

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

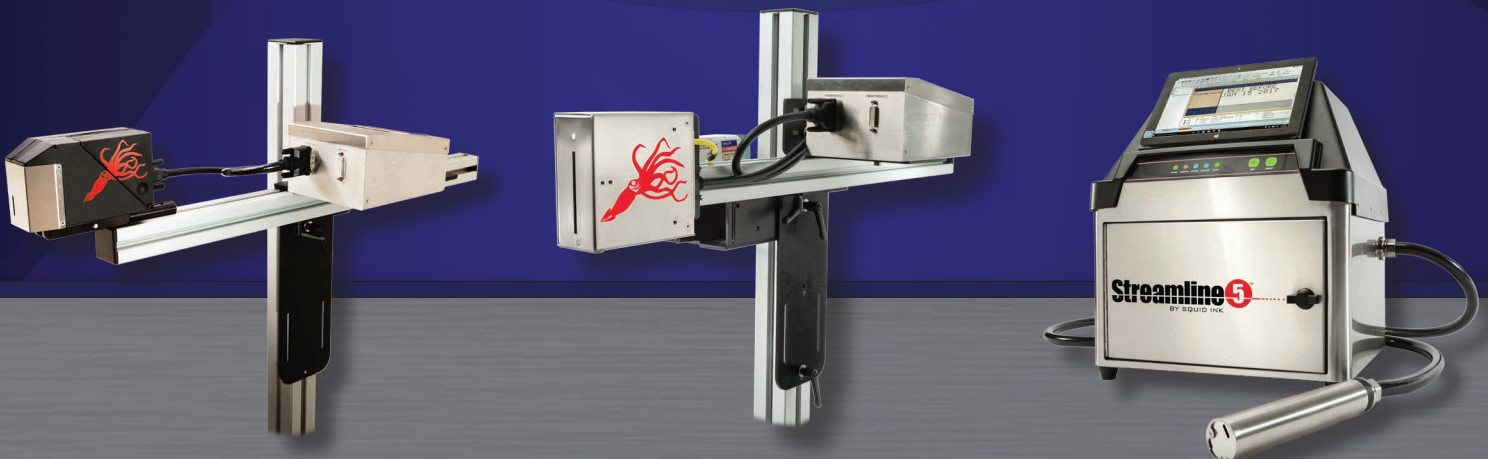
SQ/2
SQ/2 SCORPION
VECTOR XII

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



HI-RES PRINTING SYSTEMS

CO Pilot®

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.



SYSTEM SPECIFICATIONS	
Printhead Technology	Piezo impulse printhead technology
Max Print Height	0.7" (1.8cm) per printhead
Print Resolution	Up to 205 dpi (graphics, text, bar codes)
Print Speed	Up to 135 ft/min. (41m/min.) @ 205 dpi
Ink Volume	200ml cartridge
Substrate Capabilities	Porous or non-porous surfaces
SOFTWARE SPECIFICATIONS	
Time & Date	Full time & date, expiration & Julian
Shift Codes	4 programmable codes w/auto rollover
Bar Codes	All standard bar codes including 2D
Logos	Most files supported by Orion Software
Printing Features	Reverse, invert, rotate, repeat, on/off



CO Pilot 128®

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.



SYSTEM SPECIFICATIONS	
Printhead Technology	Piezo impulse printhead technology
Max Print Height	0.7" (1.8cm) per printhead
Print Resolution	Up to 205 dpi (graphics, text, bar codes)
Print Speed	Up to 135 ft/min. (41m/min.) @ 205 dpi
Ink Volume	500ml cartridge or bag
Substrate Capabilities	Porous or non-porous surfaces
SOFTWARE SPECIFICATIONS	
Time & Date	Full time & date, expiration & Julian
Shift Codes	4 programmable codes w/auto rollover
Bar Codes	All standard bar codes including 2D
Logos	Most files supported by Orion Software
Printing Features	Reverse, invert, rotate, repeat, on/off



CO Pilot 256®

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.



SYSTEM SPECIFICATIONS	
Printhead Technology	Piezo impulse printhead technology
Max Print Height	1.4" (3.6cm) per printhead, 2.8" total
Print Resolution	Up to 205 dpi (graphics, text, bar codes)
Print Speed	Up to 135 ft/min. (41m/min.) @ 205 dpi
Ink Volume	500ml cartridge or bag
Substrate Capabilities	Porous or non-porous surfaces
SOFTWARE SPECIFICATIONS	
Time & Date	Full time & date, expiration & Julian
Shift Codes	4 programmable codes w/auto rollover
Bar Codes	All standard bar codes including 2D
Logos	Most files supported by Orion Software
Printing Features	Reverse, invert, rotate, repeat, on/off



CO Pilot 500®

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.



SYSTEM SPECIFICATIONS	
Printhead Technology	Piezo impulse printhead technology
Max Print Height	2.8" (7.1cm) per printhead, 5.6" total
Print Resolution	Up to 205 dpi (graphics, text, bar codes)
Print Speed	Up to 205 ft/min. (62m/min.) @ 205 dpi
Ink Volume	500ml cartridge or bag
Substrate Capabilities	Porous surfaces
SOFTWARE SPECIFICATIONS	
Time & Date	Full time & date, expiration & Julian
Shift Codes	4 programmable codes w/auto rollover
Bar Codes	All standard bar codes including 2D
Logos	Most files supported by Orion Software
Printing Features	Reverse, invert, rotate, repeat, on/off



HI-RES (CONTINUED)

AUTO Pilot®

MAXIMIZE YOUR UPTIME

AutoPilot will print up to 0.7" of hi-resolution characters, razor-sharp text, scannable bar codes, and great looking logos. Users can run up to two printheads from a single touchscreen controller to maximize efficiency.



SYSTEM SPECIFICATIONS	
Printhead Technology	Piezo impulse printhead technology
Max Print Height	0.7" (1.8cm) per printhead
Print Resolution	Up to 180 dpi (graphics, text, bar codes)
Print Speed	Up to 135 ft/min. (41 m/min.) @ 180 dpi
Ink Volume	200ml cartridge
Substrate Capabilities	Porous or non-porous surfaces
SOFTWARE SPECIFICATIONS	
Time & Date	Full time & date, expiration & Julian
Shift Codes	4 programmable codes w/auto rollover
Bar Codes	All standard bar codes including 2D
Logos	Any Windows bitmap in 1-bit format
Printing Features	Reverse, invert, rotate, repeat, on /off



DOD LARGE CHARACTER PRINTING SYSTEMS

SQ/2

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.

SYSTEM SPECIFICATIONS	
Character Height	0.75" (1.9cm) 0.50" (1.3cm) 0.375" (1.0cm)
Print Speed	20 ft/min (6.1m/min) up to 200 ft/min
Message Length	60 characters per message
Number of Messages	64 memory locations
Software Features	Clock, Julian date, counter, lot counter
Operating Features	Dot size, print delay, character width, photocell on/off, invert print, reverse print, purge routine
Ink Volume	0.5 gallon bottle or 5 gallon pail



SQ/2 Scorpion

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.

SYSTEM SPECIFICATIONS	
Character Height (7-Channel Dot Matrix Characters)	0.75" (1.9cm) in 7x5 matrix 0.50" (1.3cm) in 7 x 5 matrix 0.375" (1.0cm) in 7 x 5 matrix
Character Height (16-Channel Dot Matrix Characters)	1.75" (4.5cm) 1.0" (2.5cm)
Print Speed	20 ft/min (6.1m/min) up to 200 ft/min
Message Length	128 characters per message
Number of Messages	128 memory locations
Software Features	Clock, Julian date, counter, lot counter
Operating Features	Dot size, print delay, character width, photocell on/off, invert print, reverse print, purge routine
Ink Volume	0.5 gallon bottle or 5 gallon pail



VECTOR XII

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".

SYSTEM SPECIFICATIONS	
Character Height (16-channel Dot Matrix Characters)	1.75" (4.45cm) 1.0" (2.54cm)
Character Height (32-channel hi-def characters)	1.75" (4.45cm)
Print Speed	20 ft/minute (6.1m/min) to 300 ft/min
Message Length	128 characters per message
Number of Messages	128 memory locations
Software Features	Clock, Julian date, counter, lot counter
Operating Features	Dot size, print delay, character width, photocell on/off, invert print, reverse print, purge routine
Ink Volume	5 gallon pail



PRIMARY PRODUCT MARKING SYSTEMS

Streamline 5[®]

CIJ SMALL CHARACTER CODER

The Streamline 5 is designed to print superior quality small characters on a variety of substrates. Printing up to 5 lines of text, the Streamline offers a reliable, yet cost effective solution for virtually any small character, primary package coding application.



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, 9x7, 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 wi-fi tablet HMI
Software Features	Counter, lot, shift code, time & date
CleanJet™	Quick & easy one button auto cleaning



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.

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



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.

SYSTEM SPECIFICATIONS	
Print Area	SQ-32i (32mm x 46mm) SQ-32c (32mm x 106mm) SQ-53i (53mm x 53mm) SQ-53c (53mm x 106mm)
Print Speed	SQ-32i (225mm/s, 500PPM) SQ-32c (650mm/s, 300PPM) SQ-53i (225mm/s, 500PPM) SQ-53c (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



SQUID UV

LED Curing System

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.

SYSTEM SPECIFICATIONS	
Illumination Area	Single Head 20mm x 80mm Dual Head 40mm x 80mm or 20 x160
Wave Length	395 ± 5nm
Irradiance	12W/cm ²
Illumination Height	1.5 - 10mm from substrate
Production Line Dry	Up to 35m/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



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		
Alpha-Dot®	Hitachi®	Marsh®
Citronix®	Ilmak®	Matthews®
Diagraph®	Imaje®	Sauven®
Domino®	Independent Ink®	Trident®
Fasco®	Inkjet Inc.®	Videojet®
Foxjet®	Linx®	Willett®
HS Automatic®	Loveshaw®	Zanasi®

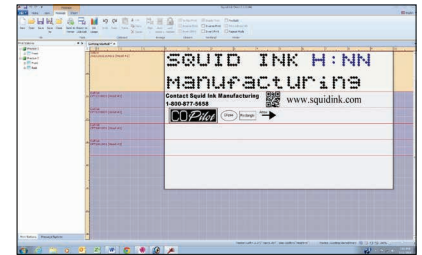


ORION® CODING & MARKING SOFTWARE

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



VARIABLE SPEED CONVEYORS

CONVENIENT PRODUCT TRANSPORT

Small footprint, seamless 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			
Machinery Makeup	12 gauge powdered coated steel		
Variable Speed	Up to 100 fpm		
Conveyor Height	20" - 33.5" w/o casters 24"-37.5" with		
Electrical Requirements	110V 5A Single Phase		
MODEL	LENGTH	MACHINE WIDTH	CONVEYOR WIDTH
EC1248	48.9"	20.2"	12"
EC1848	48.9"	26.2"	18"
EC2472	72"	32.2"	24"



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.



Squid Ink – headquartered in Brooklyn Park, Minnesota – is a single source supplier of all of your Coding and Marking needs.

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



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 CODING & MARKING SOLUTIONS	 CASE SEALING & SHRINK PACKAGING EQUIPMENT	 SHRINK SLEEVE & LABELING SOLUTIONS	 INFRARED INK DRYING FOR MAILING & PACKAGING
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