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LIBERTY
PACKAGING SYSTEMS

MCX PRINTER SERIES



Small in Size - Great in Performance

Top of the 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. 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.

MCX Printers Equal High Productivity

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.

Designed with the operator in mind

With the 4.3" touch controller and the user-friendly interface it is easy and intuitive to operate the printer. The controller offers a wide set of options to set up the printer, handle the print job and maintain the printer. Once installed and up and running, the MCX printers require very little maintenance

Automatic ink detection

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

All Languages, Fonts and Writing Systems are Supported

You can design and print texts in any language, font, and writing system. You can even mix different languages in the same layout.

MCX printers support localised date formatting, which allows you to format and print dates as specified in any region of the world.

User interface in software and controller can be displayed in all languages and writing systems, and new menu languages can be added on the fly.

MCX 0.5" SBS printer for non-stop printing

The MCX printers are available in four standard versions for print heights of up to 2". Additionally, we introduce the specially designed MCX 0.5" Printer (2 pens) SBS, which is ideal for continuous and high-volume print applications. It is designed for dual cartridge non-stop printing, which makes it possible to service and change the cartridge during print production. The MCX 0.5" SBS printer also enables dual colour printing and double resolution printing.

Inks for virtually all types of materials

Within our large range of HSAJET® HP45si and HP45ai cartridges you find black, white, and various colours for almost all types of material: Paper, cardboard, plastic, foils, blisters, metal, wood, glass, gypsum, etc.

LPS - Printing & Packaging Made Easy

Exceptional design freedom

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.

Upload images in JPG, PNG, and BMP formats to the software, and they are instantly usable. The MCX software offers automatic dithering, and the image is prepared for printing in no time.

Printer and software are **100% Unicode compatible**, support all languages, fonts and writing systems. Simply import any font to the software and printer, and it is instantly ready for use.



Specifications

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 1.5" Printer (3 pens) SC HSAJET® MCX 2.0" Printer (4 pens) SC HSAJET® MCX 0.5" Printer (2 pens) SBS SC
Controllers	HSAJET® MCX 4.3" Touch Controller HSAJET MCX® 4.3" Touch Controller - panel mount
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 182m/min @ 300x300 dpi
Software	MCX Software for Windows (Win 10, 64-bit, or later versions required)
Languages	Language packages included: English, 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 with access to files, content, parameters and functions
Flight mode	Live fine tuning of print alignment / offsets without stopping the line
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	
Barcode	Variable barcodes, large library with standard barcodes, including all types of 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, alphanumeric 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, linkbetween 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

The MCX printers are made from high-quality aluminium and steel parts, supplied to you by Liberty Packaging Systems