VIAjet™ T | SERIES

A cost effective and reliable alternative to labels and preprinted boxes

Powered by MPERIA™, the most versatile and powerful print management platform, the VIAjet™ T-Series provides exceptional high resolution print and versatility along with unparalleled levels of readability. With the ability to print vertical, horizontal, and/or down the VIAjet™ T-Series performs well in a range of challenging non-porous packaging and industrial environments.

The VIAjet™ T-Series high resolution printheads 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 4" high images and codes with a single head or seamlessly stitch up to 400" of print height

- Print vertical with the T100 or down print with the T100S.

- Remote connectivity (Virtual Network Computing)

- Unique automatic/manual cleaning system keeps print quality perfect and reduces ink consumption

- Stitched images are displayed for each production line

- Effortless integration with ERP/MRP or WMS systems

Ink-Jet Printing | Contact Printing | Indenting | Etching | Laser | Inks | Integrated Solutions | Software

MARSH MICRO SYSTEMS

Matthews Marking Systems™

VIAjet™ T-Series
Technical Specifications

	LINES OF PRINT	MIN. CHAR. SIZE	MAX. IMAGE SIZE	MAX. SPEED [1]	MAX. PRINT DISTANCE [2]	PRINTING ORIENTATION	PRINT HEAD DIMENSIONS
T50	25	5/64" (2 mm)	2" (50 mm)	276 ft/min (81m /min)	1/4" (6 mm)	Horizontal	14.23"W x 8.5"H x 18"L (364 x 216 x 457mm)
T100	50	5/64" (2 mm)	4" (100 mm)	276 ft/min (81m /min)	1/4" (6 mm)	Horizontal	14.23"W x 8.5"H x 18"L (364 x 216 x 457mm)
T100S	50	5/64" (2 mm)	4" (100 mm)	276 ft/min (81m /min)	1/4" (6 mm)	Down, Vertical	8.8" W x 5.2" H x 41"L (224 x 133 x 1042mm)
OPERATING TEMP & HUMIDITY	Ink dependent. Approximately 50-104° F (10-40° C) 10-80% RH (non-condensing)[3]						
ELECTRICAL	96-264 VAC, 50-60Hz, 0.5-1A via main adapter or 24VDC 90W filtered power IP rating: IP40						
FEATURES	Gap from bottom of print head to first printing nozzle is 0.91" (23mm). Print head length & width is adjustable to accommodate installation restrictions by rotation of the ink tank 0-180°.						

(1) Speeds up to 650 fpm can be achieved in particular cases. (2) Printing alphanumeric characters (3) Shelf life for some inks may be reduced by high humidity and temp. See ink data sheet for more info.

MPERIA™ PLATFORM

MPERIA™ Controller [1]

- Controls multiple production lines
- Mix multiple ink jet technologies
- Stack print heads for extra print height
- Touch screen interface
- Built-in database
- IP20/IP65 versions
- 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.

- Available in 7"-15"[2]
- On-board image editor
- Virtual simulator
- Intuitive program design
- Windows/Codesoft driver
- TrueType fonts, grayscale color images
- Guided installation/config
- Multilanguage 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

- Static and dynamic text fields
- Logos
- Date and time clocks
- Sequential and batch counters
- True type fonts with density settings
- Bi-directional printing
- Barcodes (ITF, ITF-14, Code 39, EAN8, EAN13, UPC-A, Code 128, GS1-128, GS1-Databar, GS1-Datamatrix, QR codes)

(1)Find detailed information about our MPERIA™ controllers on the MPERIA™ controller data sheet.
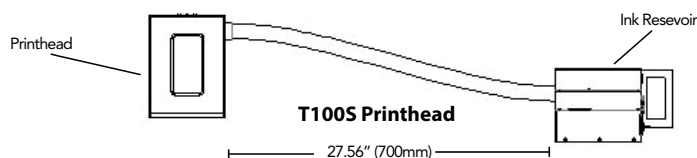(2) 15" version has a higher IP rating for h

INKING SYSTEM

- Safe, non-pressurized container
- Clean, disposable 500 ml and 125 ml ink cartridge
- Unique ink cleaning system recycles ink and minimizes ink consumption*
- Built-in ink filtration
- Low level ink warning

*excludes the T100S

INKS

- Designed for porous surfaces
- Shelf life up to 12 months
- Excellent light fastness performance
- "No Bleed" formulation
- Non-toxic, non-flammable, and fully waterproof
- Black and Red colors

T100S Printhead

Printhead

Ink Resevoir

27.56" (700mm)

VIAjet™ T-Series T100
Print Head

Pittsburgh, PA | Mölndal, Sweden | Beijing |

MARSH
MICRO SYSTEMS