World Class Printing Systems for Real World Applications

HI-RES PRINTING SYSTEMS
- COPILOT
- COPILOT 128
- COPILOT 256
- COPILOT 500
- AUTOPILOT

DOD LARGE CHARACTER PRINTING SYSTEMS
- SQ/2
- SQ/2 SCORPION
- VECTOR XII

PRIMARY PRODUCT MARKING
- STREAMLINE 5
- SQ-LASER
- SQ-TTO
- UV LED CURING

INK JET FLUIDS, SOFTWARE & CONVEYORS
- REPLACEMENT INKS & FLUIDS
- ORION CODING & MARKING SOFTWARE
- VARIABLE SPEED CONVEYORS

1 (800) 877-5658 www.squidink.com
FEATURE-RICH SYSTEM AT A ENTRY LEVEL PRICE
The CoPilot offers several advantages over competitive systems. Users can expect 30% larger print, increased throw distance and approximately 5 times larger ink volume.

DURABILITY, VERSATILITY & PRODUCTIVITY
Whether you are printing lot codes on coated cartons, bar codes on corrugate cases, or product information and logos on PVC pipe you’re sure to find the right solution with Squid Ink’s CoPilot 128.

RUGGED DESIGN & LOW MAINTENANCE OPERATION
With up to 1.4" of print height per head (2.8" total) and the ability to print on both sides of the substrate in a single pass, the CoPilot 256 is designed to work as an integral part of your day-to-day packaging operation.

MORE OPTIONS, BETTER PRINT
The CoPilot 500 is designed to print superior quality hi-resolution with up to 2.8” of print height per printhead and the ability to run up to 2 printheads from one controller.
SIMPLE DAY-TO-DAY OPERATION

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.

MORE OPTIONS TO MAKE YOUR MARK

SQ/2 Scorpion users have the option of choosing from several printhead configurations. Five different print sizes are available: 3/8”, 1/2”, 3/4”, 1” or 1-3/4” character height. All printheads are capable of printing at 100% or 70% character height, offering 12 print sizes.

MODULAR PRINTING SYSTEM

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”.
Squid Ink's laser coding systems are designed for high-speed food and beverage, pharmaceutical, cosmetic, and other primary coding applications. Squid Ink lasers can permanently mark onto paper, cardboard, plastic, glass, wood, coated metal, leather, and more.

**SYSTEM SPECIFICATIONS**

- **Printhead Technology**: Continuous Ink Jet
- **Nozzle Size**: 70μm standard, 60μm & 50μm optional
- **Print Speed**: Up to 1,000 ft/min (305m/min) 5x5 matrix
- **Max Print Lines**: 5 lines (5x5 font, 4 lines @ 7x5 matrix)
- **Font Matrix Config.**: 5x5, 7x5, 9x9, 12x12, 16x16, 24x24, 32x32
- **Character Height**: 0.07" – 0.59" (1.8mm – 15mm)
- **Throw Distance**: Up to 1.2" (30mm) from printhead
- **Touchscreen/Display**: Revolutionary wifi tablet HMI
- **Software Features**: Counter, lot, shift code, time & date
- **CleanJet™**: Quick & easy one button auto cleaning

**SYSTEM SPECIFICATIONS**

- **Printhead Technology**: CO2 laser, sealed RF-excited metal tube
- **Laser Wavelength**: 10.6μm
- **Laser Galvanometer**: 2D high-speed scanning galvanometers
- **Cooling Method**: Atmospheric air-cooled
- **Power Consumption**: 500W-1000W (110VAC, 60Hz)
- **Marking Focal Length**: 100mm-190mm (133mm SQ-10 & SQ-30)
- **Positioning Accuracy**: 0.01mm
- **Minimum Line Width**: 0.1mm
- **Marking Area**: 50mm X 50mm - 175mm X 175mm
- **Assembly Line Speed**: <120m/min
- **Marking Speed**: 800 - 1000 characters/second

**SYSTEM SPECIFICATIONS**

- **Print Area**: SQ-32i (32mm x 46mm)
  - SQ-32c (32mm x 106mm)
- **Print Speed**: SQ-32i (225mm/s, 500PPM)
  - SQ-32c (650mm/s, 300PPM)
- **Ribbon Length**: 600M
- **Ribbon Gap**: 0.5mm or less
- **Touchscreen Interface**: RS232 port, USB for message transfer
- **User Interface**: Job creation w/o PC, self - diagnostic
- **Print Body**: Font selection, logos, serialized data

**SYSTEM SPECIFICATIONS**

- **Illumination Area**: Single Head 20mm x 88mm
  - Dual Head 40mm x 80mm or 20 x160
- **Wave Length**: 395 ± 5nm
- **Irradiancy**: 12W/cm²
- **Illumination Height**: 1.5 – 10mm from substrate
- **Production Line Dry**: Up to 55m/min depending on substrate
- **Control Modes**: Manual or automatic
- **Output Control**: 10% - 100%
- **Power Supply**: 90 - 220V AC 50/60Hz 300W
- **LED Lifetime**: 20,000 hours or more

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**SQ-LASER**

**LASER CODING SYSTEMS**

Squid Ink’s laser coding systems are designed for high-speed food and beverage, pharmaceutical, cosmetic, and other primary coding applications. Squid Ink lasers can permanently mark onto paper, cardboard, plastic, glass, wood, coated metal, leather, and more.

**SQ-TTO**

**THERMAL TRANSFER OVERPRINTER**

Squid Ink line of TTO coders offers consistent, hi-res print quality for users in a number of industries including food, healthcare, cosmetic, pharmaceutical, and more. SQ-TTO allows users to program and edit messages on the production floor with an easy to use touchscreen controller.

**SQ-ID**

**UV LED CURING SYSTEM**

The Squid UV LED Curing System from Squid Ink offers accurate and consistent UV curing across a variety of commercial and industrial applications. Whether you need to cure ink on metal, glass, automotive products, plastics, electronics and more, you’re sure to find the right solution.

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**SQUID UV**

**LED CURING SYSTEM**

www.squidink.com
MODERN DAY MESSAGE CREATION
The Orion Graphical Package allows users to easily connect to Squid Ink industrial printers and create and edit message files from a Windows® PC. The WYSIWYG message creation platform provides the functionality and versatility that today’s applications require.

SOFTWARE REQUIREMENTS
Operating System Windows® XP Service Pack 3 (SP3)
Processor Pentium® II, 1 GHz (or higher)
Memory 512 MB
Hard Disk Space 50 MB
Video 4 MB, Windows® XP compatible SVGA
Resolution 800 x 600
Color Depth 16-Bit recommended
Ethernet Port IEEE 802.3 10BASE-T, 10 Mbps min, RJ-45
Firewall / Printer Ports 21 (FTP), 4000 (TCP/IP), 46810, (Multicast)
Privileges Administrator privileges to install

INK JET FLUIDS, SOFTWARE & CONVEYORS

REPLACEMENT INKS & FLUIDS
 COMPLETE LINE OF REPLACEMENT INKS & FLUIDS
When it comes to ink jet printing, you can rely on Squid Ink to offer a better solution—the right solution—with our complete line of replacement coding and marking fluids.

INKS & REPLACEMENT FLUIDS BY OEM

<table>
<thead>
<tr>
<th>Inks &amp; Replacement Fluids by OEM</th>
<th>Alpha-Dot®</th>
<th>Hitachi®</th>
<th>Marsh®</th>
</tr>
</thead>
<tbody>
<tr>
<td>Citronix®</td>
<td>Iimak®</td>
<td>Matthews®</td>
<td></td>
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<tr>
<td>Diagraph®</td>
<td>Inkjet Inc®</td>
<td>Videojet®</td>
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<tr>
<td>Domino®</td>
<td>Linx®</td>
<td>Willett®</td>
<td></td>
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<tr>
<td>Fasco®</td>
<td>Loveeshow®</td>
<td>Zanasi®</td>
<td></td>
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</tbody>
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SOFTWARE REQUIREMENTS
Machinery Makeup 12 gauge powder coated steel
Variable Speed Up to 100 fpm
Conveyor Height 20”-55.5” w/o casters 24”-57.5” with
Electrical Requirements 110V 5A Single Phase

VARIABLE SPEED CONVEYORS
CONVENIENT PRODUCT TRANSPORT
Small footprint, seam-less self-tracking belt, pre-drilled holes for printer hardware, and magnetic mounted control box make the Eastey Conveyor Series an ideal solution for case coding and product transport.

CONVEYOR SPECIFICATIONS

<table>
<thead>
<tr>
<th>Model</th>
<th>Length x Width (in)</th>
<th>Machine Width (in)</th>
<th>Conveyor Width (in)</th>
</tr>
</thead>
<tbody>
<tr>
<td>EC1248</td>
<td>48.9” x 20.2”</td>
<td>20.2”</td>
<td>12”</td>
</tr>
<tr>
<td>EC1848</td>
<td>48.9” x 26.2”</td>
<td>26.2”</td>
<td>18”</td>
</tr>
<tr>
<td>EC2472</td>
<td>72” x 32.2”</td>
<td>32.2”</td>
<td>24”</td>
</tr>
</tbody>
</table>

WORLD CLASS PRINTING SYSTEMS FOR REAL WORLD APPLICATIONS
Squid Ink specializes in the manufacture of industrial inkjet printers and high quality industrial inkjet inks for the packaging industry. Our products and services are designed to provide reliable cost-effective solutions to your industrial applications. Squid Ink has relied on a wealth of knowledge and experience in the inkjet industry to design a full family of Hi-Resolution, Large Character, CIJ, UV LED, Laser and TTO printing systems. Additionally, Squid Ink has been able to formulate the most comprehensive line of Hi-Resolution, Piezo, and Large Character fluids in the product identification market today.

For more information visit www.squidink.com or contact us at 1 (800) 877-5658 or email us at info@squidink.com