

HSAJET® Printheads HP TIJ 2.5

PREMIUM

New Premium print head for use with a series of new printer controllers utilizing the HP TIJ 2.5 technology

HSAJET® and HP TIJ 2.5 technology

HSAJET® printers use HP thermal inkjet technology TIJ 2.5, providing high-resolution printing up to 600 dpi for sharp text, crisp barcodes and intense spot colours.

Versatile and affordable, HP's advanced inkjet technology powers a wide range of industrial and commercial printing applications - from simple text documents to vivid, complex print jobs on many types and sizes of media.

Robust compact design

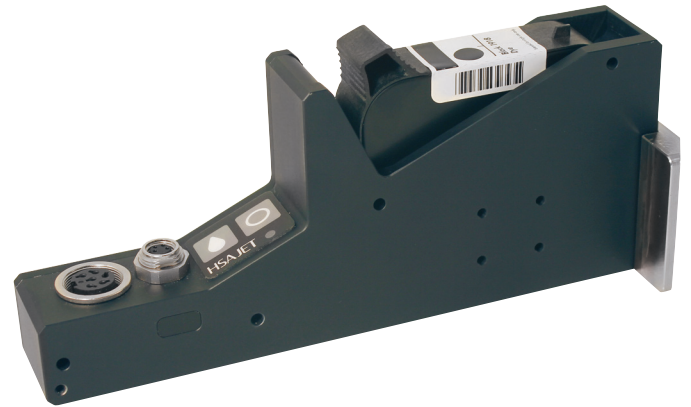
The print head is made from hard anodized aluminium with a stainless steel product foot plate. The stainless steel plate ensures that the print head is 100% free from static electricity. Further it encloses the nozzle area avoiding air turbulence and giving optimum print quality. The shape of the head and the distance from the nozzles to the lowest edge is minimized, so print very near a conveyor belt is possible.

Secure and easy change of cartridge

The easy-shift feature allows changing the printer cartridge with one hand and without using any latch. The design makes it impossible to insert the cartridge incorrectly and a combination of magnets and springs secure a correct position of the print cartridge.

Stackable compact heads

With a minimum effort a number of 0.5" print heads can be joined into 1, 1½ and 2" print head arrays. This makes it possible to expand existing configurations at less cost.



Print head keyboard with LED

From the keyboard on the print head each cartridge can be purged whether it is single heads or stacked heads. An LED indicator lights up when ink is low and can be reset from keyboard when cartridge is changed.

Connectors and head protection switch

Each print head is equipped with industrial connectors for both controller as well as sensor. When stacking heads only 1 controller cable is required. A built-in switch detects when a cartridge is inserted or taken out.

Key Features

- Robust and compact design
- Quick and easy change of cartridge
- Stackable print heads – Join more heads into blocks
- Purge button on head
- Low ink indication and reset button on head
- Industrial connectors
- Built-in print head protection switch
- One and same foot plate for left and right travel of pieces
- Easy to use. No special training required to operate and maintain

Technical Details

PREMIUM PRINTHEADS

Technology

HP TIJ 2.5

Printhead frequency

15 KHz

Print height

12.7 - 50.8 mm / 1/2" - 2"
1 to 4 pens

Print head distance

0.5 - 2.0 mm
(nozzle to print surface)

Interface

Controller:

M16 6 pole Female socket IP67

Sensor:

M8 4 pole Female socket IP67

Signals

Switch signal

Complies to

CE directives

Housings

Aluminium, stainless steel foot plate

Environmental conditions

Operating temp.: 10 - 40° C

Humidity: 10 - 90%

Non-condensing

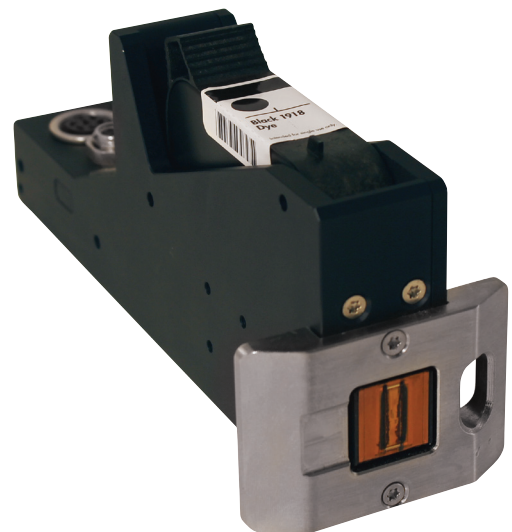
Weight

see details below

Resolution (DPI) (horizontal x vertical)	Max. speed	
	m / min	feet / min
600 x 600	38	125
300 x 300 1 row	76	250
300 x 300 HS	152	500
300 x 150 HS	306	1000
600 x 200 HS	114	375
600 x 300 HS	76	250
300 x 600 1 row	38	125

Accessories:

- Bridges in two standard lengths, special length available on request.
- Printhead mounts (for bridge) for downprint mounting.



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