

Optimal availability in the marking solutions

Zero Down Time Print

Markoprint ZDP enables continuous printing in ongoing production.

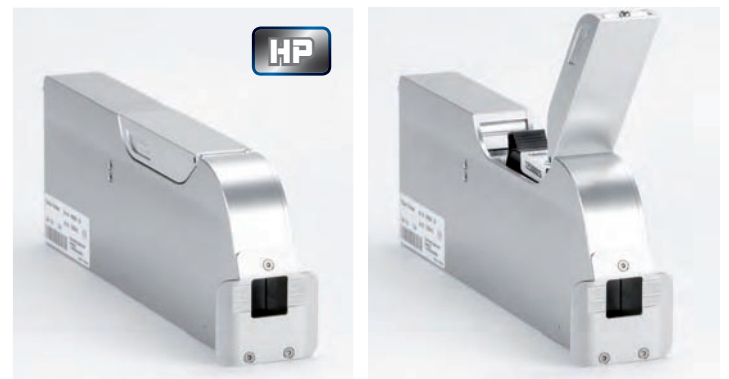
- Cartridge replacement or cleaning without stopping production
- Alternate printing from the different cartridges prevents the ink from drying
- Designed for HP and LX printheads
- Up to 25 mm print height with a parallel twin printhead
- Signal exchange for pharmaceutical applications with a camera: In the event of a misprint, the cartridge responsible is stopped while the second continues printing error-free



Shutter Printhead HP

The Markoprint HP nozzle seal is effective in protecting the ink from getting contaminated or drying out.

- Nozzle plate closes automatically when nothing is being printed
- If an additional light barrier detects that the production line has restarted, the cartridge in the printhead is returned to the print position
- Clean printing is guaranteed even after several days of downtime
- Pressure in the housing prevents dust getting in (via external compressed air supply)



Maximum flexibility thanks to a wide variety of integration possibilities

High-speed controllers for all Markoprint printheads

The compact and robust controllers XB4JET and XB8JET are used to control the inkjet printheads for product marking solutions. The following Markoprint printing technologies are supported: Hewlett-Packard, Funai, Trident.

- Simultaneous marking of primary and secondary packaging using a controller
- Printing on up to two production lines with the XB4JET and up to four production lines with the XB8JET
- Perfect for fixed installation in control cabinets as it offers full remote control capabilities through different interfaces
- Print layout can be designed using the iDesign software included in the scope of delivery
- Print layouts are sent to the XB4JET and XB8JET using the network connection, EIA232, USB interface or a USB stick

Markoprint XB4JET

to connect up to four printheads. Print heights with HP and LX printheads up to 50 mm; with MX, up to 400 mm.



Markoprint XB8JET

to connect up to eight printheads. Print heights with HP and LX printheads up to 100 mm; with MX, up to 800 mm.



Print solutions fit for the future

Markoprint X1JET XR

The new printing system from Markoprint is based on the tried-and-test XAAR Piezo technology. As well as the printhead, the compact housing of X1JET XR also includes the ink system, cleaning station and control electronics.

- High resolution printing with 180 dpi and a print height of up to 54 mm including bar codes and graphics
- Easy nozzle cleaning thanks to the integrated maintenance station
- Pigmented oil-based ink for absorbent surfaces
- The 382 nozzles of the printer can be controlled individually



Markoprint X1JET HP Premium

Compact, independently functioning printhead for easy integration into existing production environments.

- Also available with iCode cartridges monitoring to automatically detect the ink type in use and the setting of the corresponding parameters (e.g. ink level)
- Subject to variable control via an interface
- Stores up to nine print images
- Integrated photo sensor to activate printing automatically



Markoprint X1JET HP Stitch

The unique small controller and printer is combined in one unit.

- Stackable for using more than one at a time
- Can be used in confined installation conditions
- Particularly advantageous when installing several printers e.g. with a multi-line thermoform packaging plant to print several print images simultaneously
- Electronics are mounted behind the cartridge to save space



Markoprint X2JET Touch and X4JET Touch

Intelligent high-speed control systems for demanding marking applications. Three printing technologies can be controlled simultaneously.

- Touch surface to operate the system easily
- Parallel operation using a standard keypad and function keys
- Networking possibilities using TCP/IP, USB and EIA232
- Possibility of printing on up to two production lines
- Simultaneous marking of primary and secondary packaging using a controller



Subject to technical alterations at any time.

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