

Industrial Ink Jet Coders

*Designed & Built to Meet Your Demanding Coding Applications.
Engineered to Exceed Your Expectations.*



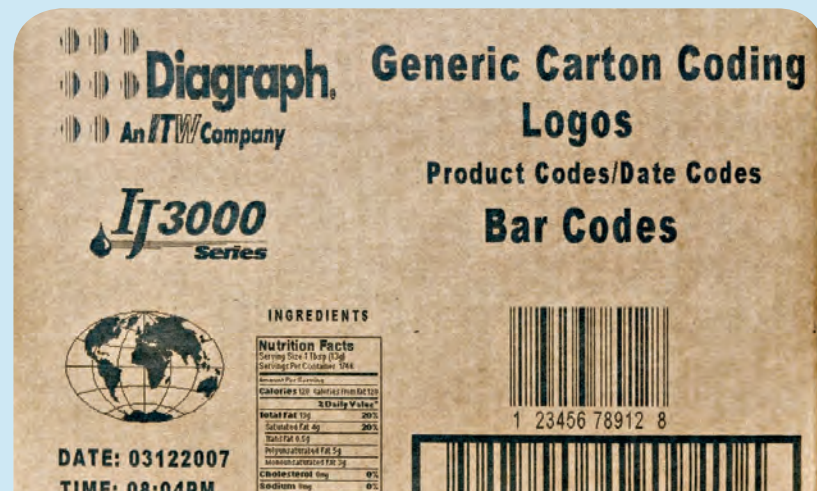


**TRIDENT PRINTHEADS; AUTOMATIC PRINthead CLEANING;
HIGH-RESOLUTION PRINT UP TO 4" TALL ON CORRUGATE**

POROUS IMPULSE JET

KEY FEATURES

- **Trident printheads** – industrial, all stainless steel construction, reliable, repairable and cleanable – not a “throw-away” design.
- **Stainless steel controller** seamlessly integrates printheads, ink systems, sensors and networking functions for expanded capability.
- **Color touch screen** – full-color 10.4" graphical user interface guides users easily through menu functions.
- **Reliable and repairable printheads** – Trident-based print engine for maximum uptime, reliability and longevity.
- **Automatic cleaning system** – programmable in the controller, self-cleaning of the printheads keeps dust and debris from getting inside the nozzles, maintaining excellent print quality.
- **High-resolution print** for bar codes, logos, graphics, alphanumerics, nutritional facts panel, ingredient statements and more.
- **Printhead options** – IJ384 (2") and IJ768 (4").
- **Multiple printhead configuration** – drive up to four IJ384 (2") or two IJ768 (4") printheads.
- **Stainless steel face plates** – provide maximum reliability in harsh environments.
- **Modular printhead option** allows vertical & angled orientations.
- **Roller alignment brackets** reduce printhead maintenance and prolong service life.





TRIDENT PRINTHEADS; SMART CLEAN SYSTEM; HIGH-RESOLUTION PRINT UP TO 2" TALL ON SHRINK FILM OVERWRAPS, COATED CARTONS

NON-POROUS IMPULSE JET

KEY FEATURES

- **Non-porous printing** on surfaces such as shrink film overwraps; coated, decorative cartons for point-of-purchase display, market-ready packaging, and semi-permeable moisture barrier carton stock.
- **High-resolution print** for bar codes, logos, graphics, alphanumerics, nutritional facts panel, ingredient statements and more.
- **AllWrite A5000 ink** prints on both porous and non-porous substrates, providing a single print system that works for both types of print surfaces.
- **Stainless steel controller** seamlessly integrates printheads, ink and solvent systems, sensors and networking functions for expanded capability.
- **Color touch screen** - full-color 10.4" graphical user interface guides users easily through menu functions.
- **Smart clean system** (SCS) – keeps print sharp and reduces maintenance downtime with an automated solvent and ink flush to remove environmental debris.
- **Reliable and repairable printheads** - Trident-based print engine for maximum uptime, reliability and longevity.
- **Printhead option** – NP384 (2").
- **Stainless steel face plates** – provide maximum reliability in harsh environments.





**LOW-COST HP THERMAL JET TECHNOLOGY; EASY-TO-CHANGE INK CARTRIDGES;
HIGH-RESOLUTION PRINT UP TO 1" TALL**

HP THERMAL JET

KEY FEATURES

- **Enclosed industrial printhead** – the most robust and durable HP-based printhead.
- **Print up to 10 lines** of data including alphanumerics, bar codes, logos and auto codes.
- **Character height** 1/10", 1/4", 1/2", 3/4", or 1" tall.
- **Interface** – system can be driven by hand-held controller, PC, or direct serial interface.
- **Printhead options** – TJ500 (1/2") and TJ1000 (1")
- **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 and direction.
- **300 Dpi** vertical and horizontal resolution.
- **Channel purge** at the printhead.
- **Industrial DB-9** serial connection.
- **Smart level ink detection system** provides user with "ink low" and "ink out" Diagraph cartridge status.
- **Bulk ink delivery** option can decrease cost per mark by as much as 50%.
- **Industrial hand held controller** with large 7" color touch screen.





PRECISELY CONTROLLED INK FLOW; PERFECTLY FORMED INK DROPS;
DOT MATRIX PRINT UP TO 2" TALL

INTEGRATED VALVE

KEY FEATURES

- **Integrated Valve printheads** – 100% sealed printhead and designed for harsh industrial environments.
- **Powerful solenoids** deliver perfectly-formed ink drops for crisp, clear print quality.
- **Stainless steel controller** seamlessly integrates printheads, ink systems, sensors and networking functions for expanded capability.
- **Color touch screen** – full-color 10.4" graphical user interface guides users easily through menu functions.
- **Printhead options** – IV9-dot (1/2" or 7/8") and IV18-dot (1" or 2").
- **System drives** any combination of printheads totaling up to 144 dots.
- **Prints on practically any porous or non-porous substrate or material** such as corrugate, plastic, wood, drywall, PVC, etc.
- **Prints alphanumeric** – perfect for date codes, lot/batch codes, product identification.
- **Channel purge at printhead** for easy cleaning.



Specifications

	Impulse Jet	Thermal Jet	Integrated Valve
Controller	IJ3000XLS & IJ3000ES	IJ3000 Hand Held	IJ3000XLS & IJ3000ES
Touch Screen Display	10.4" Color (XLS) & 7" Color (ES)	7" Color	10.4" Color (XLS) & 7" Color (ES)
Operator Interface	Graphical User Interface, WYSIWYG Editor	Graphical User Interface, WYSIWYG Editor	Graphical User Interface, WYSIWYG Editor
QWERTY Keypad	Sealed Elastomeric	Sealed Elastomeric	Sealed Elastomeric
Enclosure	Stainless Steel, Environmentally Sealed	Rugged/Industrial Thermoplastic	Stainless Steel, Environmentally Sealed
Memory	128 MB for unlimited message storage	128 MB for unlimited message storage	128 MB for unlimited message storage
Connectivity	1 - Ethernet, 2 - USB, 2 - RS232	1 - Ethernet, 1 - USB, 2 - RS232	1 - Ethernet, 2 - USB, 2 - RS232
IO Interface	IO Board Option for XLS	No	IO Board Option for XLS
Auto Codes	Time, Date, Use By, Julian, Count, User Defined, Shifts, Variable Input	Time, Date, Use By, Julian, Count, User Defined, Shifts, Variable Input	Time, Date, Use By, Julian, Count, User Defined, Shifts, Variable Input
Bar Codes	UPC, GTIN, I2of5, 128, Code 39, EAN, UCC, 2D Data Matrix	UPC, GTIN, I2of5, 128, Code 39, EAN, UCC, 2D Data Matrix	No
Logos	Bitmap Images	Bitmap Images	Bitmap Images
Fonts	Arial Standard, TrueType Available	Arial Standard, TrueType Available	5, 7, 9, & 18 dot fonts

PC Interface			
Windows PC GUI Software	Graphical User Interface, WYSIWYG Editor	Graphical User Interface, WYSIWYG Editor	Graphical User Interface, WYSIWYG Editor
Networking Software w/Database	Yes	No	Yes
Direct Interface	Protocol Provided	Protocol Provided	Protocol Provided

Printheads			
Technology	Piezoelectric (Trident Impulse Jet)	Thermal Jet (HP) [®]	Drop on Demand (Diagraph Valve Jet)
Print Height	2" & 4" Print Heads	1/2" & 1" Print Heads	1/2", 7/8", 1" & 2" Print Heads
Print Resolution	64 x 300 dpi	300 x 300 dpi	18 x 25 dpi
Standard Print Speeds	Up to 200 fpm	Up to 200 fpm	Up to 200 fpm
Print Speeds w/reduced resolution	Up to 400 fpm	Up to 500 fpm	Up to 650 fpm
Print Options	Side, Top Down	Side, Top Down	Side, Top Down, Bottom Up
Print Distance	Up to 1/8"	Up to 1/4"	Up to 1/2"

Ink Systems			
Ink Delivery	Centralized Ink Delivery	Cartridge and Bulk	Large Bulk Supply
Ink Supplies	500 & 1000 ml	42 & 350 ml	5 & 30 Gallon
Ink types	Porous and Non-Porous inks Black Pigmented for Bar Coding, Solvent Based for coated cartons & shrink wrap	Porous & Non-Porous inks Water Based for porous & aqueous coated cartons, Solvent Based for non-porous stock	Porous & Non-Porous inks Water Based & Solvent Based, including Non-VOC solvent inks

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