

Technical specifications Markoprint X4 Jet

Number of print heads	1 to 4
Maximum speed at 300 dpi	HP printhead: up to 590'/min (180 m/min)
Recommended speed for barcode applications (300 dpi)	Up to 196'/min (60 m/min)
Number of production lines	2
Maximum resolution - horizontal	50 to 900 dpi
Maximum resolution - vertical	300-600 dpi
Print/symbol height	0.03 to 0.98 inches (1 to 25 mm)
Printhead distance	Maximum 0.19 inches (5 mm)
Maximum text length	118 inches (3 m) for PRO version
Text memory	Unlimited
Display size	3.5 inches x 4.5 inches TFT display
Text fields	✓
Counter	✓
Shift code	✓
Date fields	✓
Date offset	✓
Logo	✓
Variable	✓
Active fields	✓
Barcodes	✓
2D barcodes	✓
USB stick backup	✓
Ethernet	✓
EIA232	✓
USB	✓
Inputs & outputs	Sensor (M8), rotary encoder (M8), 8 inputs/8 outputs, stack light alarm
Power supply	90 to 240 VAC, 50/60 Hz/max 100 W
PC software	iDesign
Special functions	Data transfer/backup via USB stick, database link, text compilation in the system
Optional Pro Version Features	Up to 118 Inches (3M) text length, data base print, password protection

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Inkjet Coder Markoprint X4 Jet HP

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X4Jet Plus Touch

Friendly and flexible universal controller with intuitive touch

The Markoprint X4Jet high-performance controller has a “plus” in operator convenience with its intuitive input unit. All system parameters can be easily and quickly entered, saved and recalled via the integrated full keypad. The resistive high-resolution 5.7” touch display responds to pressure, so that operation is also possible with gloves or a pen.

The X4JET is suitable as a tabletop or wall-mounted device, but can also be mounted directly on the production line. Due to the integrated print image design, the X4JET can be used as a “stand alone” system. No iDesign8+ software is required for creating or changing print images.

Print direction reversal and PLC text assignment are possible. Data selection is made via USB, network connection (LAN) or standard interface EIA-232.

X4Jet Controller

- Optimized for operation at the production line
- Control up to 4 print heads
- Multi-channel programming for using different printing technologies from one controller
- 5.7” touch screen and keypad for easy operation

Universal and flexible application

Markoprint X4 Jet plus uses all usable True Type fonts. All conventional 1- and 2-dimensional codes may be printed. Up to 4 single print heads can be controlled at one time on 2 separate production lines.

The print heads can be individually adjusted to the respective requirement: Up to four Single print heads, or up to two Twin print heads, or one single Quadro head. In this way, the print heads can be used in a production line for both-sided printing of products, or even on separate lines.

Printing with different texts, bar codes, logos and variable 2D GS1 Data Matrix codes on primary or secondary packaging, with different start and print speeds is possible.

- Highly efficient design
- Simple integration into packaging systems and conveyors
- Printing height up to 2” (58 mm) using 1 Quadro print head

Control and operation

Data is selected via USB, network connection (LAN) or standard EIA-232 interface. The print layout may be created with included iDesign software.

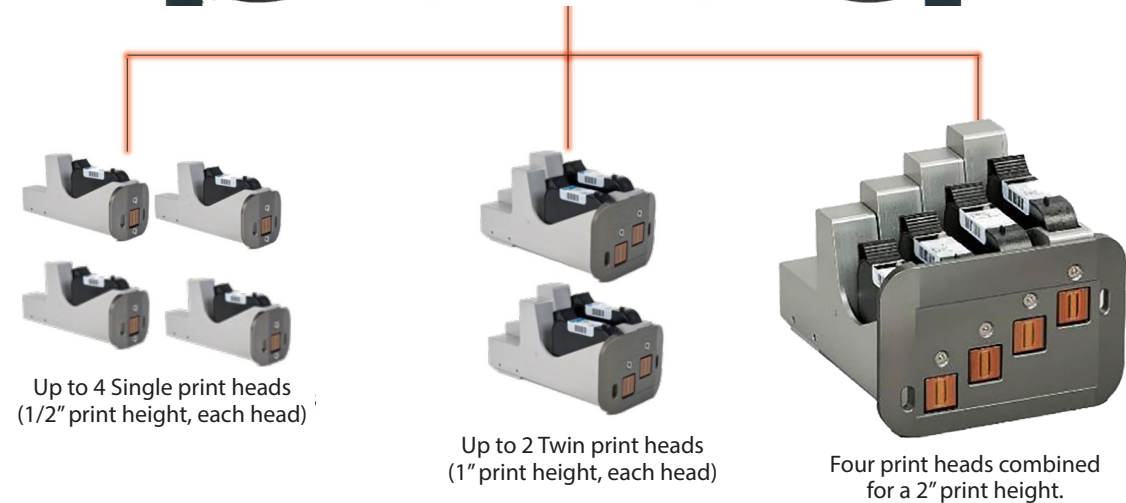
- Data transfer by USB stick
- Data transfer via Ethernet, USB and EIA-232
- Optional interface (printing signals via PLC or external photo sensor)
- Data transfer via Web interface
- Rotary encoders, catering to different belt speeds or plant stops during printing
- Flex bracket for varying product spacing
- Assembly brackets for horizontal and vertical application



Markoprint X Jet Controller features a color 5.7” touch display



A wide range of inputs including USB, Ethernet, and more



Up to 4 Single print heads (1/2” print height, each head)

Up to 2 Twin print heads (1” print height, each head)

Four print heads combined for a 2” print height.