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
**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

<table>
<thead>
<tr>
<th>Resolution</th>
<th>Minimum character size</th>
<th>Maximum image height</th>
<th>Maximum print speed(1)</th>
<th>Maximum print distance(2)</th>
<th>Printing direction</th>
<th>Printhead dimensions</th>
</tr>
</thead>
<tbody>
<tr>
<td>T50</td>
<td>192 dpi vertical and 64–640 dpi horizontal</td>
<td>5/64” (2 mm)</td>
<td>2” (50 mm)</td>
<td>276 ft/min (81 m/min)</td>
<td>Horizontal (side)</td>
<td>14.23” x 8.5” x 18” (364x 216x4,570 mm) (WxHxL)</td>
</tr>
<tr>
<td>T100</td>
<td></td>
<td>4” (100 mm)</td>
<td>1/4” (6.4 mm)</td>
<td>Vertical (down)</td>
<td>8.8”x5.2”x41” (224x133x1,042 mm) (WxHxL)</td>
<td></td>
</tr>
<tr>
<td>T100S</td>
<td></td>
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</tbody>
</table>

(1) 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.

(2) 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.