SQ-10 CO_2 LASER CODING SYSTEM

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

SQ-10
CO_2 LASER

MORE OPTIONS FOR MAKING YOUR MARK

Squid Ink's SQ-10 laser coding system is designed for high speed food and beverage, pharmaceutical, cosmetic, and other primary coding applications. Squid Ink CO_2 lasers can permanently mark onto paper, cardboard, plastic, and more.

APPLICATION VERSATILITY

- Permanent coding of text, time and date, bar codes, serial numbering and more
- Quick and easy installation for both stationary and moving products
- Easily fits into production environments where space is limited
- Laser head can be rotated 90° in less than 5 minutes

RELIABLE AND ECONOMICAL

- No ink/consumables for lower cost of ownership
- Clean and eco-friendly coding system
- Rugged cast aluminum controller body
- IP54 rating ensures maximum reliability and uptime in demanding applications
- Integrated key switch and interlock relay for increased safety on the production floor
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HIGH QUALITY CODE GENERATION

- Scribing technology produces non-dot matrix, razor sharp marks on a variety of substrates
- Ability to mix different fonts and logos in a single message
- Discrete coding ability for anti-counterfeiting and traceability
- Ideal coding alternative where CIJ systems are not practical

EASY TO START, SIMPLE TO RUN

- All-in-one design for fast installation and line changes
- Easy to use touchscreen software built right into controller
- Optional 10" touchscreen controller for remote system programming where space is limited
- Intuitive system includes focus finder and code area preview window on product during setup; enables initial laser marking setup within minutes
- Easily configurable in a variety of angles with optional mobile stand
- Optional fume extraction systems available that connect directly to SQ-Laser systems

THE RIGHT SOLUTION

Rugged design. High quality coding. Low cost of ownership. Your benefits go on and on. When it comes to industrial laser coding, rely on Squid Ink to provide the right solution for your coding and marking needs.

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1) *An optional heavy duty stand is available to simplify setup and install the system in a variety of configurations.*

2) *The laser head can be rotated 90 degrees in less than 5 minutes.*

3) *Easy to use touchscreen software is built right into the controller.*

4) *An optional 10" touchscreen controller allows system programming in limited space environments.*

SYSTEM SPECIFICATIONS

- **Print Technology -** CO_2 laser coding system, full sealed RF-excited metal tube
- **Laser Wavelength -** 10.6µm
- **Laser Galvanometer -** High-precision 2D high-speed scanning galvanometers
- **Cooling Method -** Atmospheric air-cooled
- **Dust Way -** Sealed
- **Power Consumption -** 500W-1000W (110VAC, 60Hz)
- **Marking Focal Length -** 100mm - 190mm
- **Positioning Accuracy -** 0.01mm
- **Minimum Line Width -** 0.1mm
- **Marking Area -** 50mm X 50mm - 175mm X 175mm
- **Assembly Line Speed Support -** <120m/min
- **Marking Speed -** 800 - 1000 characters/second
- **Character Size -** Adjustable in marking range
- **Marking Line Number -** Code Rotation – 0 to 360°
- **Software Features -** Counter, lot counter shift code, time and date, expiration date, 2D and linear bar codes
- **Operating Languages -** English and Chinese
- **Cabinet Construction -** Heavy duty cast aluminum
- **Cabinet Dimensions -** 29" (74cm) L x 6.25" (16cm) W x 7.25" (19cm) H
- **Electrical Requirements -** 90 - 240 VAC, 50/60Hz
- **Operating Environment -** 40°F - 105°F (5°C - 40°C)
- **Humidity Range -** 10 – 90% relative humidity, non-condensing
- **Packaged Weight -** 56 lbs. (25kg)

OPTIONAL ACCESSORIES

- **Print Trigger -** Optical, fiber optic, ultrasonic, laser, metal proximity, capacitive proximity
- **Encoder -** For operation with variable speed conveyors
- **Mobile Stands -** Heavy duty stand with ability to rotate laser controller in any direction and easily raise and lower marking machine by a single operator; includes casters for easy transportation within plant
- **90 Degree Head Pivot Extension -** Mirror assembly that allows marking head to point lens in line with unit axis
- **Hand Held 10" Touchscreen Controller -** Allows complete control of the system when access is limited due to mounting requirements
- **Laser Fume Extraction Systems -** SQ-LFX or SQ-LFX PVC for the proper extraction of laser application fumes
- **Installation and Training -** On-site installation and training available

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