HSAJET® Infinity Printers MkII

Next-level performance without compromising on quality

Powerful printing solution for product coding and mailing applications

HSA systems

A UNIQUE IMPRINT

HSAJET®

Infinity Printers MkII

HSAJET®

Smart Servicing technology for low maintenance and perfect prints

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

HSAJET® Infinity MkII is the next generation of high-performance Infinity Printers: an excellent choice for tertiary, secondary, and primary packaging in coding and marking applications, direct-to-box printing, variable data printing, as well as addressing and mailing applications.

Infinity printers are built upon the powerful TIJ 4.0 technology from HP, which is perfect for high-volume printing applications that demand high-speed and high-resolution coding, while keeping ink consumption costs down.

The perfect printer to combine various product information, graphics, branding, and shipping information in one layout for print directly on boxes and replacing labels.

New Smart Servicing Technology for Maximum Uptime

Infinity's Smart Servicing technology prevents nozzles from drying, ensuring crisp, clean print results even after extended idle periods. Ideal for intermittent printing or frequent job changes - without the need for capping or cleaning cartridges between runs.

With the new Smart Servicing technology, Infinity MkII is a truly low-maintenance solution, ensuring less waste and maximum uptime.
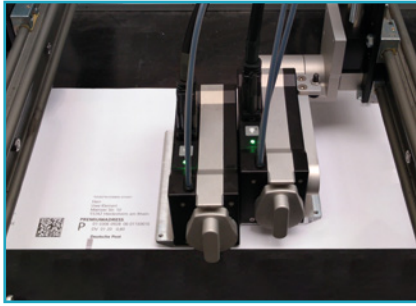

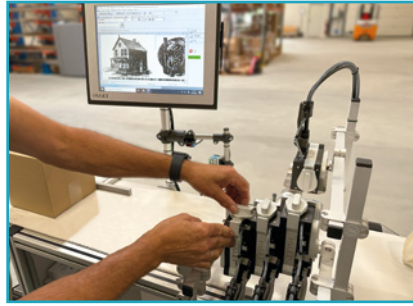Large print swath for print of various product, branding, and shipping information directly on boxes

High-speed and high-resolution printing of variable data and images

Infinity Printers MkII

High Performance

- High-speed printing of up to 488 m/min @ 1200x150 dpi
- High uptime with HSAJET® Infinity bulk system for high-volume printing
- Quick and easy change of the 775 ml bulk ink cartridge
- Fast and controlled processing of variable data from databases and PDF files

Minimise Downtime

- User-friendly software for easy creation of print design and management of print data
- Low-maintenance solution which reduces the risk of handling errors
- Limited need for capping or cleaning cartridges between runs - printer is immediately ready to print after production stops

High-Quality Prints

- Print high resolution images at up to 1200 dpi x 1200 dpi
- Up to 88 mm print heights in total
- Print on multiple sides
- Combine product, shipping, and branding information in one layout
- Smart Servicing technology ensures clean, crisp prints every time

Infinity Controllers with InkDraw 3 and PDF Tool

Infinity Controllers are powerful industrial printer controllers 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.
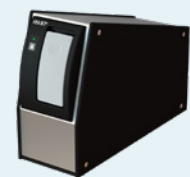
The user-friendly InkDraw 3 software can be used for different productions and industries and meets the demands within product identification, as well as mailing, postal, and commercial printing.

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

Infinity Bulk Systems for High Volume Ink Supply

The Infinity Bulk system is ideal for high-speed and high-volume printing, ensuring stable, 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.

Infinity Bulk Supply Station

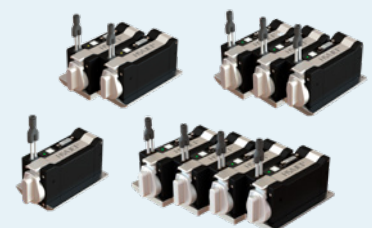## Infinity Interface Box for Reliable Control and Connectivity

The Infinity Interface Box simplifies installation by allowing direct wire connections via terminal blocks. The box supports multiple inputs/outputs configurations (see table) and includes connection for product sensors. It features LEDs for easy visual verification of signal functionality, ensuring efficient and reliable control and connectivity for various applications.

Infinity Interface Box

Infinity Printheads

- Infinity printheads are available as: 22 mm (1 pen), 44 mm (2 pens), 66 mm (3 pens), and 88 mm (4 pens)
- Combine up to 4 individual printheads for print on multiple sides simultaneously
- Easily replaceable and maintenance-free 22 mm print cartridges with Smart Servicing technology
- Locked latch for secure installation of print cartridge
- Purge button on printhead

Infinity Printheads:
22 mm, 44mm, 66 mm, and 88 mm

HSAJET®
Infinity Printers MkII

High-Quality Printers Made In Denmark

The Infinity printers are made from high-quality aluminium and steel parts manufactured in Denmark. 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 with μRC
Print Height	Up to 88 mm - 22 mm (0.87") per printhead
Print Distance	1-5 mm (nozzle to print surface) Dependent on speed and application, typically 0.5-3.0 mm
Resolution	Up to 1200 x 1200 dpi
Print Speeds (Vertical x Horisontal)	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 Special brackets for vertical and horizontal printing
Software (Standard)	InkDraw 3, incl. Event and PDF Tool
Software Extensions	Integration Tool, Mail Tool
Variable Print Data	1D & 2D codes, alphanumeric text, numbers, counters, time & date, shift codes, hi-res graphics, addresses etc.
Print from Database	xlsx, csv, txt and pdf
Inputs via Interface Box	Disable printmode Disable sensor
Outputs via Interface Box	3 x Tracked event outputs 1 x Printmode ON 2 x User defined outputs (options): - Printing (active during a print of a layout) - End-of-print (database complete, job done) - Ink system ready - Failure
Interface	USB, Serial, Ethernet
Replaceable Cartridge	HSAJET® and HP 22mm Smart Servicing Print Cartridges
Cartridge Throughput	**5000 ml ink (Average ink throughput before the print cartridge needs to be replaced. Application dependent)**
Ink Supply	Aqueous inks supplied in HSAJET® and HP Bulk Ink Cartridge (775 ml)

Check technical datasheets for each product for more details.

User-Friendly Application that Eases Your Daily Operations

- 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

- Limited need for capping or cleaning cartridges between runs - printer is immediately ready to print after production stops

- The HSAJET® 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

- Versatile 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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HSA Systems

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