printing data and machine parameters
- » Up- and download of jobs and graphics using USB stick

FLUID RESERVOIRS

- » Capacity of the pressureless ink and solvent tanks is 1.3 liter
- » Refillable while printing
- » Automatic level control



INTERFACES, INPUT/OUTPUTS

- » Product detector PNP/NPN 24V
- » Shaft encoder input for printing speed synchronisation (TTL 5V, HTL 24V, RS422 5V)
- » 1 inputs, horizontal mirror, 3 outputs
- » Printer alarm, low fluid, print ready
- » USB port
- » Low maintenance, diaphragm pumps with optimized on-time
- » Fully automatic viscosity and pressure control
- » Thermally isolated hydraulics
- » No external supply of compressed air is required
- » Automatic interval function
- » EcoSolv – Solvent Recycling System (optional)

PRINTHEAD

- » Inkjet control
- » Flexible umbilical, length 3 m
- » Stainless steel cabinet
- » Fully automatic nozzle and gutter seal „Sealtronic“
- » Fully automatic drop charging, drop break off
- » Nozzle size model JET1neo: 70 µm
- » Upside down - 360° assembly
- » Safety switch for print head locking

INKS

- » Several dye-based inks
- » Fast drying inks (<1 sec)
- » Ink colour (black)
- » Temperature- and transfer-resistant inks
- » Packaging inks

CABINET, DIMENSIONS AND WEIGHTS

- » Weight printhead: 1.5 kg
- » Weight cabinet: 17 kg
- » Protection class: IP 54

SUPPLIES AND ENVIRONMENTAL CONDITIONS

- » 100 V-240 V, 50-60 Hz, max. 40 VA
- » Temperature range +5°C to +45°C
- » Relative humidity max. 90%, non-condensing
- » No external air pressure necessary

ACCESSORIES

- » print head bracket, alarm lamps, etc.

OPERATION/DATA INPUT

- » 5.7" color TFT touchscreen display (VGA), background illuminated
- » Creating and editing of jobs during production
- » Available menu languages: European languages, Arabic, Chinese, Vietnamese, Thai, etc.
- » Country-specific on-screen keypad
- » Operation also by mouse or keyboard
- » Comprehensive self-diagnosis and status display with easy-to-understand text, help function, printer status display ("traffic lights")
- » Windows based interface, WYSIWYG-display



LOCAL DISTRIBUTOR CONTACT:

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LEIBINGER



100%
protection
SEALTRONIC
trouble-free startup,
every time



JET1neo

Easy and reliable marking.

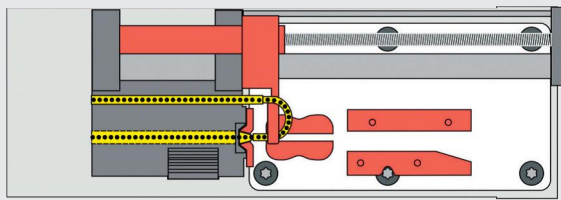
SEALTRONIC NOZZLE SEAL

Trouble-free-startup every time with the automatic „Sealtronic nozzle seal“.

No drying out of ink in the printhead!. Ready to print in 1 minute – even after long production shutdowns . Always a clean start-up and maximum availability. No daily service work and no rinse cycles.



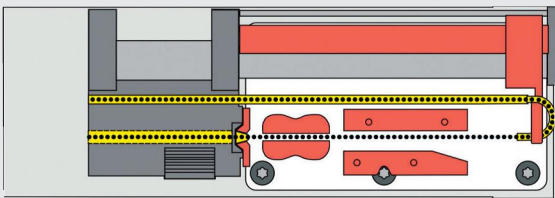
LEIBINGER printhead with nozzle seal



Switched-off LEIBINGER printer

Shut down process

The gutter is moved to the nozzle automatically when shutting down the printer, forming a hermetically sealed, airtight circuit. The result: 100% secure protection from ink drying out!

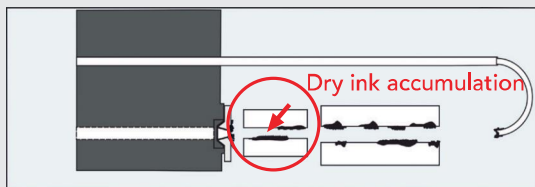


LEIBINGER printer after the startup process

Startup process

First, the ink begins to flow in the sealed circuit creating a stable ink stream. The gutter then opens automatically. This happens within a few seconds and guarantees a fast and error-free start. The printhead remains absolutely clean in this process.

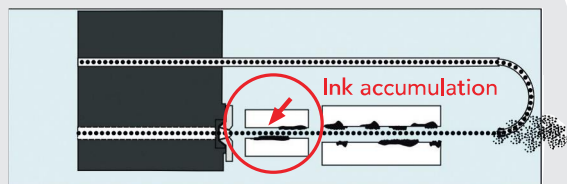
Conventional printhead without nozzle seal



Switched-off conventional printer

Shut down process

Nozzle and gutter remain open. The residual ink is exposed to the air unprotected and dries out. This causes problems the next time the printer is started.



Conventional printer after the startup process

Startup process

The conventional design causes an unstable startup of the jet. The result: the printhead gets dirty regularly and thus drop charging is degraded right from the start.

KEY REASONS FOR JET1neo



Reliability

- » Full automatic nozzle seal, Sealtronic
- » Instant availability
- » Robust printhead
- » High-quality materials and components
- » Well approved state-of-the-art software and hardware



Applications

- » Various print applications
- » Versatile functions
- » Two line printing
- » Bold function
- » Different fonts
- » Graphic printing
- » Serial numbers, best before dates, Lot numbers, counters, date and time codes, shift codes, ect.
- » Can be used flexibly for different products and materials
- » Economical: no solvent consumption during production shutdowns thanks to Sealtronic
- » High energy efficiency
- » Printing in multi-up images with LEIBINGER JETmotion portal axis (opt.)



Handling / Appliance

- » Easy and clean refiling of ink and solvent thanks to the intelligent LEIBINGER refill system
- » Colorful 5.7" touch display
- » Windows-based user interface
- » Big and easy usable buttons
- » Intuitive, clear menu guidance
- » Save a huge number of print jobs
- » Many practical functions that make your daily work easier, including automatic expiration dates, date, time and counter function and prompt function (quick access)



KEY REASONS FOR JET1neo



Integration

- » Fast product processing through instant-drying inks (>1 second)
- » Great time saving thanks to non-contact marking during ongoing production
- » Technology allows a large distance between printhead and product
- » Various inks for different applications
- » Forward and backward print available
- » Printhead can be installed in all directions (upside down, sideways, topdown??)--> Übersetzer
- » no external compressed air required
- » Easy mechanical integration thanks to the compact print-head



Quality

- » Made in Germany
- » Development & production in Germany.
- » Highest level of inhouse production
- » Decades of experience & competence
- » Stainless steel housing
- » Heavy duty metall print-head
- » Premium industrial product
- » Free lifetime software updates



Service

- » We are there for you – worldwide!
- » More than 100 authorized full-service partners guarantee qualified service on-site
- » Long service intervals
- » Low maintenance cost

