World Class Printing Systems
for **Real World Applications**

VECT⊕R XII
MODULAR PRINTING SYSTEM

MORE OPTIONS FOR MAKING YOUR MARK

Squid Ink's Vector XII modular ink jet printing system allows manufacturers and contract packagers to print up to 12 lines of code at a cost-effective price. Squid Ink lets you have it your way: standard dot matrix characters, or Squid Ink's innovative, new hi-definition characters. Dot matrix characters are the industry standard for ink jet coding. Hi-definition characters are bolder, easier to read,and can be seen accurately from greater distances. In addition, users can select between water-based systems for printing on porous surfaces like corrugated cases, or solvent-based systems for printing on non-porous products like plastics, metals or more. No matter what product you need to print, Vector XII has the functionality to get the job done right.

OUT WITH THE OLD, IN WITH THE NEW

Vector XII is an innovative replacement for the Marsh® ML8 or Patrion™ systems, Diagraph Series One™ or Telemark™ systems, and Videojet Maxum™ printing systems. If your operation is struggling to maintain outdated printing equipment or are frustrated with manufacturers who no longer support this equipment, be sure to give us a call. You will be pleasantly surprised to find the new level of quality and performance offered by the Vector XII.

USER FLEXIBILITY

Vector XII users have the option of choosing from several different printhead combinations. Two different printhead sizes are available: 1" or 1 3/4" character height. Each printhead is capable of printing at 100%, 40%, or 26% character height, offering six print sizes ranging from 1/2" to 1 3/4" . Users also have the flexibility to run up to 6 different printheads of any size at the same time. No other system has this versatility. All of these components are field installable for future upgrade to meet your application's changing requirements. And unlike any other DOD printing system in the industry, Vector XII offers up to 12 lines of print from a single controller.
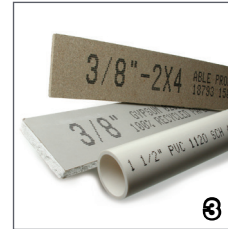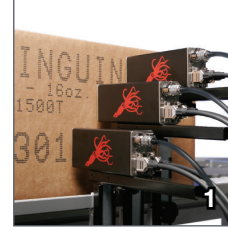
USER-FRIENDLY SYSTEM

The Vector XII is designed for simple day-to-day operation. Vector XII's state-of-the-art input device provides quick and easy message programming and retrieval for up to 128 messages. Resident software accessed from the hand-held input device walks users through a series of prompts to program and save each message for printing on-demand. The system can also be programmed and maintained with a PC through a standard RS-232 port. Vector XII's easy-to-use design and user-friendly software makes everyone involved a smooth operator.

INNOVATIVE TECHNOLOGY, PROVEN RELIABILITY

Patented micro-channeling printhead technology eliminates the need for a costly array of fluid valves. Squid Ink uses its own plunger technology and distributes ink through a series of channels, keeping production and maintenance costs to a minimum, especially when compared to the costly valve technology common in most ink jet printers today.

THE RIGHT SOLUTION

Rugged design. Low maintenance operation. User friendly software. Low cost of ownership. Your benefits go on an on. When it comes to industrial ink jet printing, rely on Squid Ink to provide the right solution for your coding and marking needs.

1) *Users can run up to 12 lines of print from a single controller.*

2) *Vector XII ink delivery system allows printing with water-based or solvent-based ink.*

3) *Vector XII utilizes water-based or solvent-based inks for printing on a wide range of porous and non-porous surfaces.*

4) *Versatile controller design allows users to upgrade or replace PC boards within minutes.*

SYSTEM SPECIFICATIONS:

- **Print Type -** Large character dot matrix ink jet printing system
- **Printhead Options -** Users have the option to use up to Six V-1600 Series Printheads, or Six V-1600HD Series Printheads
- **Character Sizes -**
  V-1600 Series Printheads (16-channel dot matrix characters)
  ▪1.75" (4.45cm) at 100% 16 dot height, 0.70 (1.77cm) at 40% 7 dot height, or 0.46" (1.16cm) at 26% 5 dot height with split-line capability to print two lines of text
  ▪1.0" (2.54cm) at 100% 16 dot height, 0.40 (1.01cm) at 40% 7 dot height, or 0.27" (0.68cm) at 26% 5 dot height with split-line capability to print two lines of text**-**
- **V-1600HD Series Printheads (32-channel hi-definition characters)**
  ▪1.75 (4.45cm) at 100% 16 dot height, 0.70 (1.77cm) at 40%
- 7 dot height, or 0.46 (1.16cm) at 26% 5 dot height with
- split-line capability to print two lines of text
- **Character Set -** 61 character ASCII set
- **Print Speed -** 20 feet/minute (6.1m/minute) to 300 feet/minute (91.44m/minute) line speed depending on message length
- **Message Length -** 128-character length per message per board pack; 128 memory locations
- **Communication -** RS-232C, 9600 baud, 8 data bits, 1 start, 1 stop, asynch
- **Software Features -** Counter, lot counter, 24-hour clock, 8-or 12- hour programmable shift code, Julian date, 3-letter month name, 3-letter weekday name, expiration date, expiration month, expiration day, expiration year, expiration Julian date
- **Operating Features -** Dot size, print delay, character width, character boldness, photocell on/off/repeat/encoder input, invert print, reverse print, purge routine
- **Encoder Output -** Resident software allows communication with shaft encoder

SYSTEM SPECIFICATIONS: (CONTINUED)

- **Component Modularity -** Eliminates the need for costly service calls and minimizes downtime; printheads and components can be replaced in less than 5 minutes
- **Printhead Dimensions -** 2.5" (6.4cm) H x 1.5" (3.8cm) W x 7" (17.8cm)L; dimensions are for the printhead only—an additional 3" (7.6cm) is needed for the ink line and printhead cabling
- **Product Sensor -** Diffuse beam photocell (20v) or hardware sinking signal, other photocell options available upon request
- **Electrical Requirements -** 90 - 240 VAC, 50/60Hz, 8 amp
- **Cabinet Construction -** Industrial-gauge-coated steel
- **Operating Environment -** 30°F (0°C) to 122°F (50°C)
- **Substrate Capabilities -** Porous or non-porous substrate printing capability, specify at time of order
- **Ink Volume -** 5-gallon (18.93 liter) pail or 17-gallon (64.35 liter) returnable container

OPTIONAL ACCESSORIES

- **Spare Parts Kit -** Includes spare printhead, board assembly, data cable, ink line kit and master cap
- **Starter Kit -** Includes ink, cleaner for flushing the system, spray bottle for cleaner, hand cleaner, printhead wipes and 70mm cap wrench
- **PC Software -** Communications software for PC integration
- **Shaft Encoder -** Allows operation with variable-speed conveying systems
- **Bar Code Laser Scanner -** Allows scan and print message retrieval
- **Low Ink Light Beacon -** Beacon notifies users of low-ink situations
- **Turbo-Dri Drying System -** Facilitates quick drying on non-porous surfaces
- **Floor Stand -** Includes mounting bracket and legs with leveling feet,

SQUID INK®
an ENGAGE Technologies Company

SQUID INK CODING & MARKING SOLUTIONS | EASTEY CASE SEALING & SHRINK PACKAGING EQUIPMENT | AFM SHRINK SLEEVE & LABELING SOLUTIONS

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