Versatile Case Code Printing That Really Works
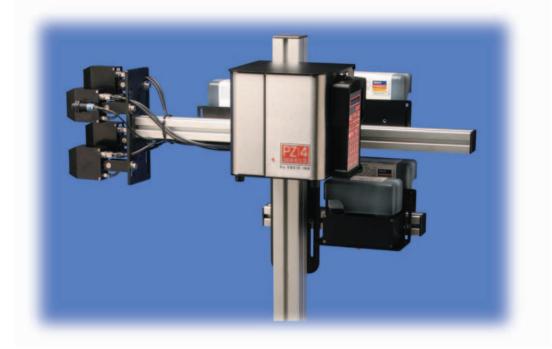

Meet All Your Ink Jet Printing Needs
Squid Ink's PZ/4 Series III printing system offers manufacturers and contract packagers the flexibility and versatility to print multiple lines of high-quality bar codes, logos, and text at an affordable price. Systems are available to print on porous or non-porous surfaces, making the PZ/4 Series III an ideal solution for all of your ink jet printing needs.

Flexible Printing For Changing Needs
Squid Ink's PZ/4 Series III offers more options for making your mark. Users have the option of printing with up to four separate printheads, allowing you to print on one or two sides of your product. PZ/4 Series III is also available with printheads ranging from .7″ max. height per printhead to 1.4″ max. height per printhead, providing a maximum of 5.6″ of print height. Whether you are printing SCC-14 bar codes on two sides of a corrugated case, or lot numbers on a PVC pipe, the PZ/4 Series III provides the right solution for your coding and marking requirements.

Superior Resolution, Superior Results
Using industry proven shared-wall technology, the PZ/4 Series III offers better print quality than competitive high-resolution printing systems. With up to 256 addressable jets per printhead, PZ/4 Series III boasts 180 dpi print resolution. The result is a system that produces razor-sharp text, scannable bar codes, and the cleanest logos and graphics on the market today. Plus, PZ/4 Series III's printhead technology is not susceptible to vibration and will not easily lose its prime, leaving you with a more consistent, lower maintenance print.

Printing That Is Easy For Everyone
PZ/4 Series III is designed to work as an integral part of your day-to-day packaging operation. Fully functional ImageMaster PC software provides users with complete control of their printing system and includes ethernet connectivity, WYSIWYG message design, message storage and message retrieval. Two USB ports allow users to connect external data, such as flash disks or floppy drives. An optional, industrial-strength handheld terminal is available for users who want message control directly at their printer location. Either way, printing is fast and easy, making everyone involved a smooth operator.

Ink Jet Printing That You Can Afford
If you have wanted to start printing logos or high-resolution bar codes on your products, but felt your budget restricted you from doing so, the PZ/4 Series III offers a new level of economy. Eliminate pre-printed cases or expensive product labels by printing directly on your primary or secondary packaging. In addition, PZ/4 Series III utilizes ink directly manufactured by Squid Ink, eliminating the multiple layers of distribution commonly associated with product marking while saving your company money. Any way you look at it, Squid Ink's PZ/4 Series III provides users with an affordable solution to meet all of your product marking needs.

The Right Solution
Innovative system. Rugged design. Lower cost of ownership. Your benefits go on and on. When it comes to industrial ink jet printing, rely on Squid Ink's PZ/4 Series III to provide the right solution for your marking and coding needs.

GO WITH THE FLOW.

SQUID INK
MANUFACTURING

PZ/4 SERIES III *INK JET PRINTING SYSTEM*

PZ/4 Series III Printing System Components

- Controller system
- One to four printhead(s) with data cable(s) and ink line(s)
- One to four ink delivery system(s)
- Photocell product sensor and photocell mounting bracket
- 128MB USB flash disk

PZ/4 Series III utilizes oil-based or solvent-based inks for printing on a wide range of porous and non-porous surfaces.

PZ/4 Series III offers better print quality than competitive ink jet printing systems.

An industrial-strength input device provides quick and easy message programming.

Low ink beacon notifies users of a low ink situation.

PZ/4 Series III Printing System Specifications

Print Technology - Third generation piezo impulse printhead technology with porous and non-porous ink capability

Print Speed - Up to 200 feet/minute (61m/minute) line speed at 200 dpi resolution with high-speed printheads

Vertical Print Resolution - 185 dpi capable of printing razor-sharp graphics, small characters and scannable bar codes

Horizontal Print Resolution - 200 dpi

Maximum Print Height - .7″ (1.8cm) per 128 printhead, and 1.4″ (3.6cm) per 256 printhead for up to 5.6″ (14.2cm) of total print height

Clock - Real time with battery back-up

Low Ink Indicator - Warning light beacon optional

User Interfaces - Handheld Terminal—optional user interface for local system programming, message storage and message retrieval; PC—utilizes ImageMaster® software for loading graphics, additional bar codes and additional fonts

Product Sensor - Reflective type standard; proximity, thru-beam or other type optional

Communication Interfaces - System includes three female DB-9 connectors for photocell, encoder, input device or other RS-232 device, one male DB-9 connector for laser scanner, auto data or alarm out feature, one ethernet port for PC or network connection.

USB - Two USB ports for message storage and data transfer

Electrical Requirements - Universal input, 90 - 240 VAC, 50/60 Hz, less than 0.5 amp

Cabinet Construction - Stainless steel and powder-coated aluminum

Operating Environment - 34°F (-1°C) to 120°F (50°C)

Substrate Capabilities - Porous and non-porous surfaces

Ink Capabilities - Several Squid Ink formulations available to meet your application needs for adhesion and dry time

Ink System - 500ml cartridge, mechanical purge pump, simple ink system design features no moving parts; optional 350ml bag system for pigmented inks

ImageMaster Software Specifications

Time and Date - Multiple formats including 3-letter month, 3-letter day, 2-digit month, 2-digit day, 2-digit hour, 2-digit minute, 2-digit second, 4-digit year, 2-digit year, 1-letter month, 2-digit week, 12- or 24-hour clock, AM or PM, Julian date

Use By Date - Offset in number of days

Item Numbering - Sixteen printable counters

Shift Codes - Four programmable shift codes with automated roll-over

Bar Codes - Code 39, Interleaved 2 of 5, UPC-A, EAN-8, EAN-13, Code 128, UCC-128, SCC-14, SSCC-18, Postnet, MSI, PDF417, DataMatrix and Codabar, resident software allows variable data to be embedded with bar codes

Fonts - Five resident fonts (ten character sizes each) standard; additional fonts optional

Printing Features - reverse, invert, inverse, rotate, repeat print, bold, multiple ink drop

Number of Messages - Unlimited

Message Length - Up to 120 inches

Graphics - Any Windows bitmap in 1-bit format can be used

Ink Usage - Automatically calculated for each message

Security - Full-featured, password-based security functions allow message and setup protection

User Prompts - Programmable prompts for user input at time of start-up; Auto re-start of last message; saved messages include all machine setups; selectable internal de-bounce for switch and relay print start signals

PZ/4 Series III Optional Accessories

ImageMaster Software - For simple message design and print control; messages can be downloaded and recalled with handheld input device

Trigger - Two-wire trigger cable or photocell

Encoder - For operation with variable speed conveyors; required for printing bar codes

Bar Code Laser Scanner - Allows scan and print message retrieval

Floor Stand - Includes mounting brackets and legs with leveling feet; 57″ (1.5m) total height

Low Ink Light Beacon - Beacon notifies user of low ink situation

Infrared Drying System - Facilitates quick drying on non-porous substrates

Pigmented Ink System - Bag ink delivery system for pigmented inks

Starter Kit - Includes ink, cleaner and flush solution, flush kit, printhead wipes, hand cleaner and latex gloves

Installation and Training - On-site installation and training available

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