General

Product Number	24501200
Product Name	HSAJET® Infinity Printhead, 44 mm
Manufacturer	HSA Systems A/S (Designed and Manufactured in DK)

Features

Technology	HP TIJ 4.0
Print Distance	0.5-5.0 mm (from nozzle to surface) Dependent on speed, typically 0.5-3.0 mm
Print Height	Up to 44 mm (1.74") (2 pens)
Max Length	4.0 m @ 200 dpi | 2.7 m @ 300 dpi
Resolution	Up to 1200 x 1200 dpi Horizontal: from 150 to 1200 dpi (variable dpi) Vertical: 600 or 1200 dpi
Frequency	72 KHz max.
Print Speed (Examples)	Up to: 61 m/min @ 1200 x 1200 dpi 122 m/min @ 1200 x 600 dpi 244 m/min @ 1200 x 300 dpi 488 m/min @ 1200 x 150 dpi
Print Direction	Vertical and horizontal firing positioning
Cartridge Management	Automatic detection and pairing of print cartridge and bulk cartridge, auto adjustment of ink parameters, monitoring of ink level
Print Cartridge Throughput	Est. life: 5.0 liters (Minimum ink throughput before the print cartridge needs to be replaced. Application dependent.)

Layout Options

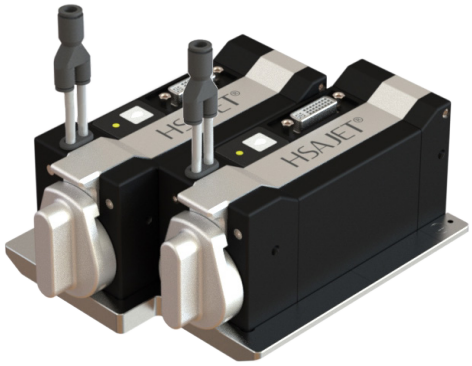
Content	Barcodes, alphanumerical text in all languages, dates, counters, shift codes, graphics. Print from: databases, variable PDF, external data. See datasheet for InkDraw 3 software for more details

Interface

Controller	DVI-I (24+5) female socket
LED Indicator	Indicates if the printhead is ready for print
Purge	Purge button on printhead
Sensor	Built-in sensor. External sensor can be connected directly to controller or via Interface box

Physical Details

Housing	Anodised aluminium, black and natural
Sole	CrN treated aluminium
Dimensions	173 x 135.6 x 70 mm (LxWxH)
Weight	1.585 kg (product only)



The HSAJET® Infinity Printhead provides a print height of up to 44 mm. HSAJET® Infinity printers MkII are an excellent choice for coding and marking applications for secondary and primary packaging, replacement of box labels, variable data printing, as well as addressing and mailing applications. Infinity's Smart Servicing technology prevents nozzles from drying, ensuring crisp, clean print results even after extended idle periods.

Electrical Requirements

Power	48 VDC | 2 x 2A
Power Supply	Powered by controller

Compliance and Regulations

Complies to	CE, UKCA

In the Box

24501200	HSAJET® Infinity Printhead, 44 mm
S6010470	HP Air Purge Cap
S6012220	Legris Equal Single Y Piece - Ø6/Ø6/Ø6

Parts of the Infinity Print System

Required Parts (depending on configuration)	HSAJET® InfinityController, 44 mm or 88 mm MkII HSAJET® Infinity Printheads (22, 44, 66, and/or 88 mm) HSAJET® Infinity Single Bulk System MkII HSAJET Infinity Interface Box w/ Control Signal Infinity InkDraw 3 Software License incl Event+PDF Cable DVI/I (24+5) M-M, printhead cable (2, 3, or 5 m)
InkDraw Add-Ons	Infinity InkDraw 3 Option: Mail Tool Infinity InkDraw 3 Option: Integration Tool
Consumables	HSAJET® K3011-MRC 22mm Smart Servicing Print Cartridge HSAJET® K3011-HBC Premium Black Bulk Ink Cartridge (775ml) 9T3V1A HP 22mm Smart Servicing Print Cartridge HP2041 Fast Dry Black Ink Bulk Ink Cartridge (775ml)
Accessories (optional)	Monitor, keyboard, mouse PNP sensors, encoders, and beacon Magnetic Protection Cap Purge Container f/Infinity Large selection of brackets for installation on production lines (see accessories list)

The information presented in this data sheet is obtained under specific conditions. No guarantee is given to the accuracy or correctness of the information.
We reserve the right to make changes to functionalities of the product and the content of this data sheet without prior notification.

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