

VxSeries

Industrial Inkjet Equipment for All Your Marking and Coding Needs

FoxJet offers the most complete and technically advanced valve printers in the industry.



Marksman Duo VxJet Printheads

The Marksman Duo Vx utilizes VxJet integrated valve printheads featuring a nine or eighteen valve pattern enabling the print of any product or date code required. A wide array of built-in printing codes allows users to quickly develop messages for printing.

- Porous or Non-Porous Marking
- 1/2" up to 2" Print Height
- Color Touch Screen
- Integrated Valve Technology

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Marksman Duo Vx

FoxJet's Marksman Duo Vx is capable of operating up to eight valve jet printheads up to the maximum 2" print height per printhead. The LCD color touch screen offers a clear WYSIWYG interface for easy operation. The sealed QWERTY keyboard allows the controller to stand up to harsh environments. The Marksman Duo Vx Controller features serial and USB communication ports which allow for easy interfacing with other equipment. And built-in printing codes allow users to quickly develop messages.

Controller Features:

Enclosure	Painted steel
Display	5.7", 320 x 240, color LCD, touch screen
Keyboard	Sealed elastomeric QWERTY
Printhead Interface	Single task - integrated valve
Printhead Capability	Vx - (8) 9 dot or (4) 18 dot, (up to 72 dots)
Memory	16MB flash memory - virtually unlimited message storage
Communication Ports	USB - 2 ports, RS-232, 100 base - T Ethernet
Environment	Ambient operation temperature 40° to 104° (5° to 40°), 10 to 90%, non-condensing humidity
Weight	6.6lbs (3.0kg)



VxJet IS Pumps

FoxJet offers two types of ink supplies that feed ink to the individual valve printheads. The VxJet IS Can utilizes a pressurized can system with no mechanical parts to deliver ink. The VxJet IS Pump features an ink pump, accumulator and circuit board with a precise pressure control system. The VxJet IS Pump supports up to a maximum of 72 valves in any combination, and the VxJet IS Can supports up to a maximum of two valve jet printheads.

Ink Delivery Systems	VxJet IS Pump	VxJet IS Can
Enclosure	Painted steel	Stainless steel
Ink Filtration	100 micron - inline replaceable	
Operating Pressure	Output pressure - 20-25 psi	15 psi
Cable Ports	Ethernet, ink low level, ink status beacon, power cord	
Ink Tubing	Maximum 100ft. from IDS to printhead (horizontal) Maximum 20ft. from IDS to highest printhead (vertical)	Maximum 25ft. from IDS to printhead (horizontal) Maximum 10ft. from IDS to highest printhead (vertical)
Types of Ink	Porous and non-porous	Porous and non-porous
Ink Supplies	5 & 30 Gallon pails	13.5oz Pressurized can
Print Head Capability	Supports single task, supports of up to 72 valves	Supports a maximum of two printheads





VxJet 9x Integrated Valve Printheads

The VxJet 9x printheads are designed to work with the Marksman Duo Vx controller, making it the smartest valve jet printer on the market. The VxJet 9x printheads print 1/2" to 7/8" characters up to 650 feet per minute on porous or non-porous surfaces. The 9x printhead features one-piece, die-cast aluminum housing and an environmentally sealed printhead for challenging environments. The automatic first dot correction feature allows for optimal print quality from start-up. The photocell mounting bracket holes allow for easy printhead adjustment on the production line.

Printhead Features:

Printhead	9x
Print Height	1/2" or 7/8"
Print Speed	Up to 650 fpm
Ink Type	Porous or non-porous
Ink Throw Distance	Up to 1/2" (12mm)
Orientation	360 degrees for top, side and bottom printing
Environment	40° - 104°F (5° - 40°), 10 - 90% non-condensing humidity
Print Technology	Drop on demand, solenoid, 1000hz
Construction	Stainless front plate, anodized enclosure, environmentally sealed
Weight	5.4lbs (2.4kg)

VxJet 18x Integrated Valve Printheads

The VxJet 18x printheads are built to work with the Marksman Duo Vx controller. The VxJet 18x Printheads print 1" to 2" characters up to 650 feet per minute on porous or non-porous surfaces. The printhead features a robust, one-piece, die-cast aluminum housing and environmentally sealed printhead for long lasting results in demanding environments. The dot size adjustment feature allows the user to make adjustments to each individual dot on the printhead maximizing the ink usage and providing optimal print quality.

Printhead Features:

Printhead	18x
Print Height	1" or 2"
Print Speed	Up to 650 fpm
Ink Type	Porous or non-porous
Ink Throw Distance	Up to 1/2" (12mm)
Orientation	360 degrees for top, side and bottom printing
Environment	40° - 104°F (5° - 40°), 10 - 90% non-condensing humidity
Print Technology	Drop on demand, solenoid, 1000hz
Construction	Stainless front plate, anodized enclosure, environmentally sealed
Weight	6.2lbs (2.8kg)



VxJet 7x Printer

The VxJet 7x features a printhead, controller and ink system. The system is available for porous or non-porous printing and can print between 3/8" and 5/8" alphanumeric characters up to 250 feet per minute. This low-cost system prints one line of alphanumeric text up to 50 characters long. Its robust metal housing, sealed printhead and QWERTY keyboard offer trouble-free operation in harsh environments. The dual photo eyes built into the VxJet 7x automatically detect speed and direction, allowing for easy set-up and operation.

Printhead Features:

Printhead	7x
Print Height	5-dot (1/2"), 7-dot (5/8"), 7-dot bold, single line
Print Speed	5 to 250 fpm
Ink Type	Porous and non-porous
Ink Throw Distance	Up to 1/2" from substrate
Orientation	Side, top, bottom, inclined
Environment	40° - 110°F (5° - 43°), 10 - 90% non-condensing humidity
Print Technology	Drop on demand
Construction	Stainless front plate, anodized enclosure, environmentally sealed
Weight	5.4lbs (2.4kg)

Controller Features:

Microprocessor	Motorola 68332
Input Device	QWERTY keypad with number keys and LCD
Message Storage	Up to 99 messages
Message Length	Up to 50 characters
Electrical	100V - 240V, 0.7A 50/60HZ
Temperature	40° - 120°F (5° - 49°)



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