



HP THERMAL JET SYSTEM

The HP ThermalJet System 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 printhead cover plus coated electronics

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

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

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

KEY FEATURES

- **Multiple printhead configurations** allow you to drive up to eight TJ500 1/2" or four TJ1000 1" printheads on two independent production lines per controller
- **Smart level ink detection system** automatically matches printhead settings to the ink type and monitors ink level status throughout operation
- **Flexible controller options** include the IJ4000-HH direct connection for continuous operation, PC software to design and download print messages and printheads can be used as standalone systems with no connection at all





SPECIFICATIONS

Controller	IJ4000-HH
Touch Screen Display	7" (178 mm) Color
Operator Interface	Graphic User Interface (GUI), WYSIWYG Editor
QWERTY Keypad	Touchscreen Pop-up, Unicode Compatible
Enclosure	Industrial Thermoplastic, Drop Resistant
Memory	512 MB
Connectivity	1-Ethernet, 1-USB, 2-RS232
Production Capacity	Drives Two Independent Production Lines
Remote Capabilities	Controller Utilities for Remote Operations and Status
Auto Codes	Time, Date, Count, User Defined, Shifts, Operator Input
Barcodes	GTIN, UPC, I2of5, Code 128, GS1-128, Code 39, EAN, UCC, 2D Data Matrix, QR
Logos and Images	BMP, JPEG, TIF, PNG
Fonts	True Type Available
Font Sizes	1/10", 1/4", 1/2", 3/4", 1" tall

PC Interface	
Windows PC GUI Software	Graphic User Interface (GUI), WYSIWYG Editor
Network Software w/Database	No
Direct Interface	Protocol Provided

Printing Method	
Printheads	TJ500 (1/2"), TJ1000 (1")
Technology	Diagraph HP Thermal Jet
Print Height	TJ500 1/2" (13mm) and TJ1000 1" (25mm) Printheads
Print Resolution	300 x 300 dpi
Standard Print Speeds	Up to 200 fpm
Print Speeds w/ Reduced Resolutions	Up to 500 fpm
Print Options	Side, Top Down, Angled Conveyor
Print Throw Distance	Up to 1/4"

Ink Systems	
Ink Delivery	Cartridge, 42ml (45SI Available)
Ink Supplies	42 ml, (350 ml Bulk Option)
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

System	
Regulatory Listings	TUV (CE/CSA/UL)
Operating Environment	50°F to 104°F (10°C to 40°C)