

MAXILINE

INKJET

Product information

Perfect digital printing for high-definition marking



Picture: MAXILINE

TOP QUALITY PRINTING OF TEXT, GRAPHICS AND BARCODES

MAXILINE prints on absorbent surfaces quickly and precisely. With a maximum height of 100 mm, the printhead is able to generate a large number of text lines in just one operation, which can be combined with user-defined barcodes and graphics.

A backlit LCD display and membrane keyboard provide user-friendly entry of text and other data.

OVERVIEW OF PRINCIPAL FEATURES

- Bar codes EAN 8, EAN 13, EAN 128, 2/5 ITF, Code 39, Code 128, DUN 14, UPC, other bar codes optional
- Large choice of fonts, including True Type
- Graphics mode, various automatic functions such as date, time, counter, etc.

Perfect digital printing for high-definition marking

MAXILINE employs the most modern digital printing technology. With a maximum print height of 100 mm, the printhead is able to generate large texts, created from different fonts and combined with barcodes, logos, pictograms, approval marks, warning notices, etc. The high-quality printing can be maintained at high production speeds

PRINT TECHNOLOGY

The nozzle plate of the print head is equipped with 768 separate nozzles, which are fed by 256 ink channels. When the system's piezoelectric transducers receive electrical impulses, a pressure will arise in the ink channels, causing the ejection of ink drops that form the print image. Because the ink is supplied to the printhead by gravity, a pump is not required.

The inks used in the system are solvent-free and dry quickly on all porous substrates. They help to ensure high-resolution printing with excellent light fastness and optical density.

DATA ENTRY

Data, text messages and graphics are designed using our PC-based WYSIWYG software EDITOR3, then transferred to the MAXILINE system via interface RS 232, RS 422, USB or LAN. These interfaces also allow linkage to your internal data web.

Individual print parameters and text messages can also be entered and recalled for printing at each individual system. The operator may fill „variable print fields“ with current data (e.g. batch and order numbers).

AUTOMATIC FUNCTIONS

Date, time, numbering and additional automatic functions can be inserted during text creation. These parameters will be updated continuously during printing.

PC PROGRAM

The Windows-compatible PC program EDITOR3 is used for the design of texts and graphics, as well as data-backup, and networking as many MAXILINE systems as requested.

CLEANING AND MAINTENANCE

The MAXILINE printhead is contained in a rugged stainless steel housing for use in most industrial applications.

A „maintenance module“ is integrated into the system. This new, electronically controlled cleaning station provides near maintenance-free handling of the printer without the need for special care.



Picture: MAINTENANCE MODULE

SPECIFICATION

- NUMBER OF PRINTHEADS: up to 99 networkable
- PRINT DIRECTION: L/R or R/L, from the side (optionally from above)
- PRINTHEAD DISTANCE: max. 5 mm to product
- SPEED: Up to 200 meters per minute dependent on print height and resolution
- BARCODES: Up to 60 meters per minute
- TEXT LENGTH: Up to 1.000 mm
- VERTICAL PRINT HEIGHT: Up to 100 mm
- VERTICAL RESOLUTION: 192 dpi
- HORIZONTAL RESOLUTION: 100 - 300 dpi
- AUTOMATIC FUNCTIONS: Date, time, sequential numbering, variable fields, etc.
- INK: Pigmented ink for printing on absorbent substrates; Black standard (other colours optional)
- INK CONSUMPTION: Automatic calculation of ink consumption / display for current print job
- INTERFACES: RS 232 / RS 422 / USB / LAN
- INPUTS: Photocell; Shaft encoder
- OUTPUTS: OK, warning, alarm
- POWER SUPPLY: 90 - 240 VAC, 50 - 60 HZ
- ENVIRONMENT: Room temperature 10 - 35°C
Relative humidity 10 - 90%, non-condensing