

# HSAJET® Infinity Printers

High Speed – High Quality – High Productivity



Game-changing  
printing solution  
for product coding  
and mailing  
applications

# Infinity Printers



## Ideal Coding Solution for High-Capacity Product Marking and Commercial Printing Applications

The HSAJET® Infinity printers are an excellent choice for secondary and primary packaging in coding and marking applications, replacement of box labels, variable data printing, as well as addressing and mailing applications.

Infinity printers are built upon the innovative HP TIJ 4.0 technology, which is perfect for high-volume printing applications that demand high speed and high-resolution coding.

## Infinity Printheads for up to 88 mm Print Height

The Infinity printheads are available in four print height versions: 22 mm, 44 mm, 66 mm, and 88 mm respectively.

Each single printhead enables a large print swath of up to 22 mm print height with no stitching at up to 1200 spi, which enables printing of a large variety of information in high resolution.

Well-suited for high resolution printing of all types of barcodes, e.g., 1D and 2D codes, alphanumeric texts, date & time, addresses, batch and lot number, counters, shift codes, and graphics.

“Print to infinity and beyond!”

## Infinity Printheads

- Infinity printheads are available as:  
22 mm (1 pen), 44 mm (2 pens), 66 mm (3 pens), and 88 mm (4 pens)
- Ink supply from HSAJET® 22mm print cartridge and 775 ml bulk ink cartridge
- Locked latch for secure installation of print cartridge
- Purge button on printhead



## Infinity Controllers with InkDraw 3

Infinity Controllers are powerful industrial printer controllers in stainless steel built with an HSA Systems PCI express controller and I/O boards. Infinity Controllers are installed with the InkDraw 3 software, which is one of the most versatile software packages for inkjet printing available on the market. Among other features, the Infinity printers offer database connectivity for print from a range of databases, as well as direct print from PDF files.

InkDraw 3 software can be used for different productions and industries and meets the demands within product identification, as well as mailing, postal, and commercial printing.



Infinity Controller, 44 & 88 mm  
(44 mm controller shown in photo)

## Infinity Bulk Systems for High Volume Ink Supply

Infinity Bulk system is ideal for high speed and high-volume printing ensuring stable and high volume ink supply to the printheads. 775 ml bulk ink cartridges are inserted in the Infinity Bulk system to supply ink to the Infinity printheads, where the 22 mm print cartridges are installed. The bulk ink cartridges can be replaced in less than a minute without specific operator training, allowing seamless continuation of production.



Infinity Bulk Supply Station

## Infinity Interface Box with LED Control Signal

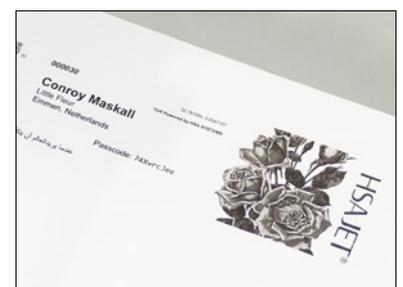
The Infinity Interface Box with LED control signal is an essential accessory for the HSAJET Infinity Controller. It simplifies installation by allowing direct wire connections via terminal blocks, eliminating the need for soldering. The box supports multiple input/output configurations and includes connection for product sensor. It features LED's for easy visual verification of signal functionality, ensuring efficient and reliable control and connectivity for various applications.



Infinity Interface Box

## Key Features

- Print high resolution images at up to 1200 dpi
- Print from PDF for secure handling of print data
- High speed printing of up to 365 m/min @ 1200x300 dpi
- Fast and easy change of the 775 ml bulk ink cartridge
- User friendly software for easy creation of print design and management of print data
- Practically maintenance-free solution which reduces the risk of handling errors
- Increased uptime with HSAJET® Infinity bulk system for high volume printing



## Accessories for easy maintenance of HSAJET® Infinity Printheads

The print cartridge can stay in the printer overnight and between productions thanks to the magnetic protection cap preventing the nozzles from drying out. The rotatable down print bracket makes it easy to clean the printhead nozzles without removing the print cartridge from the print stall.



Magnetic protection cap

Rotatable down print bracket

# HSAJET<sup>®</sup> Infinity Printer Series

## European High-Quality Printers

The Infinity printers are made from high-quality aluminium and steel parts, manufactured at our locations in Denmark and the Czech Republic.

Our printers, software, and accessories are proprietary, in-house developed at our R&D sites in Denmark, to ensure the highest level of quality and control.

Technical details	
Technology	HP TIJ 4.0
Print Height	Up to 88 mm - 22 mm (0.87") per printhead
Print Distance	1-5 mm (nozzle to print surface) Dependent on speed, typically 0.5-3.0 mm
Resolution	Up to 1200 x 1200 dpi
Print Speed	Up to 365 m/min @ 1200x300 dpi
Print Direction	Vertical and horizontal firing positioning Special brackets for vertical and horizontal printing
Software	InkDraw 3, incl. Event and PDF Tool
Variable Print Data	1D & 2D codes, alphanumeric text, numbers, counters, time & date, shift codes, graphic, addresses etc.
Print from Database	xlsx, csv, txt and pdf
Optional Print Features	Integration Tool, Mail Tool
Interface	USB, Serial, Ethernet
Replaceable Cartridge	HSAJET <sup>®</sup> 22mm Print Cartridge
Printhead Throughput	1200 ml (Average ink throughput before the printhead needs to be replaced. Application dependent)
Ink Supply	HSAJET <sup>®</sup> Bulk Ink Cartridge (775 ml)

Check technical datasheets for each product for more details.

## User-friendly application that eases your everyday production

- Minimum operator interference: The 22 mm print cartridge and the 775 ml bulk ink cartridge can be replaced in minutes without specific operator training, allowing seamless continuation of production
- Special HSAJET<sup>®</sup> capping system ensures that the printhead can stay in the print stall between productions
- The HSAJET<sup>®</sup> rotatable down print bracket allows cleaning of the printhead nozzles without removing the printhead from the print stall
- Built-in warnings for low ink level, printhead cleaning etc. ensure premium print results
- Flexible and user-friendly software

## Designed for industrial environments with work safety in mind

- Reliable and robust high-performance printer for rough industrial environments
- Long lifespan of the durable 22 mm print cartridge
- Clean and closed system for a secure working environment
- No need for special ventilation
- No need for harsh cleaning fluids



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