## General

| | |
|---|---|
| Product Number | 24501100 |
| Product Name | HSAJET® Infinity Printhead, 22 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)<br>Dependent on speed, typically 0.5-3.0 mm |
| Print Height | Up to 22 mm (0.87") (1 pen) |
| Max Length | 4.0 m @ 200 dpi \| 2.7 m @ 300 dpi |
| Resolution | Up to 1200 x 1200 dpi<br>Horizontal: from 150 to 1200 dpi (variable dpi)<br>Vertical: 600 or 1200 dpi |
| Frequency | 72 KHz max. |
| Print Speed (Examples) | Up to:<br>61 m/min @ 1200 x 1200 dpi<br>122 m/min @ 1200 x 600 dpi<br>244 m/min @ 1200 x 300 dpi<br>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<br>(Minimum ink throughput before the print cartridge needs to be replaced. Application dependent.) |

## Layout Options

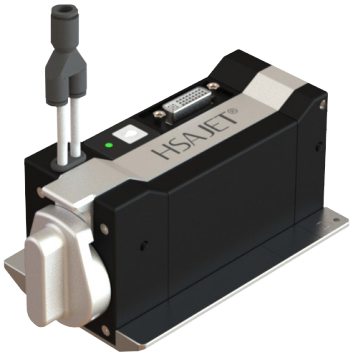
| | |
|---|---|
| Content | Barcodes, alphanumerical text in all languages, dates, counters, shift codes, graphics.<br>Print from: databases, variable PDF, external data.<br>See datasheet for InkDraw 3 software for more details |

## 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 | 151 x 85 x 70 mm (LxWxH) |
| Weight | 0.824 kg (product only) |




The HSAJET® Infinity Printhead provides a print height of up to 22 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 \| 2A |
| Power Supply | Powered by controller |

## Compliance and Regulations

| | |
|---|---|
| Complies to | CE, UKCA |

## In the Box

| | |
|---|---|
| 24501100 | HSAJET® Infinity Printhead, 22 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<br>HSAJET® Infinity Printheads (22, 44, 66, and/or 88 mm)<br>HSAJET® Infinity Single Bulk System MkII<br>HSAJET Infinity Interface Box w/ Control Signal<br>Infinity InkDraw 3 Software License incl Event+PDF<br>Cable DVI/I (24+5) M-M, printhead cable (2, 3, or 5 m) |
| InkDraw Add-Ons | Infinity InkDraw 3 Option: Mail Tool<br>Infinity InkDraw 3 Option: Integration Tool |
| Consumables | HSAJET® K3011-MRC 22mm Smart Servicing Print Cartridge<br>HSAJET® K3011-HBC Premium Black Bulk Ink Cartridge (775ml)<br>9T3V1A HP 22mm Smart Servicing Print Cartridge<br>HP2041 Fast Dry Black Ink Bulk Ink Cartridge (775ml) |
| Accessories (optional) | Monitor, keyboard, mouse<br>PNP sensors, encoders, and beacon<br>Magnetic Protection Cap<br>Purge Container f/Infinity<br>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.



HSA Systems A/S | Herluf Trolles Vej 116C | DK-5220 Odense SØ
www.hsasystems.com | mail@hsasystems.com | +45 6610 3401