



# VIAJet V Series

Data Sheet V1.0



October 2016

Large character drop-on-demand valve marking system specifically designed for challenging industrial applications.

The ViaJet V-Series represents the latest and most robust industrial marking technology available, ensuring dependable long-term performance and reliability in the most demanding operating environments.

The system provides exceptional versatility for the application of variable product information and traceability codes, as well as logos, graphics and barcodes onto both porous and non-porous materials.

Typical applications include the coding & marking of **Construction products, Chemicals & Fertilisers, Industrial Packaging, Automotive Products, Foams, Plastics & Films, Paper & Pulp**. The capability to operate in these sectors means that basic applications such as case coding are also suited to the V-Series printer.

**MPERIA** The VIAJet V-Series is powered by the MPERIA™ platform. The MPERIA™ touchscreen controller makes message programming simple and effectively manages print files and settings for multiple printers across one or several production lines or locations.

The EZ Touch user interface allows for simple and intuitive creation and selection of messages. Seamless integration with ERP/MRP/WMS systems helps to reduce coding errors. A key feature of MPERIA™ is the flexibility to expand the system. Additional print heads or print technologies can be added as and when required, ensuring your system investment is secure.

**Among many other features and benefits the system offers:**

- Small and large character printing with the facility to control single or multiple heads across one or more production lines
- High speed printing, with no depreciation on character height
- Precision stitching (stacking) of print heads to increase print height for company branding, logos and graphics
- Extensive range of ink types and colours to suit most substrates
- Stand-alone operation as well as advanced networking capabilities



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## Technical Specification

Printhead Type	Min. Char. Size	Max. Char. Size	Lines of Print
7v	3mm	28mm	1
16v	3mm	64mm	1-2
32v	3mm	128mm	1-5

V-Series V-Link	
NO. OF PRINTHEADS	1-4 (32 valves)
PRINTHEAD DIRECTION	Any (360°)
CONNECTIVITY	Ethernet or RS232 to MPERIA Trigger and Encoder Input
ELECTRICAL	90-264VAC Input
TEMPERATURE RANGE	0-45°C/32-113°F Non-Condensing
ENVIRONMENTAL	IP53
FEATURES	Printheads are connected to the MPERIA™ controller by the V-Link, an enclosed module featuring an internal power supply and print head driver board. Each V-Link can drive up to 32 valves (4x7v heads, 2x16v heads, 1 x 32v head) and hundreds of V-Links can be stacked and networked through MPERIA to provide total flexibility and a scalable system to suit small and large applications

MPERIA™ PLATFORM	
FEATURES	<ul style="list-style-type: none"> <li>Standard Linux platform</li> <li>Built-in CSV Database</li> <li>Network ready</li> <li>Intuitive program design</li> <li>Simple message creation and editing</li> <li>On-board graphics utility</li> <li>Prints TrueType fonts</li> <li>Virtual Network Computing (VNC)</li> <li>Application specific plugins and apps</li> <li>Windows Print Driver</li> <li>Offline simulator</li> </ul>
FUNCTIONALITY	<ul style="list-style-type: none"> <li>Network large facilities/operations</li> <li>Control multiple production lines</li> <li>Operate multiple inkjet technologies</li> <li>Interface with databases</li> <li>Error reports &amp; maintenance screens</li> <li>Fault free editing</li> <li>Copy/Paste functionality</li> <li>Fault code and print status icons</li> <li>Vector graphics and greyscale</li> <li>4 configurable password levels</li> <li>Remote access via PC or Ethernet</li> </ul>
BARCODES	<ul style="list-style-type: none"> <li>ITF, ITF14, Code 39, EAN8, EAN13, UPC-A, PDF147, Code128, GS1-128, SCC14, Data Matrix, QR Code, Configurable with dynamic data</li> </ul>
CONTROL OPTIONS	12" or 15" (IP65) Colour Touchscreen

### INK DELIVERY SYSTEM & INKS

Options for small and large capacity ink delivery systems for use with 1tr ink bottles as well as 19ltr or 208ltr ink drums. Circulatory systems available for use with pigment based inks. Low ink alarms and output for additional alarm handling.

INKS - Water based, Water Fast, Alcohol, Ethyl Acetate, MEK, Acetone and other speciality solvents. Dye based and pigment based inks available in a range of colours. Inks are manufactured with a 2 year shelf life.

