Matthews Marking Systems™

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[1]	Maximum print distance[2]	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"x8.5"x18" (364x216x4,570 mm) (W x H x L)
T100			4" (100 mm)			Vertical (down)	8.8"x5.2"x41" (224x133x1,042 mm) (W x H x L)
T100S							

[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.

T50E

T100E

T100S

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