

# Ij3000™

## Integrated Valve large character ink jet printer



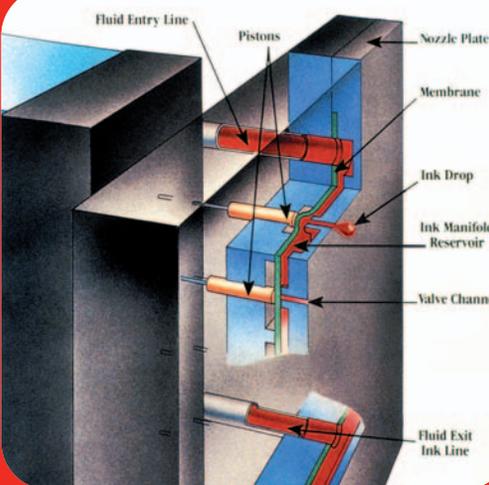
Ij3000 prints on practically any substrate—corrugate, plastic, glass, metal, carpeting and more.

The world's smartest ink jet system delivers 24/7 production efficiency.

- *Touch Screen* graphical user interface
- *Around-the-Clock* diagnostics and status
- *Worldwide Networking* with Ethernet connectivity
- *Stores* up to 500 messages in memory
- *Character Sizes* from 3/8" to 2" tall
- *Print Speed* up to 650 fpm



Ij3000 graphical touch screen allows fast, fingertip control of the system.



**Patented** Integrated Valve technology precisely controls ink flow and powerful solenoids deliver perfectly formed ink drops, resulting in sharp, clean characters.



# Specifications **Ij3000™** Integrated Valve large character ink jet printer

## Printheads

Types:	Porous, Non-Porous, Pigmented, Hermetically sealed	
Print Speed:	Up to 650 fpm	
Print Lines:	1 line for 9-dot printhead; 3 lines for 18-dot printhead	
Orientation:	360 degrees for top, side and bottom coding	
Ink Throw Distance:	Up to 1/2"	
Dot Size:	Individual dot size adjustment	
Dimensions:	9-dot printhead	3.33" H x 4.45" W x 11.38" L (85 mm x 113 mm x 289 mm)
	18-dot printhead	5.125" H x 3" W x 9.625" L (130 mm x 76 mm x 244 mm)



Printhead orientation is 360° for top, side, bottom coding.

## Controller

Enclosures:	Stainless steel
User Interface:	Graphical user interface, 70-key QWERTY keyboard, 320 x 240 color LCD touch screen
Communication Ports:	RS-232 (2), 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, User Defined
Memory:	3 MB flash type; 500 messages, 150 characters in length
Printheads:	9-dot 1/2," 9-dot 7/8," 18-dot 1," 18-dot 2." Any combination of 9- and 18-dot printheads up to 72 dots per interface board. 1 or 2 interface boards (72 dots per interface boards)
Fonts:	5-dot, 7-dot, 9-dot, 18-dot standard
Logos:	.BMP files
Electrical:	90-260 VAC, 50/60 Hz, 3.0 A max., 15 VDC, 4.0 A per interface card
Product Sensor:	15 VDC, current sinking, active low type
Encoder:	1024 ppr/100 ppi, TTL level, 5 VDC (1 per interface board)
Temperature/Humidity:	Operating temperature from 40° F to 104° F; operating humidity 10-90% (non-condensing)
Dimensions/Weight:	7.7" H x 12.8" W x 14.4" D (195 mm x 325 mm x 366 mm); 13.6 lbs. (6 kg)
Safety Listings:	UL, CE, CSA

## Ink Delivery System & Inks

Enclosures:	Stainless steel
Electrical:	115 VAC, 60 Hz; 230 VAC, 50 Hz
Ink Filtration:	100 micron
Operating Pressure:	Approx. 20 - 25 psi
Cable Ports:	Ethernet, Ink low level, Ink status beacon, power cord
Ink Tubing:	Max. 100 ft. from IDS to printhead (horizontal); max. 20 ft. from bottom of IDS to highest printhead (vertical)
Ink Supply:	Max. 2 ft. from bottom of ink supply to bottom of IDS; max. 8 ft. from bottom of ink supply to bottom of IDS; max. 8 ft. horizontal distance between IDS and ink supply
Dimensions/Weight:	5.7" H x 12" W x 10" D (145 mm x 305 mm x 254 mm); 14 lbs. (6 kg)
Types of Inks:	Water-based for porous surfaces; solvent-based for non-porous surfaces; pigmented for dark surfaces; water resistant, alcohol resistant and wash-off inks for special applications
Ink Colors/Supplies:	Black, red, blue, green, white, custom; available in 5 or 30 gallon containers

## Options

I/O Board:	8 isolated inputs and outputs for system controls & alarms
Multi-Tier Alarm Beacon	Up to 3 color and audible 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:

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