# Ij3000™

## *I*mpulse *J*et
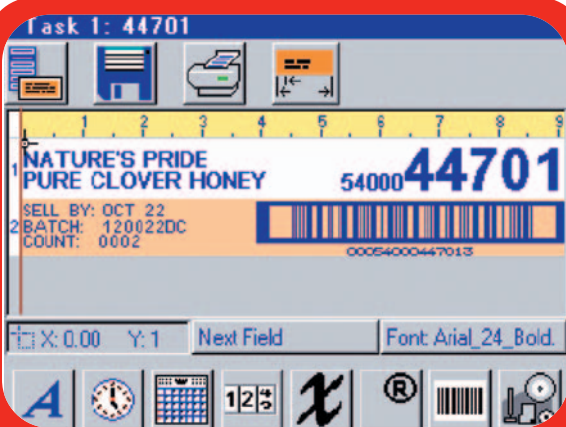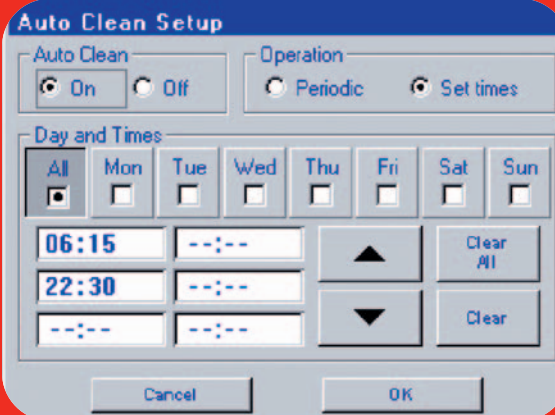## large character ink jet printer



**High-Resolution** printing assures scannable bar codes and superior graphics and logos.



**Color** Touch Screen and Graphical User Interface make it easy to create and change messages.



**Simple Touch Screen** set-up for Automatic Cleaning System.

The world's smartest ink jet system, now with high-resolution printheads and automatic cleaning system.
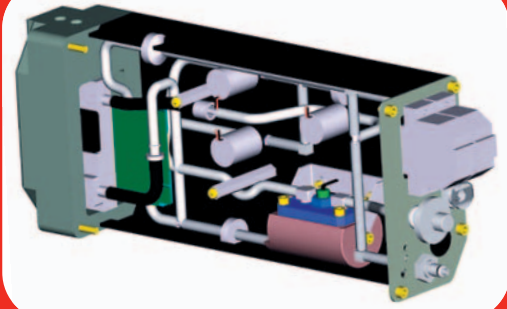
### *features & benefits*

- *Graphical User Interface* and *Color Touch Screen*
- *Automatic* printhead cleaning
- *One Liter of Ink* supplies up to four printheads
- *High-Resolution* printing for bar codes and graphics
- *Around-the-Clock* diagnostics and system status
- *Characters* from 1/4" to 4" tall
- *Print Speeds* over 200 fpm
- *Ethernet and Serial* communication ports
- *Stores* up to 500 messages



## Diagraph
An *ITW* Company

## Printheads

| | |
|---|---|
| Types: | IJ768* (4"), IJ384* (2"), IJ224 (3/4")<br>*with automatic cleaning |
| Print Speed: | Over 200 fpm (up to 60.8 mpm) |
| Print Lines: | Up to 10 lines at 200 fpm |
| Orientation: | Side, top, and bottom |
| Ink Throw Distance: | Up to 1/4" (6 mm);<br>1/8" (3 mm) recommended |
| Dimensions: | 2.75" W x 5" H x 11.95" L<br>(70 mm x 127 mm x 304 mm) |

**Ij3000 Impulse Jet** utilizes proven high-resolution printhead technology with the extra feature of automatic printhead cleaning.

## Controller

| | |
|---|---|
| Enclosures: | Stainless steel |
| User Interface: | Graphical User Interface, 70-key QWERTY keyboard, 640 x 480 color LCD touch screen, 10.4" diagonal |
| Communication Ports: | RS-232 (2), 10 Base-T Ethernet (1) |
| Connectivity: | Embedded Web server allows remote access with Web browser |
| Auto Codes: | Time, Sell By, Gregorian Date, Julian Date, Rollover Time, Shift, When Printed, Count |
| Memory: | 3 MB flash type; 500 messages, 64 characters in length |
| Fonts: | Arial style: 5, 7, 9, 15, 24, 32, 48, 63, 96, and 128 pt. |
| Logos: | .BMP files |
| Bar Codes: | UPC-A, SCC-14, ITF, Code 39, Code 128, 2 Dimensional |
| Electrical: | 90-260 VAC, 50/60 Hz, 3 A max. (power supply input);<br>24 VDC, 3 A per interface card (controller input) |
| Product Sensor: | 24 VDC, current sinking, active low type |
| Encoder: | 5000 ppr/300 ppi, TTL level, 24 VDC |
| Temperature/Humidity: | 50º F to 104º F (10º C to 40º C); 5-80% (non-condensing) |
| Dimensions/Weight: | 13" W x 8.75" H x 15.5" D; 16.4 lbs. (331 mm x 222 mm x 394 mm; 7.5 kg) |
| Safety: | UL, CE, CSA |

## Ink Delivery System & Inks

| | |
|---|---|
| Enclosures: | Stainless steel |
| Electrical: | Non-European: 103-122 VAC, 60 Hz, 1 A max. European: 207-253 VAC, 50 Hz, 0.5 A max. |
| Ink Filtration: | 25 micron built-in supply reservoir |
| Operating Pressure: | Approx. 0 - 30 psi (pump output when operating) |
| Cable Ports: | Communication to controller, power cord, ink status beacon |
| Ink Tubing: | Max. 70 ft. horozontal, 20 ft. vertical tube length |
| Dimensions/Weight: | 4.61" W x 20.42" H x 7.13" D; 18 lbs. (117 mm x 519 mm x 181 mm; 8 kg) |
| Types of Inks: | Dye type and pigmented type for porous substrates |
| Ink Colors/Supplies: | Black, 500 ml or 1 liter for up to four printheads |

## Options

| | |
|---|---|
| I/O Board: | 8 isolated inputs and outputs for system controls & alarms |
| Multi-Tier Alarm Beacon | Up to 3 color and audibile alarms |
| Network Software | Ethernet-based, view status, control all production lines, databases |

For more information on all Diagraph products, consumables, service, parts and inks, please visit our website:

**www.diagraph.com**

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