

# UNILINE

**INKJET**

Product information

The cost effective inkjet for high definition marking onto packaging



Photo: UNILINE

#### TEXT, GRAPHICS AND BARCODES:

UNILINE prints packaging fast, precisely and with high definition. Dependent upon head type, up to five lines of text can be used with font heights between 2 and 48 mm combined with barcodes and graphics.

#### PRINT SAMPLES:

**B3****MULTIVITAMIN**  
Fruchtsaftgetränk  
5 x 0,21

#### UNILINE PRINCIPAL FEATURES:

- BARCODES EAN 8, EAN 13, EAN 128, 2/5 ITF, CODE 39, CODE 128, DUN 14, UPC
- VARIOUS FONTS AND SIZES
- GRAPHICS MODE, VARIOUS AUTOMATIC FUNCTIONS

**Mark-O-Print GmbH**

For Quality Marking And Coding

The cost effective inkjet for high definition marking onto packaging

**UNILINE** prints your packaging with text, graphics and barcodes and in many cases can replace expensive labels as the information transmitter.

The choice of print head for the UNILINE allows production of text in font heights from 2 to 48mm. Additionally every font can be in a different style and barcodes, company logos, pictograms, approval marks, product information etc can be included. Optimum print quality is maintained at high production speeds.



Photo: Printing from above

### PRINT TECHNOLOGY

The UNILINE print head nozzle plate consists of 96, 192, or 352 nozzles which are fed by 32 ink channels. Piezo Electric transducers are located in the ink channels. When these receive an electrical impulse they squeeze the channel expelling an ink droplet which forms the print. The ink is gravity fed and therefore a pump is not required. The system requires a minimum of service. Our special inks are mostly solvent free. They dry on all porous materials, as well as non-porous surfaces when assisted with heat to aid drying.

### DATA ENTRY

Data, text for printing and graphics are entered on the integrated membrane key-board. Above the keypad is the back lit graphic LC display. UNILINE can be linked to your internal data network via its RS-232 or RS-422 interface.



### AUTOMATIC FUNCTIONS

Date, time, numbering and further automatic functions can be incorporated into text.

### PC PROGRAM

As an option a PC program which runs under Windows can be delivered. It can be used to import text layouts and graphics.



### SPECIFICATION

- PRINT DIRECTION:  
L to R or R to L, from the side (optionally from above)
- PRINT HEAD DISTANCE:  
Max. 5 mm from product
- SPEED:  
Up to 100 m/min, dependent upon print height and absorption.
- TEXT LENGTH:  
Up to 250 characters.
- TEXT MEMORY:  
For approx. 1000 messages.
- FONT HEIGHT:  
2 - 48 mm.
- GRAPHICS:  
Logos and images downloadable via our PC program.
- GRAPHIC MEMORY:  
100 locations
- AUTOMATIC FUNCTIONS:  
Date, time, counter, variable fields etc.
- INK:  
Available in various qualities and colours.
- CONSUMPTION:  
Per 500ml cartridge -  
3 billion dots/  
print head 32/96  
1.5 billion dots/  
print head 32/92  
1.125 billion dots/  
print head 32/352
- INTERFACE (OPTIONAL):  
RS 422 / RS 232
- SUPPLY:  
100 - 240V
- ENVIRONMENT:  
Room temp. 10 - 35°C  
Relative humidity 10 - 90%  
non-condensing