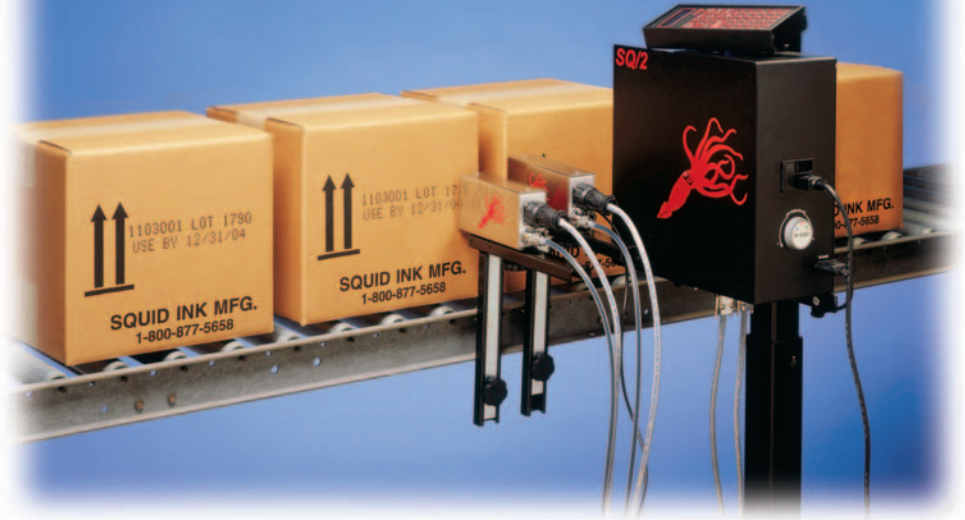




# SQ/2

## LARGE CHARACTER INK JET PRINTING SYSTEM

**Reliable.**  
**Versatile.**  
**Affordable.**



### High Quality Print On Any Type Of Product

Squid Ink's SQ/2 ink jet printing system allows manufacturers to print high quality dot-matrix characters on a variety of products at a cost-effective price. In fact, the SQ/2 offers the lowest price per printed character in the industry today. Users can choose between two models: a water-based system for printing on porous surfaces like corrugated cartons, paper or wood, or a solvent-based system for printing on non-porous products like plastics, stretch wraps, metals, glass or more.

### User Flexibility

SQ/2 users also have the option of choosing from several printhead configurations. Three different print sizes are available: 3/4", 1/2" or 3/8" character height. All printheads are capable of printing both a 7 x 5 and 5 x 5 character matrix, offering print sizes ranging from 1/4" to 3/4" in height. Users also have the flexibility to run one or two printheads at any time. All of these components are field-installable for future upgrade to meet your application's changing requirements.

### User-Friendly System

The SQ/2 is designed for simple day to day operation. SQ/2's state of the art input device provides quick and easy message programming and retrieval for up to 64 messages. Resident software in the input device walks the user 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.

### Innovative Technology And Proven Reliability

Patented micro-channeling technology eliminates the need for a costly array of fluid valves. Squid Ink uses its own proven 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.

### No More Service Calls

The SQ/2 was engineered inside and out for industrial-strength operation. Heavy-duty gauge coated steel cabinetry ensures continuous operation in harsh, real world environments. If the printer does fail, a fix can be completed in less than five minutes. Quick and easy-to-install replacement printheads, PC cards and air pump modules minimize downtime and eliminate costly service calls. Best of all, the water-based SQ/2 utilizes Squid Ink's patented SQ-60™ no-clog ink, allowing users to leave the ink in their printheads for an extended period of time without flushing or cleaning, making it the most cost-effective, low maintenance ink jet printing system available today.

GO WITH THE FLOW.

**SQUID INK**  
MANUFACTURING

# SQ/2 LARGE CHARACTER INK JET PRINTING SYSTEM

## SQ/2 Printing System Components

- Controller cabinet and ink delivery system
- One or two printhead(s) and printhead mounting bracket(s)
- Printhead data cable(s) and ink line(s)
- Photocell product sensor and photocell mounting bracket
- Industrial-strength hand-held input device



Squid Ink's patented SQ-60™ no-clog ink allows users to leave ink in their printhead without having to flush their system.



Run one or two printheads; select from three different printhead sizes; all components are field-installable.



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



The SQ/2 utilizes water-based or solvent-based inks for printing on a wide range of porous and non-porous surfaces.

## SQ/2 Printing System Specifications

<b>Printer Type</b>	Large character ink jet printer
<b>Character Height</b>	.75" (1.9cm) in 7 x 5 matrix; .5" (1.3cm) in 5 x 5 matrix, or .5" (1.3cm) in 7 x 5 matrix; .375" (1cm) in 5 x 5 matrix, or .375" (1cm) in 7 x 5 matrix; .25" (.6cm) in 5 x 5 matrix
<b>Character Set</b>	61 character ASCII set
<b>Print Speed</b>	20 feet/minute (6.1m/minute) to 200 feet/minute (61m/minute) line speed; optional extended character width firmware allows for print speeds slower than 20 feet/minute
<b>Message Length</b>	60 characters per message; 64 memory locations
<b>Communication</b>	RS-232C, 9600 baud, 8 data bits, 1 start, 1 stop, Async
<b>Software Features</b>	24-hour clock, Julian date, counter, lot counter
<b>Operating Features</b>	Dot size, print delay, character width, photocell on/off, invert print, reverse print, purge routine
<b>SQ/2 Exchange Program</b>	Eliminates the need for costly service calls and minimizes downtime; troubled printheads and components can be replaced in less than 5 minutes
<b>Controller Dimensions</b>	12" (31cm) H x 12" (31cm) W x 5.25" (13cm) D
<b>Controller Weight</b>	10.5 lbs. (4.8kg)
<b>Printhead Dimensions</b>	3" (7.6cm) H x 1.6" (4.1cm) W x 7" (17.8cm) L; dimensions are for the printhead only – an additional 3" (7.6cm) is needed for the ink line and cabling which extends from the back of the printhead
<b>Product Sensor</b>	Diffuse beam photocell (24v) or hardware sinking signal
<b>Electrical Requirements</b>	110/120 VAC, 50/60Hz, 1.6 amp
<b>Cabinet Construction</b>	Industrial gauge coated steel
<b>Operating Environment</b>	38°F (3°C) to 122°F (50°C)
<b>Substrate Capabilities</b>	Porous or Non-Porous surfaces
<b>Air Requirements</b>	No external air needed
<b>Ink Capabilities</b>	Porous: Squid Ink SQ-60™ no-clog ink Non-Porous: Several Squid Ink solvent based fluids to meet adhesion and dry time needs
<b>Ink Volume</b>	.5 (1.89 liters) gallon bottle standard; available upgrade (water-base ink only) to 5.0 gallon pail (18.93 liters)

## SQ/2 Optional Accessories

<b>Spare Parts Kit</b>	Includes spare printhead, card cage and PC board pack, air pump module, data cable and master cap
<b>Starter Kit</b>	Includes ink, cleaner for flushing the system, spray bottle for cleaner, hand cleaner and lint-free wipes for the printhead
<b>5-Gallon Pail Upgrade</b>	Upgrades ink supply to 5.0 gallons (water-base ink only)
<b>PC Software</b>	Communications software for PC integration
<b>Repeat Print Firmware</b>	Allows continuous printing of messages
<b>Extended Character Width Firmware</b>	Allows for print speeds slower than 20 feet/minute
<b>Rollaway Stand</b>	Provides mount for the SQ/2 controller, designed with caster wheels for transportation within plant
<b>Installation and Training</b>	On-site installation and training available



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