

Thermal Jet Systems

Reliable, Low Cost Printers for Up to 10 Lines of Marking & Coding

Diagraph Thermal Jet printers are low-cost ink jet systems that offer highly reliable thermal jet technology, high-resolution printing, easy-to-change ink cartridges, and a wealth of industrial-grade performance features. The **TJ500** provides up to 5 lines of print, the **TJ1000** offers up to 10 lines. In short, they're the best value for many multi-line marking and coding applications.



Design & Performance Features

- Prints characters 1/10", 1/4", 1/2", or 1" tall
- Print up to 10 lines of data
- Prints UPC-A bar codes, alphanumerics and logos
- Enclosed industrial printhead
- Can be driven by ES Controller, handheld, PC, or direct serial interface
- Hinged cover provides easy access to ink cartridges
- Easy snap-in/snap-out method for changing ink
- Stainless steel faceplate with built-in photo sensors to detect product speed & direction
- 300 dpi vertical and horizontal resolution
- Print speeds up to 200 feet/minute
- Channel purge at the printhead
- Industrial DB-9 serial connection
- Diagraph's Smart Level Ink Detection System provides user with "ink low" and "ink out" Diagraph cartridge status



Print up to 10 lines of alphanumerics, UPC-A bar codes, and logos



Low-cost, reliable thermal systems offer print speeds up to 200 feet/minute at 300 dpi resolution

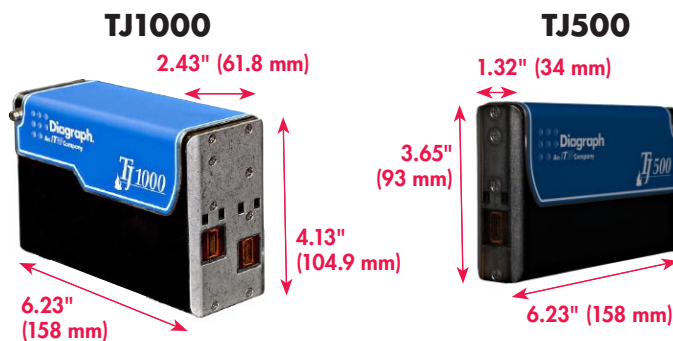


To change ink, just open the hinged cover, snap out the old cartridge, and snap in a new one



Printheads

Type	HP Thermal Ink Jet
Print Speed	Up to 200 fpm (up to 61 mpm)
Print Lines	Up to 10 lines (.1", .25", .5" or 1") (2.54 mm, 6.35 mm, 12.7 mm or 25.4 mm)
Orientation	Side or Top-down printing
Ink Throw	Up to 1/4" (6.35 mm)
Options	External photocell, external encoder, ink status beacon, accessory hub, roller/retracting brackets
Dimensions	2.43" W x 4.13" H x 6.23" L (61.8 mm W x 104.9 mm H x 158 mm L)
Environment	50°F to 104°F (10°C to 40°C)



Stainless steel faceplate has built-in photo sensors to detect product speed and direction

Controller Options

PC Software

ES Controller

Enclosures	N/A	Painted steel
User Interface	Windows® compatible program, point-and-click operation, WYSIWYG Editor	Graphical user interface, 70-key QWERTY keyboard, 320 x 240 color LCD touch screen, WYSIWYG Editor
Communication Ports	RS-232 on PC required	RS-232 (2), 10 Base-T Ethernet (1), USB (2)
Connectivity	N/A	Embedded web server allows remote access with web browser
Auto Codes	Time, Date, Sell By, Julian Date, Count	Time, Date, Sell By, Julian Date, Count
Bar Codes	UPC-A	UPC-A
Memory	Unlimited messages	16 MB flash type for thousands of messages
Fonts	30 dot, 75 dot, 150 dot, 300 dot	30 dot, 75 dot, 150 dot, 300 dot
Printheads Per COM Port	1 to 4 TJ500, 1 to 2 TJ1000	1 to 4 TJ500, TJ1000
Temperature/Humidity	N/A	
Dimensions/Weight	N/A	10.5" L x 9.65" W x 2.89" H; (267mm L x 245mm W x 73mm H); 6.6 lbs. (3.0 kg)
Safety	N/A	UL, CE, CSA
Environment	N/A	40°F to 104°F (5°C to 40°C)

Ink Cartridges

Porous ink available in black or red. Non-porous ink available in black. The **TJ1000** and **TJ500** have been engineered and designed to work with Diagraph ink cartridges. The **Smart Level Ink Detection System**, which provides ink level monitoring to ensure complete ink usage and product safety, will not be functional if used with non-Diagraph ink cartridges.

Standard

All printheads ship standard with full-featured PC software, printhead conveyor bracket mount, serial cable and power supply



ES Controller has an intuitive graphical user interface with color touch screen and easy-to-use controls