



THERMAL JET (TJ) SYSTEM

Diagraph's thermal jet (TJ) system with HP inkjet technology is ideal for manufacturers looking for low-maintenance, industrial porous or non-porous inkjet solutions that require high resolution text, barcodes and graphics up to 1" tall or up to 10 lines of print. Easy snap-in ink cartridges allow for quick fluid replenishment and mess-free handling.

Superior protection in industrial environments with swing print head cover plus coated electronics

Simplified message creation and system operation with the pop-up onscreen keypad on the 7" handheld controller featuring color touchscreen

Easy print quality testing and cleaning provided through the channel purge button on the print head

Smart level ink detection system automatically matches print head settings to the ink type and monitors ink level status throughout operation

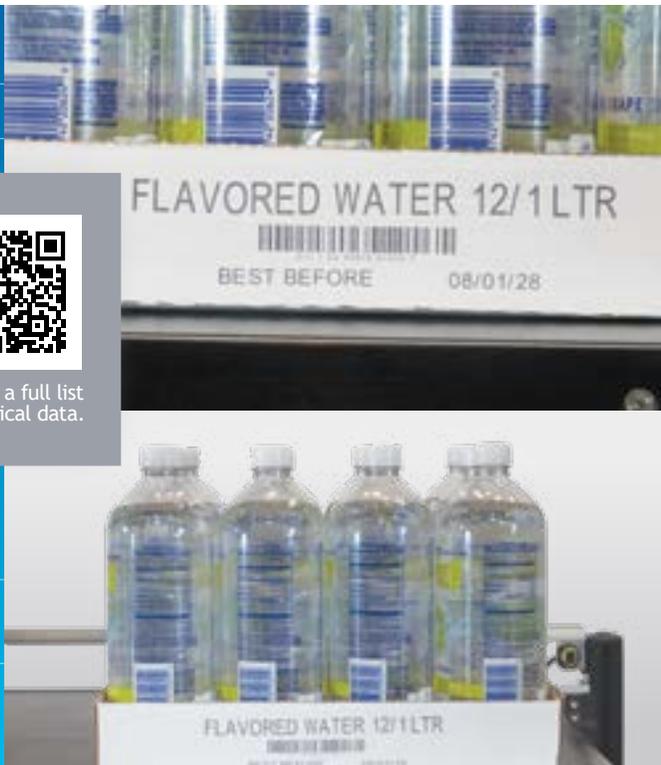
The TJ500 and TJ1000 print head are a low-cost inkjet system that features up to 1 inch print height. The TJ print heads are based on technology that offers high-resolution print, easy-to-change ink cartridges and industrial-grade performance features.



DIAGRAPH

TECHNICAL DATA

Print height	TJ50: ½"	TJ1000: 1"
Print resolution	300 x 300 DPI	
Print speed*	Up to 500 FPM <i>*with reduced resolution</i>	
Throw distance	Up to ¼"	
Print options	Side, top down, angled conveyor	
Environment	50°F to 104°F	
Regulatory listing	TUV (CE/CSA/UL)	
Ink types	Porous and non-porous inks, water based for porous and aqueous coated cartons, enhanced solvent based option with maximized de-cap times for non-porous substrates	
Barcodes	GTIN, UPC, I2of5, Code 128, GS1-128, Code 39, EAN, UCC, 2D Data Matrix, QR	
Ink delivery	Cartridge, 42ml (45SI available)	



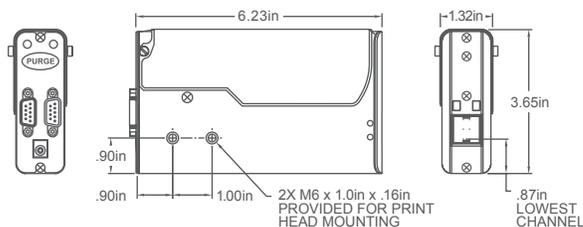
Scan for a full list of technical data.

FEATURES & BENEFITS

- Multiple print head configurations allow you to drive up to eight TJ500 ½" or four TJ1000 1" print heads on two independent production lines per controller
- Flexible controller options include the IJ4000 HH direct connection for continuous operation, PC software to design and download print messages and print heads can be used as standalone systems with no connection at all
- Available roller retracting bracketry minimizes dust at the print nozzles while maximizing print quality
- Font conversion program provides access to any Windows font at user definable sizes
- Onboard LEDs signal cartridge ink level status of "ink low" and "ink out"
- Can be daisy chained with up to 8 cartridges for larger print application

TECHNICAL DRAWINGS

TJ500



TJ1000

