

Impulse Jet piezoelectric technology delivers high-speed, high-resolution printing on porous surfaces, plus the added benefits of automatic cleaning and low maintenance.



XLS controller with **CIDS3000** ink delivery system.

Applications

- Bar Codes
- Graphics & Logos
- Ingredients & Nutritional Statements
- Product Identification

Features

- Three printhead options: **IJ224** (3/4"); **IJ384** (2"); **IJ768** (4")
- Drives up to four IJ384 or two IJ768 printheads
- Up to 300 dpi print resolution
- Print speed up to 200 fpm
- Programmable Automatic Cleaning System
- Modular printhead option allows vertical & angled orientations



Flexibility & Versatility Meet

The **XLS Controller** Drives **Impulse Jet** or **Integrated Valve** Printheads. Your Choice.

Stainless Steel Environmentally Protected Enclosure

10.4" Color LCD

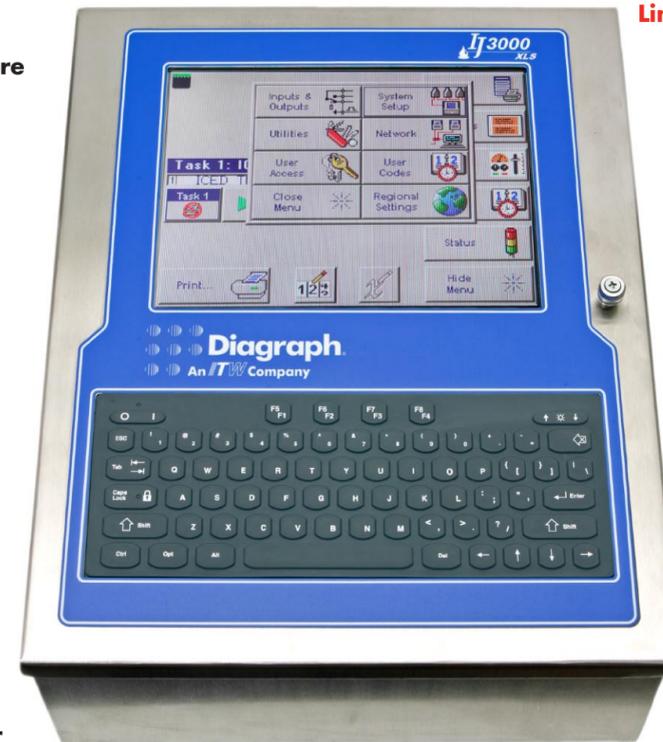
Touch Screen

Expandable for Dual Technology

Web Server-Based HMI

RS-232 - 2 Ports

16-MB Memory for virtually unlimited message capacity



Data Base Software Available
Integrates Enterprise Resource Planning and shop floor automation systems

Linux Operating System

Seamlessly Integrates Printheads, Ink Systems, Sensors and Networking Functions for expanded capability

I/O to PLC Option

USB - 2 Ports

Sealed Elastomeric QWERTY Keyboard

Ethernet Ready Communication

GUI - Graphical User Interface

Integrated Valve technology precisely controls ink flow and powerful solenoids deliver perfectly-formed ink drops, which result in sharp, clean large characters.

Applications

- Date Codes
- Traceability
- Lot/Batch Codes
- Product Identification

Features

- Two printhead options: **IV9-dot** (1/2" or 7/8") and **IV18-dot** (1" or 2")
- Drives any combination of printheads totaling up to 144 dots
- Print speed up to 650 fpm
- Prints on practically any porous or non-porous substrate



XLS controller with **IDS3000** ink delivery system.

IJ768 (4") Printhead



Stainless steel face plates provide maximum reliability in harsh conditions.

IJ384 (2") Printhead



Roller Alignment reduces printhead maintenance and prolongs service life.

Ink Usage Solution



Ink consumption is automatically calculated for each print message.

Touch Screen



Large graphical touch screen guides users easily through menu functions.

IV18-Dot Printhead



With 1" or 2" options, IV18-dot prints highly legible date code messages.

IV9-Dot Printhead



With 1/2" or 7/8" options, IV9-dot is ideal for coding beverage traypacks.

High-Resolution Impulse Jet



Large Character Integrated Valve



ES Controller Features

- 5.7" diagonal, 320 x 240 color LCD with touch screen
- 16MB Flash memory for message storage
- Impulse Jet drives two Diagraph IJ224 (3/4") or IJ384 (2") printheads
- Integrated Valve drives any combination of Diagraph IV9-dot (1/2" or 7/8") or IV18-dot (1" or 2") printheads up to 72 dots
- 100-base T Ethernet network port for web browser, network connectivity
- Serial ports for scanner lookup/PLC interface/variable data
- Enhanced print message editor includes drag-n-drop
- Painted steel, environmentally protected enclosure

Printing Versatility



IJ3000 IV printheads can print in vertical and/or angled orientations.

Application Flexibility



IJ3000 IV printheads can print on practically any packaging substrate.

Specifications

IJ3000

IJS3000 Controllers		XLS		ES	
Enclosure	Stainless Steel Environmentally Sealed	Stainless Steel Environmentally Sealed	Painted Steel	Painted Steel	Painted Steel
Display	10.4", 640 x 480, Color LCD, Touch Screen	10.4", 640 x 480, Color LCD, Touch Screen	5.7", 320 x 240, Color LCD, Touch Screen	5.7", 320 x 240, Color LCD, Touch Screen	5.7", 320 x 240, Color LCD, Touch Screen
Keyboard			Sealed Elastomeric QWERTY	Sealed Elastomeric QWERTY	Sealed Elastomeric QWERTY
Printhead Interface	Dual Task; Integrated Valve, Impulse Jet or Print & Apply	Dual Task; Integrated Valve, Impulse Jet or Print & Apply	Single Task - Integrated Valve or Impulse Jet	Single Task - Integrated Valve or Impulse Jet	Single Task - Integrated Valve or Impulse Jet
Print Head Capability	IJ - (2) 768, (4) 384, or (4) 224 printheads IV - (16) 9 dot or (8) 18 dot printheads (up to 144 dots)	IJ - (2) 768, (4) 384, or (4) 224 printheads IV - (16) 9 dot or (8) 18 dot printheads (up to 144 dots)	IJ - (1) 768 or (2) 384, or (2) 224 Heads IV - (8) 9 dot or (4) 18 dot, (up to 72 dots)	IJ - (1) 768 or (2) 384, or (2) 224 Heads IV - (8) 9 dot or (4) 18 dot, (up to 72 dots)	IJ - (1) 768 or (2) 384, or (2) 224 Heads IV - (8) 9 dot or (4) 18 dot, (up to 72 dots)
Memory	16 MB Flash Memory - Virtually unlimited message storage	16 MB Flash Memory - Virtually unlimited message storage	16 MB Flash Memory - Virtually unlimited message storage	16 MB Flash Memory - Virtually unlimited message storage	16 MB Flash Memory - Virtually unlimited message storage
Communication Ports	USB - 2 ports, RS-232, 100 base - T Ethernet	USB - 2 ports, RS-232, 100 base - T Ethernet	USB - 2 ports, RS-232, 100 base - T Ethernet	USB - 2 ports, RS-232, 100 base - T Ethernet	USB - 2 ports, RS-232, 100 base - T Ethernet
Printhead Features					
Printhead Part Number	IJ224	IJ224	IJ768	IJ768	IV18
Print Height	3/4"	3/4"	4"	4"	1" or 2"
Print Speed	Up to 200 fpm	Up to 200 fpm	Up to 200 fpm	Up to 200 fpm	Up to 650 fpm
Ink Type	Dye and pigmented type for porous substrates	Dye and pigmented type for porous substrates	Up to 1/4" (6mm): 1/8" (3mm) recommended	Up to 1/2" (12mm)	Porous and Non Porous
Ink Throw Distance	Up to 1/4" (6mm): 1/8" (3mm) recommended	Up to 1/4" (6mm): 1/8" (3mm) recommended	Side Mount; Option: top down printing	360 degrees for top, side and bottom coding	Up to 1/2" (12mm)
Orientation	50 - 104°F; 5 - 80% non-condensing humidity	50 - 104°F; 5 - 80% non-condensing humidity	Piezolectric (Trident)	Drop on demand, Solenoid, 1000hz	Drop on demand, Solenoid, 1000hz
Environmental	Stainless Front Plate, Anodized Enclosure	Stainless Front Plate, Anodized Enclosure	Stainless Front Plate, Anodized Enclosure	Stainless Front Plate, Anodized Enclosure, Environmentally Sealed	Stainless Front Plate, Anodized Enclosure, Environmentally Sealed
Construction					
Ink & Delivery Systems					
Controller	XLS	XLS	ES	ES	ES
Delivery System Description	CIDS3000	CIDS3000	CIDS3000ES	CIDS3000	IDS3000ES
Enclosure	Stainless Steel Environmentally Protected	Stainless Steel Environmentally Protected	Painted Steel	Painted Steel	Painted Steel
Ink Filtration	25 micron built-in supply reservoir	25 micron built-in supply reservoir	100 micron - Inline Replaceable	100 micron - Inline Replaceable	100 micron - Inline Replaceable
Operating Pressure	Output Pressure - 0 - 30 psi	Output Pressure - 0 - 30 psi	Output Pressure - 20 - 25 psi	Output Pressure - 20 - 25 psi	Output Pressure - 20 - 25 psi
Cable Ports	Communication to controller, power cord, ink status beacon	Communication to controller, power cord, ink status beacon	Ethernet, Ink low level, Ink status beacon, power cord	Ethernet, Ink low level, Ink status beacon, power cord	Ethernet, Ink low level, Ink status beacon, power cord
Ink Tubing	Maximum 70 ft. horizontal, 20 ft. vertical tube length	Maximum 70 ft. horizontal, 20 ft. vertical tube length	Maximum 100 ft. from IDS to printhead (horizontal); Maximum 20 ft. from IDS to highest printhead (vertical)	Maximum 100 ft. from IDS to printhead (horizontal); Maximum 20 ft. from IDS to highest printhead (vertical)	Maximum 100 ft. from IDS to printhead (horizontal); Maximum 20 ft. from IDS to highest printhead (vertical)
Types of Inks	Dye and pigmented type for porous substrates	Dye and pigmented type for porous substrates	Water-based for porous surfaces; solvent-based for non-porous surfaces; water resistant, alcohol resistant and wash-off inks for special applications	Water-based for porous surfaces; solvent-based for non-porous surfaces; water resistant, alcohol resistant and wash-off inks for special applications	Water-based for porous surfaces; solvent-based for non-porous surfaces; water resistant, alcohol resistant and wash-off inks for special applications
Ink Supplies	500 ml or 1 liter	500 ml or 1 liter	5 & 30 Gallon, Pressured Can (for use with PIC IDS)	5 & 30 Gallon, Pressured Can (for use with PIC IDS)	5 & 30 Gallon, Pressured Can (for use with PIC IDS)
Print Head Capability	Supports Dual Task	Supports Dual Task	Supports Single Task	Supports Single Task	Supports Single Task

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Designed & Built to Meet Your Demanding Coding Applications.

Engineered to Exceed Your Expectations.

