



DATASHEET

VIAjet™ L-Series

HIGH-RESOLUTION THERMAL INKJET PRINTERS

Drive productivity on your production line with precise marking at extraordinary speeds on porous and non-porous packaging as well as wood products and other porous surfaces.

Ideal Applications

- + Single and multi-line text, 1D and 2D barcodes, logos and graphics
- + Fixed and variable data, including date/lot codes, serial numbers, GS1
- + Retail branding and traceability

Advantages

- + Cost effective alternative to continuous inkjet printing
- + True 600 dpi marking at 200 ft/min (60 m/min)
- + Twice as fast as competitive systems
- + Excellent uptime with cartridge-based system and virtually no maintenance
- + Available active bulk ink supply keeps your line running non-stop, for less

Increase Production Line Efficiency

- + Centralize marking and coding control with the industry's only true universal controller, MPERIA®
- + Automate data flow with seamless database integration
- + Add marking technology and systems without extra investment or middleware

BEST IF USED BY:
01/01/2025

L12 mark on chipboard

LS BLACK
LS BLUE
LS GREEN
LS RED
LS BROWN
LS PURPLE

L12 marks on kraft brown corrugate



L50 mark on plywood



L50 mark on white corrugate



VIAjet L-Series Specs

Operating Temperature and Humidity

- + Ink dependent ⁽¹⁾

Inking System

- + Single-use cartridges and bulk ink
- + Water-based and fast drying solvent-based inks, including MEK
- + Multiple color options

Electrical

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

Hardware Options

- + Photocell, encoder, mounting hardware, hand scanner, warning light, L-Series Active Bulk Ink System (ABIS)

Print Capabilities

- + TrueType fonts with unique ink-saving print density and object color settings
- + Cost per mark and ink usage calculator
- + Static, dynamic, and user-editable variable fields
- + Customizable date and time codes, sequential and batch counters
- + 1D Barcodes (GS1-128, GS1 DataBar, EAN-8/13, UPC-A, ITF/ITF-14, Code 39/128)
- + 2D codes (GS1-Data matrix, Data matrix, QR and Micro QR code, PDF417)

	Number of ink cartridges	Maximum print height	Maximum print speed @75 dpi ⁽²⁾	Maximum print speed @600 dpi	Maximum print distance for readable 2D barcode	Printing direction	Printhead dimensions
L12	1	1/2" (12 mm)	1,600 ft/min (488 m/min)	196 ft/min (60 m/min)	1/4" (6 mm)	Horizontal or down	3.4" x 5.1" x 8.3" (87x129x210 mm) (WxHxL)
L25	2	1" (25 mm)	1,600 ft/min (488 m/min)	196 ft/min (60 m/min)	1/4" (6 mm)	Horizontal or down	5.2" x 5.1" x 8.3" (133x129x210 mm) (WxHxL)
L50	4	2" (50 mm)	1,600 ft/min (488 m/min)	196 ft/min (60 m/min)	1/4" (6 mm)	Horizontal or down	8.8" x 5.2" x 8.3" (224x133x210 mm) (WxHxL)

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

(2) Multiple printheads can be linked to increase print speed by 2x-4x.



L12



L25



L50

MPERIA Platform

MPERIA® Controller

- + Control multiple marking technologies and production lines
- + Ethernet-based with advanced connectivity possibilities for ERP systems, computers, PLCs
- + Password-protected user levels
- + Remote user interface control via VNC
- + Multilingual with full BIDI support
- + Intuitive touchscreen user interface
- + Built-in database and on-board image editor
- + Simple message creation and editing
- + Installation, configuration, troubleshooting, and maintenance guidance
- + Windows/Codesoft driver
- + Ample storage for messages, logos, barcodes, time codes, etc.