

viajet™ L | SERIES

Powered by MPERIA™, the most versatile and powerful print management platform, the VIAjet™ L-Series thermal inkjet printer provides high print resolution at very high speeds. It can print 600x600 dpi at 196 ft/min (60 m/min) and 75x600 dpi at up to 1,600 ft/min (488m/min), significantly outperforming HP-based thermal inkjet systems.

The VIAjet™ L-Series has inks for both porous and non-porous applications and is proving to be a cost-effective alternative to thermal transfer and continuous inkjet printing as well as adhesive labels. An advanced design reduces ink consumption costs and improves uptime. Changeover is easy, simply snap in a new cartridge. For applications using high ink volumes, the optional VIAjet™ L-Series Bulk Ink System will meet your needs. The VIAjet™ L-Series Bulk Ink Supply allows you to significantly lower your cost per mark and allows you to print for a much longer period without stopping for changeover.

The VIAjet™ L-Series thermal inkjet print heads are powered by the MPERIA™ platform. The MPERIA™ controller effectively manages messages and settings for multiple printers across one or several production lines or packaging locations. An extensive selection of pre-formatted and configurable counters, batch controls, user-defined text fields and barcode symbologies makes message creation and selection a breeze with the intuitive touchscreen interface. Seamless integration with ERP-/MRP-/WMS systems helps to reduce coding errors. Best of all, MPERIA™ is expandable, allowing you to add other print heads or print technologies as needed, making your system investment secure.

- Very high print speed, twice as fast as HP-based systems
- High-resolution images up to 2" per head
- Simple touchscreen interface
- Porous and non-porous inks in various colors
- Scalable solution for one head or multiple
- Bulk Ink Supply available





VIAJet™ L-Series Technical Specifications

MPERIA™ Platform

MPERIA™ Controller⁽¹⁾	<ul style="list-style-type: none"> Controls multiple production lines Combine multiple inkjet technologies Stack print heads for extra print height Touchscreen interface (available 7"-15") Built-in database Network - ready Simple message creation & editing Application - specific plugins Password-protected user levels Troubleshooting / maintenance screens Virtually no storage limits for number of messages / logos, message length, types of barcodes and time codes, etc. On-board image editor Virtual simulator Intuitive program design Windows / Codesoft driver TrueType fonts, grayscale and color images Guided installation / configuration Multilingual with full BIDI support
Communications & Networking	<ul style="list-style-type: none"> Ethernet - based with advanced connectivity Possibilities for ERP systems, computers, and PLC's Remote User Interface control via VNC
Print capabilities	<ul style="list-style-type: none"> TrueType fonts with unique ink - saving print density and object color settings On - line cost per mark & ink usage calculator Static and dynamic text fields User - editable variable fields Customizable date and time codes Customizable sequential and batch counters Barcodes (GS1-128, GS1 DataBar, EAN - 8 / 13, UPC - A, ITF / ITF - 14, Code 39 / 128) 2D codes (GS1-Data matrix, Data matrix, QR & Micro QR code)

Operating temperature and humidity

- Ink dependent⁽²⁾

Electrical

- 96 - 264 VAC, 50 - 60Hz, 0.5 - 1 A via adapter or 24VDC 90W filtered power

Inking System

- Single use cartridges and bulk ink supply
- Water-based for porous substrates and fast drying solvent-based, including MEK inks, for very tough non-porous applications
- Multiple colors available

Hardware Options

- Photocell
- Encoder
- Mounting clamps and stands
- Hand scanner
- Warning light
- Bulk ink delivery system

	Number of ink cartridges	Maximum print height	Maximum print speed @75 dpi ⁽³⁾	Maximum print speed @600 dpi	Maximum print distance for readable 2D barcode	Printing direction	Print head dimensions
L12	1	½" (12.7 mm)	1,600 ft / min (488 m / min)	196 ft / min (60 m / min)	¼" (6.4 mm)	Horizontal or down	3.4" x 5.1" x 8.3" (87 x 129 x 210 mm) (W x H x L)
L25	2	1" (25.4 mm)	1,600 ft / min (488 m / min)	196 ft / min (60 m / min)	¼" (6.4 mm)	Horizontal or down	5.2" x 5.1" x 8.3" (133 x 129 x 210 mm) (W x H x L)
L50	4	2" (50.8 mm)	1,600 ft / min (488 m / min)	196 ft / min (60 m / min)	¼" (6.4 mm)	Horizontal or down	8.8" x 5.2" x 8.3" (224 x 133 x 210 mm) (W x H x L)

(1) Find detailed information about our MPERIA™ controllers on the MPERIA™ controller data sheet.

(2) Typically 50 - 104 °F / 10 - 40 °C, 10 - 80% RH (non-condensing) for water-based inks.

(3) Multiple printheads can be linked to increase print speed by two times to four times.

