HSAJET®
MCX Printer Series

Small, powerful printers for coding and marking applications

Small in size - Great in performance

Top of line print quality for product marking

Small and compact in size but with a big personality, the MCX printers are powerful and versatile printing solutions.

Designed to ensure top of the line print quality, the MCX printers simply deliver unique sharpness even when printing at high speed.

The MCX printers are the perfect fit to the coding requirements within a large variety of industries, such as pharmaceutical, food, beverage, cosmetic, personal care, veterinary and construction.

Automatic ink detection

The MCX printers use HSAJET® ink cartridges with smart card technology. This ensures automatic detection of the ink cartridge and automatic ink parameter adjustment, as well as real time ink level information.

Inks for almost all types of material

Within our large range of HSAJET HP45si and HP45ai cartridges you find black, white, and various colours for almost all types of material such as paper, labels, corrugated cardboard, coated cartons, plastic, foils, blisters, tyvec, metal, glass, wood, and gypsum.

Powerful performance

Equipped with a powerful engine, the MCX printers deliver high-speed, high-resolution coding and marking, with no performance reduction regardless of layout length and content. Able to print more than 150 prints per second, the MCX printers equal high productivity.

Designed with the operator in mind

The 4.3" touch controller and the user-friendly interface make operating the printer easy and intuitive. The controller offers a wide set of options to set up the printer, handle the print job and maintain the printer. It also lets you test various functions to ensure the printer is set up correctly.

Once installed and up and running, the MCX printers require very little maintenance.

MCX 0.5'' SBS printer for non-stop printing

The MCX printers are available in two standard versions: The MCX 0.5" Printer (1 pen) and the MCX 1.0" Printer (2 pens).

Additionally, we introduce the specially designed MCX 0.5" Printer (2 pens) SBS, which is ideal for continuous and high-volume print applications providing high speed of up to 360 m/min. It is designed for dual cartridge non-stop printing, which makes it is possible to service and change the cartridge during print production.

HSA SYSTEMS
A UNIQUE IMPRINT

HSAJET®
MCX Printer Series

Intuitive, easy-to-use design platform

The MCX Software offers you an intuitive, easy-to-use design platform from where you create your print job layouts.

You are given great freedom when designing print jobs for the MCX. The software lets you scale, rotate, place, and format freely. You can add as much content as you please.

As a completely new feature you can upload images in .jpg, .png, and .bmp formats to the software. The software offers automatic dithering, and the image is prepared for print in no time.

The software is **100% Unicode compatible,** supports all script types, comes with extensive content libraries, and many more useful features.

Layout options	
Barcodes	Variable barcodes, large library with standard barcodes, including Datamatrix and QR codes, GS1 barcodes
Graphic	jpg, png, and bmp, automatic dithering, scalable graphics
Text	Freely scalable fonts, bold/italic/underline, left/right/center 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	No string limit, no rule content link
Object options	Free rotation of objects, limitless content length, link between content, multiple type of data per field

Technical details	
Technology	HP TIJ 2.5 w. Smart Card technology
Printers	HSAJET® MCX 0.5" Printer (1 pen) SC HSAJET® MCX 1.0" Printer (2 pens) SC HSAJET® MCX 0.5" Printer (2 pens) SBS SC
Controller	HSAJET® MCX 4.3" Touch Controller TFT LCD (resistive touch screen)
Print height	Up to 25.4 mm (1") - 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
Software	MCX software for Windows (Win 10, 64-bit, or later versions required)
Smart card features	Automatic detection of ink cartridge, auto adjustment of ink parameters, monitoring of ink level
Encoder roll back	Detection of print position enabling restart of print in correct position
Ink cartridges	Large range of HSAJET HP45si and HP45ai cartridges with smart card available in black, white and various colours for most substrates
Optional	Beacon, encoder and sensor (built-in sensor included) I/O Interface box, large selection of brackets

* Check the technical datasheets for each product for more details

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CHECK OUR WEBSITE FOR LATEST REVISION OF THIS DATASHEET

www.hsasystems.com | mail@hsasystems.com