VIAjet™ T | SERIES

Matthews' VIAjet™ high-resolution piezoelectric inkjet print heads provide exceptional barcode readability on porous substrates like corrugated cartons. The T-Series offers superior ink efficiency and a re-circulating autoprime function that allows for up to 35% less ink consumption than competing brands. The 4″ (102 mm) print heads can be stitched together for large branding and graphics, allowing you to replace costly labels and pre-printed carton inventory.
With the ability to print vertical, horizontal and/or down the VIAjet™ T-Series performs well on a range of porous packaging and in challenging industrial environments.

The VIAjet™ T-Series high-resolution 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, touch screen 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.

- Create up to 4″ (100 mm) high images and codes with a single print head or use the power of MPERIA® to seamlessly stich multiple print heads, creating a mark of up to 400″ (10,160 mm)
- Unique re-circulating automatic / manual cleaning system keeps print quality perfect and reduces ink consumption
- Available in side-printing or down-printing configurations
- Stitched images are displayed for each production line
- Detailed real time view of what is currently printing
- Repairable / serviceable print head, lowering total cost of ownership
- High-speed print head for demanding applications

Matthews Marking Systems™

MPERIA® Platform

MPERIA® Controller [1]	• Controls multiple production lines • Mix 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 • Color images • Guided installation / configuration • Multilingual with full BIDI support
Communications & Networking	• Ethernet-based with advanced connectivity possibilities for ERP systems, computers and PLC's • Remote User Interface control via VNC
Print Capabilities	• 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, Code39 / 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, 0.5-1A via adapter or 24VDC 90W filtered power

Features
Gap from bottom or print head to first printing nozzle is 0.91" (23 mm). Print head length and width is adjustable to accommodate installation restrictions by rotation of the ink tank 0-180°.
Ink shelf life in an unopened bottle is 18 months (dependent on environmental conditions.) See ink data sheet for more information.

Inking System
• Safe, non-pressurized container
• Clean, disposable 125ml, 500ml and 1L bottle
• Unique ink cleaning system recycles ink and minimizes ink consumption*
• Built-in ink filtration
• Low level ink warning
  *excludes T100SE

Inks
• Designed for porous surfaces
• Excellent light fastness performance
• "No Bleed" formulation
• Non-toxic, non-flammable and water resistant
• AccuScan available in black, blue and red pigmented ink.
• EasyCode available in black, blue, red and green dye inks. Custom colors available upon request.

		Resolution	Minimum character size	Maximum image height	Maximum print speed[3]	Maximum print distance [4]	Printing direction	Print head dimension
EasyCode	T100	192 dpi vertical and 64-640 dpi horizontal	5/64" (2 mm)	4" (100 mm)	276 ft/min (81 m/min)	1/4" (6mm) Text 1/8" (3mm) Barcode	Horizontal (Side)	14.23" x 8.5" x 18" (364 x 216 x 4,570 mm) (W x H x L)
EasyCode	T100S	192 dpi vertical and 64-640 dpi horizontal	5/64" (2 mm)	4" (100 mm)	276 ft/min (81 m/min)	1/4" (6mm) Text 1/8" (3mm) Barcode	Vertical (Down)	8.8" x 5.2" x 41" (224 x 133 x 1,042 mm) (W x H x L)
AccuScan	T50E	192 dpi vertical and 64-640 dpi horizontal	5/64" (2 mm)	2" (50 mm)	345 ft/min (105 m/min)	1/2" (12mm) Text 1/4" (6mm) Barcode	Horizontal (Side)	14.23" x 8.5" x 18" (364 x 216 x 4,570 mm) (W x H x L)
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[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. For more information see data sheet for the ink that is being used.
[3] Higher speeds up to 650fpm (200 m/min) can be achieved in specific applications. Factors such as throughput, message coverage and density affect overall speeds