

DATASHEET

VIAjet™ L-Series Active Bulk Ink System (ABIS)

INTELLIGENT THERMAL INKJET (TIJ) BULK INK DELIVERY SYSTEM

Achieve unmatched productivity of your production line marking with VIAjet L-Series thermal inkjet printers and Active Bulk Ink System (ABIS).

Ideal Applications

- + Primary, secondary, or tertiary production lines
- + Single and multi-line text, 1D and 2D barcodes, logos, and graphics
- + Fixed and variable data, including date/lot codes, serial numbers, GS1

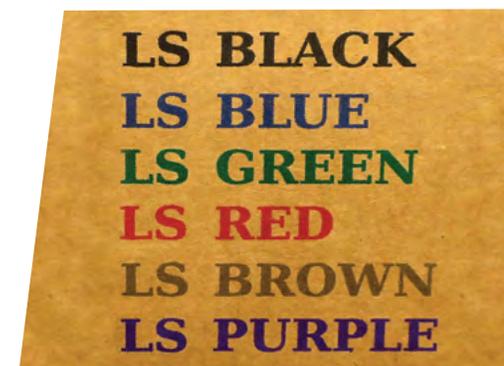
Advantages

- + Increased uptime with up to 30x longer cartridge life compared to single-use cartridges*
- + Reduced cost-per-mark up to 8x less compared to single-use cartridges*
- + True 600 dpi marking at 200 ft/min (60 m/min)
- + Bulk ink cartridges are virtually maintenance free
- + Minor environmental changes compensated for with automatic calibration
- + Non-stop printing with auto-switching dual-ink supply
- + 1–2 liters of ink per Quick Disconnect (QD) bulk ink cartridge compared to 400 ml for other TIJ systems

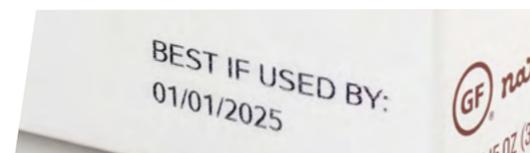
*Application dependent.



L50 mark on plywood



L12 marks on brown kraft corrugate



L12 mark on white corrugate



L50 mark on white corrugate



VIAjet L-Series ABIS Specs

Operating Temperature and Humidity

- + Ink dependent⁽¹⁾
- + Approximately 50–100°F (10–40°C)
- + 10–95% RH (noncondensing) for water-based inks

Inking System

- + Multi-color water-based inks for porous substrates and black ink for non-porous substrates

Electrical

- + 100-240 VAC, 50/60Hz, .5-1A via adapter or 24VDC 90W

IP Rating

- + IP30

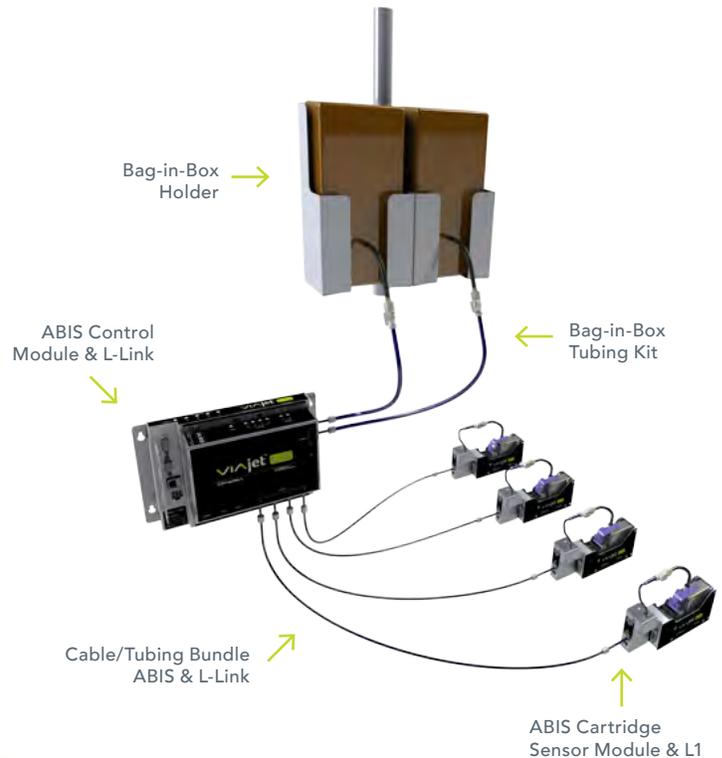
Connections

- + Install up to four cartridges per ABIS control unit
- + Mount cartridge sensor module up to 6' (2m) from ABIS control module
- + Ethernet connection to L12, L25, L50 or L-Link

ABIS Features

- + Compatible with all L-Series printheads, can be mounted to L-Link for compact installation
- + Dual-ink supply of 500 ml or 1L bags provides hot swap bulk ink change
- + Animated, step-by-step installation and configuration guidance
- + Control up to four cartridges per ABIS unit at various elevations and orientations
- + Easy, one button system and cartridge priming
- + Status log reporting and diagnostics in MPERIA
- + Alarm light compatible
- + Pre-bundled communication cables and fluid lines

	(LxWxH)
ABIS Module	7.1" x 5.9" x 1.7" / 182 x 150 x 44 mm
L1 and Cartridge Sensor Module (CSM)	9.8" x 1.7" x 2.8" / 248 x 44 x 72 mm
L12 and CSM	9.1" x 3.4" x 6.7" / 232 x 86 x 171 mm
L25 and CSM	9.1" x 5.3" x 7.2" / 232 x 133 x 182 mm
L50 and CSM	9.1" x 8.9" x 8.2" / 232 x 225 x 207 mm



ABIS mounted to L-Link



Cartridge sensor modules mounted to L25



Cartridge sensor module mounted to L1

⁽¹⁾Approximately 50–100°F (10–40°C), 10–95% RH (noncondensing) for water-based inks