

DATASHEET

# VIAjet™ T-Series

HIGH-RESOLUTION PIEZO INKJET PRINTERS

Cut costs from your production process by replacing pre-printed boxes or labeling systems with direct marking. The T-Series produce crisp barcodes and exceptional graphics on your porous substrates.

**Ideal Applications**

- + Secondary packaging on corrugate boxes and tray packs where barcode readability is critical
- + Primary marking of wood products or other porous substrates
- + Retail package branding for excellent shelf presence with PANTONE matched inks
- + Large graphic marking at up to 80"

**Advantages**

- + Far more cost effective compared to pre-printed boxes or label systems
- + Re-circulating ink feature reduces ink consumption by up to 35%
- + Superior spot color reproduction and excellent graphics printing
- + Serviceable print engine in the event repair is needed
- + Mark as you need with vertical, horizontal, or top-down printing

**Increase Production Line Efficiency**

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



T100 mark on engineered wood



T100 mark on kraft corrugate



T100 mark on foam insulation



## VIAjet T-Series Specs

### Print Capabilities

- + TrueType fonts with unique ink saving print density and object color settings
- + Cost per mark & 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, Code39/128)
- + 2D codes (GS1-Data matrix, Data matrix, QR & Micro QR code PDF417)

### Operating temperature and humidity

- + Ink dependent

### Electrical

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

### Inking System

- + Safe, non-pressurized container
- + Clean, disposable 125 ml, 500 ml, or 1 liter ink bottles
- + Unique ink recirculating feature reduces ink consumption
- + Built-in ink filtration and low-level ink warning

### Inks

- + Designed for porous surfaces
- + Light fastness performance and “no bleed” formulation
- + Non-toxic, non-flammable, and waterproof
- + Black, red, and blue pigmented inks

	Resolution	Minimum character size	Maximum image height	Maximum print speed <sup>(1)</sup>	Maximum print distance <sup>(2)</sup>	Printing direction	Printhead dimensions
T50	192 dpi vertical and 64–640 dpi horizontal	5/64" (2 mm)	2" (50 mm)	276 ft/min (81 m/min)	1/4" (6.4 mm)	Horizontal (side)	14.23" x 8.5" x 18" (364x216x4,570 mm) (WxHxL)
T100							
T100S			4" (100 mm)			Vertical (down)	8.8" x 5.2" x 41" (224x133x1,042 mm) (WxHxL)

<sup>(1)</sup> Maximum recommended speed for printing GS1-128 barcodes on carton boxes. Higher speeds up to 650 fpm (200 m/min) can be achieved in specific applications. <sup>(2)</sup> Printing alphanumeric characters.

## 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.



T50E



T100E



T100S