HSAJET® MCX Printer Series

Small in Size - Great in Performance

Maintenance-free coding and marking solution, elevating ease of use, production reliability, and quality control to the next level.

Effortless, High-Quality Industrial Coding and Marking

HSA SYSTEMS
A UNIQUE IMPRINT

HSAJET®

A Truly Unique Imprint

Engineered for fast line speed and high out-put, MCX prints both simple and complex layouts at a rapid pace with no compromise in quality.

Fast and Simple Installation

- Plug & Play solution - from installation to print in no time
- Compact and versatile - integrates easily into any type of production line
- Pre-stitched printers make installation quick and straightforward
- Large range of HSA brackets for horizontal and vertical print position

Extremely Operator-Friendly

- No training required
- Simple and secure operation from intuitive touch interface
- Clean, maintenance-free solution
- Easy, on-the-fly adjustment
- Latch-free design for fast and easy change of ink cartridges

Maximum Output and Quality Control

- Consistent, high-quality prints at high speed
- Coded system for maximum quality control
- Enhanced user control of print job and dataflow via remote communication

MCX Printers

MCX Satellite

Flexible Multi-Head Solution for a Versatile Print Production.

Designed to simplify your workflow, MCX Satellite enables you to print in various positions or on multiple sides of an object simultaneously. Combine up to four individual printheads and operate them all from a single user interface.

MCX Compact

Compact Solution for a Compact Production Environment.

MCX Compact is a small, compact solution easy to integrate into production units such as label dispensers, flow packers, webs, or other production lines where space is limited or where a small compact solution is desired.

MCX Compact SBS

Continuous Production and Dual-Colour Printing.

The SBS printer consists of 2 pens placed side by side for a print height of 0.5''. It is designed for dual cartridge non-stop printing at 9:1 or 6:4 ratios, which makes it possible to service and change the cartridge during print production.

Coded System for Maximum Quality Control and Security

Thanks to the coded system with HSAJET® smart card cartridges you are ensured maximum quality control.

- Automatic detection of ink cartridge
- Automatic ink parameter settings
- Real-time ink level information and low ink warning
- Protection against counterfeit cartridges
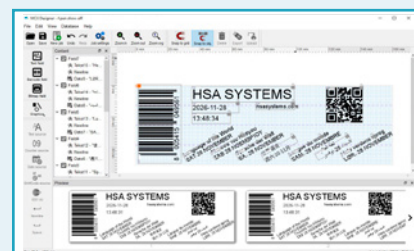- Best print performance in all situations

MCX UniDraw - Exceptional Design Freedom

The intuitive UniDraw design software has all the features you need for easy print job design. From the software, you can set up whatever print job you need for easy marking of your products and packaging.

MCX Printers Are Made for the Globalised World

Design and print texts in any language. Printer and software are 100% Unicode compatible, and support all languages, fonts, and writing systems.

User interface in software and controller can be displayed in all languages and writing systems. New menu languages can be added on the fly.
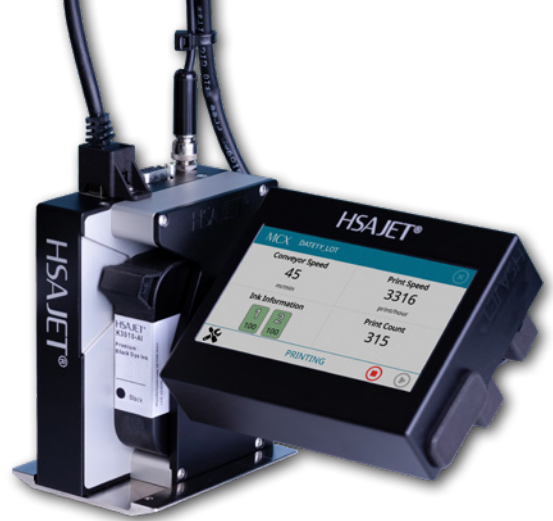
HSAJET®
MCX Printer Series

European High-Quality Printers

The MCX printers are made from high-quality aluminium and steel parts, manufactured at our locations in the Czech Republic and 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 2.5 w. Smart Card technology
Printers / Printheads	HSAJET® MCX Satellite 0.5''-2.0'' Printheads (1-4 pens) HSAJET® MCX Compact 0.5"-2.0" Printers (1-4 pens) HSAJET® MCX Compact 0.5" Printer (2 pens) SBS
User Interface	HSAJET® MCX 4.3" Touch Controller HSAJET® MCX 4.3" Touch Controller - Panel Mount
Connections	MCX Satelite Main Unit
Design Software	MCX UniDraw for Windows (Win 10, 64-bit, or later versions required)
Print Height	Up to 50.8 mm (2") - 12.7 mm (0.5") per printhead
Print Distance	0.5 - 5.0 mm (from nozzle to surface)
Resolution	Horizontal: from 100 to 2400 dpi (variable dpi) Vertical: 300 or 600 dpi
Max Length	4.0 m @ 200 dpi | 2.7 m @ 300 dpi
Print Speed	Up to 182 m/min @ 300x300 dpi Higher speeds can be achieved at lower dpi
Languages	Language packages included: English, Chinese (simplified & traditional), Danish, Dutch, French, German, Italian, Japanese, Portuguese, Russian, and Spanish Full Unicode support. User interface, menus, and keyboard can be translated into any language
Smart Card Features	Automatic detection of ink cartridge, auto adjustment of ink parameters, monitoring of ink level
Remote Control	Protocol (included): Load, start, stop, and requests. Extended protocol (optional): Modification of parameters and content of fields on print layout, user managed buffer mode
Flight Mode	Live fine-tuning of print alignment / offsets without stopping the line
Encoder Rollback	Detection of print position enabling media to reverse without losing print position
Pin Protection	Pin codes for protection of print jobs can be set up in the UniDraw software
Ink Cartridges	Large range of HSAJET® HP45si and HP45ai cartridges with smart card available in black, white, and various colours for most substrates
Accessories	Beacon, encoder, and sensor (built-in sensor included) I/O Interface box, large selection of brackets

Layout Options	
Barcodes	Variable barcodes, various types of 1D and 2D barcodes, GS1 barcodes
Graphic	jpg, png, and bmp, automatic dithering, scalable graphics
Text	Bold/italic/underline, left/right/centre alignment, unlimited number of characters, alphanumerical text in all languages, full Unicode support in text.
Date & Time	Free definition of date format, unlimited date format strings, localised date formats, real time and adjustable
Counters	Free counter formatting, digit count and thousand-digit separators
Shift Codes	Unlimited number of rules without string length limit
Languages	All languages, fonts and writing systems are supported
Object Options	Free rotation of objects, limitless content length, link between content, multiple type of data per field
Smart Content Relations	Field content can be linked from one to another, the destination may be formatted differently. Relations make duplicate input unnecessary
Dataset & Product Lists	A dataset (CSV) can be added to the layout to print as a list. The dataset can also be used as a product list to use the layout as a template on the printer

Check the technical datasheets for each product for more details.

Loftware

MCX Printers are compatible with Loftware label design software.

hp Inkjet Technology Licensee
HSA Systems

HSA SYSTEMS
A UNIQUE IMPRINT

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READ MORE ABOUT HSAJET® MCX PRINTERS
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