

# HSAJET® Micron MCHP1

Unique small controller and printer in one  
ideal for repeat printing jobs



## HP TIJ 2.5 technology

The HSAJET® Micron is based upon reliable HP TIJ 2.5 technology which delivers consistent, high-quality, fast printing, exceptional value, and ease of use. Micron is ideal for printing labels and for all cartons for food and pharmaceuticals. The possibilities are endless.

## Load print job from USB-key

Build your print job on a PC using the free MicroDraw software delivered with the printer. Transfer to USB-key and connect to your Micron printer and you are ready to print. The layout can be saved to the internal memory and the USB-key may be removed.

## Easy to integrate and use

The Micron is an 'out of the box' unit. Place an ink-cartridge in the head, connect to power and print instantly by pushing a button. The printer takes up very little space. Not much more than the actual print cartridge itself. This makes it very easy to integrate. Print horizontally or simply change the position of the printer 90° for printing vertically/down.

## Built-in sensor

The Micron printer has an internal sensor. If external sensor is required connect this directly to the printer. The sensor distance is easily selected when designing the print job.

## ½" print height

The HSAJET® Micron runs with 1 HP print cartridge allowing a print height of 12.7 mm.

## Ink Cartridges

A wide range of inks for each application are available: spot colors, UV inks or fast drying inks. The printer allows parameters settings for each ink to reach the best performance in all situations.

## Prints in 300 x 300 dpi

- GRAPHICS
- TEXT (ALPHA NUMERIC)
- COUNTERS
- BARCODES (FIXED)\*
- DATE & TIME (REAL-TIME & ADJUSTED)
- 3 WINDOWS TRUE TYPE FONTS

\* For information on specific barcodes please go to [www.hsasystems.com](http://www.hsasystems.com)

# Technical Details

## HSAJET® MICRON MCHP1

### Technology

HP TIJ 2.5

### Print frequency

15 KHz

### Print height

Up to 12.7 mm / ½"

### Print heads

1 pen integrated

### Print distance

0.5-2.0 mm (nozzle to print surface)

### Voltage

15 V (power supply included)

### Design software

MicroDraw (for WinPC)

### Memory

1 print job in unit

### Print features

Left/Right, Upside-down

### Layout features

Max. length 2400 px (~10 cm in 600 dpi)

Unicode support in text

Object rotation (fixed): free

Object rotation (variable): 180 deg

Works with mm/inch/point/pixel

### Interface

USB 2.0

Encoder input 3-33 V (SUB D9)

In-/Output 3-33 V (SUB D9)

### Signals

Low ink signal (diode)

Print signal (diode)

Built-in sensor

### Complies to

CE directives

### Housing

Stainless steel

### Weight

0.53 kg / 1.17 lbs

Resolution (DPI) (horizontal x vertical)	Max. speed	
	m / min	feet / min
300 x 300 1 row	76	250
150 x 300	152	500
75 x 300	304	1000

### Resolution (Horizontal)

Different resolutions can be chosen between 50 and 600 dpi.

The maximum speed is affected by selection of horizontal resolution, since the frequency of the printhead remains the same.

75 dpi max 302 m/min to 600 dpi max 38 m/min.

### Resolution (Vertical)

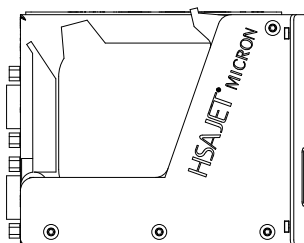
Save ink costs by removing lines from the printed image.

Available options are 300, 225, 200, and 150 DPI (0%, 25%, 33%, 50% ink reduction).

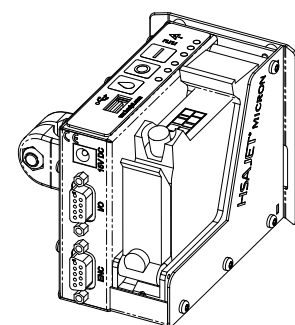
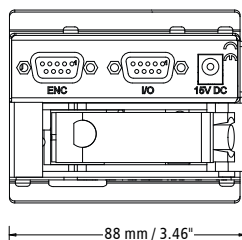
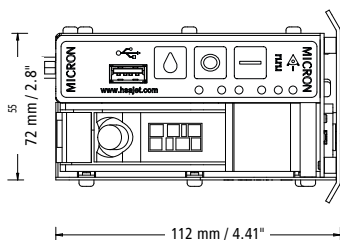
Notice that because of print height being just ½", the number of active dots are 150 to 75.

### Accessories

- USB key (included)
- External sensor
- Encoder
- Bridges & Brackets
- Mountings (Inocon FLK18 mm included)



19.5 mm / 0.8"  
Dist. to print nozzle



MCHP1-R

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