



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



# COPILOT FLEX

## FUNCTIONAL VERSATILITY

The CoPilot® Flex is designed to print superior quality hi-resolution characters, razor-sharp text, real-time information, scannable bar codes, and great looking logos on pulp, foam, or PET egg cartons. With up to .7" of print height and the ability to print multiple lines of information in a single pass, the CoPilot Flex is designed to streamline your printing process.

## MINIMAL FOOTPRINT, MAXIMUM RESULTS

CoPilot Flex is engineered for simple integration on your existing egg packing line or wherever space constraints are an issue. The system's unique and compact design allows for narrow mounting in nearly every zone of your egg packing process, eliminating the need for after-market engineering or time-consuming modifications to your existing conveyor. CoPilot Flex's small printhead adjusts to match the slope of the carton to ensure a quality hi-resolution print. The system is capable of inverting your printed message, if needed, meaning you can print your cartons in the open or closed carton zone. At print speeds of up to 135 ft/minute, the CoPilot Flex is sure to keep your production moving.

## USER-FRIENDLY SOLUTIONS

CoPilot Flex's 4.3" full-color touchscreen provides access to the system's internal messages and print functions. Messages are created and edited on Squid Ink's easy-to-use Orion™ PC software and transferred via USB, ethernet, wireless, or optional Windows® tablet. The 10.1" tablet is ideal for users who want message creation and editing capabilities on the production floor. For multiple print locations, an unlimited number of CoPilot Flex printing systems can be connected via ethernet or wireless network and controlled through one central Orion PC.

## KEEP YOUR PRODUCTION RUNNING

CoPilot Flex's 200ml ink cartridge contains nearly 5 times the amount of ink compared to many competitor's cartridges. The increased ink volume and convenient cartridge design result in less frequent changeover and reduced production downtime. Even better, Squid Ink's SI-PZ4200 solvent-based ink jet ink has been designed and tested for excellent adhesion properties on pulp, foam, and clear PET egg cartons while providing dark print that is easy to read.

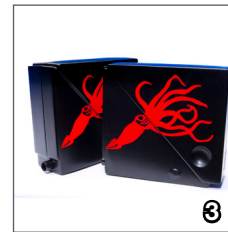
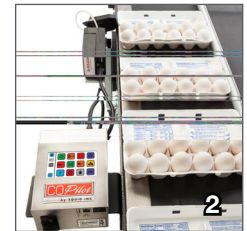
## MORE OPTIONS FOR INK

Along with providing darker print when compared to the competition, Squid Ink has an extensive library of solvent-based inks with different dry times, colors, and adhesion properties for a variety of proven applications such as pulp, PET, foam egg cartons, glossy or uncoated cases, and more.

## THE RIGHT SOLUTION

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





**1)** CoPilot Flex's compact printhead is designed to match the slope of the egg carton, resulting in high-quality print.

**2)** The unique design of the CoPilot Flex allows for parallel conveyor mounting to maximize available aisle space.

**3)** 200ml ink cartridges offer simple and clean ink changes.

**4)** CoPilot Flex's 4.3" full color touchscreen provides access to the system's internal messages and print functions.

## SYSTEM SPECIFICATIONS:

- **Print Technology** - Piezo impulse printhead technology
- **Maximum Print Height** - .7" (1.8 cm) per printhead
- **Vertical Print Resolution** - 185 dpi capable of printing razor-sharp graphics, small character text, and scannable bar codes
- **Horizontal Print Resolution** - 205 dpi
- **Print Speed** - Up to 135 feet/min. (41 m/min.) @ 205 dpi standard
- **Time & Date** - Internal real time clock with battery back-up
- **Product Sensor** - External diffuse beam photocell standard
- **Communication Interface** - One USB host and one Ethernet input
- **Touchscreen** - 4.3" (10.9 cm) full color touchscreen display
- **Ink Cartridge Volume** - 200ml cartridge
- **Low Ink Indicator** - Status alert on touchscreen, light beacon optional
- **Substrate Capabilities** - Non-Porous surfaces
- **Electrical Requirements** - 100 - 240 VAC, 50/60 Hz
- **Operating Environment** - 34°F - 104°F (1° - 40°C)
- **Conveyor Mounting Bracket** - Provides stable mount to conveyor or other material handling equipment

## OPTIONAL ACCESSORIES

- **Encoder** - For operation with variable speed conveyors
- **Bar Code Laser Scanner** - Allows scan and print message retrieval
- **External Light Beacon** - Indicates low ink levels
- **Wireless USB Device and Router** - For wireless connectivity
- **Windows Tablet** - Pre-loaded with Orion™ software; includes mounting bracket with swivel arm, USB to ethernet cable and stylus
- **Starter Kit** - Includes ink, cleaner and flush solution, printhead wipes, hand cleaner and latex gloves

## ORION SOFTWARE SPECIFICATIONS

- **Time & Date** - Full time and date functionality including expiration date and Julian Dates
- **Item Numbering** - Sixteen counters, one of which can be a daily counter and production counter
- **Shift Codes** - Four programmable shift codes with automatic rollover
- **Bar Codes** - All standard bar codes including 2D
- **Fonts** - Arial, Arial Bold, Arial International, Arial Monospaced, Courier, Tahoma Bold and Lucida resident fonts for use in variable data elements. Static elements in any Windows® font
- **Logos** - Most image files supported with Orion software
- **Printing Features** - Reverse, invert, rotate, repeat; print on/off button
- **Message Length** - Up to 180" (4.5 m)
- **Number of Messages** - 4GB storage space will store approximately 1000+ messages
- **Ink Usage** - Shown in Orion software
- **User Data Prompts** - Prompts for user input at start of print job by manual input on touchscreen
- **Bluetooth Connectivity** - For connectivity with Bluetooth keyboards
- **Wireless Connectivity** - For wireless connection between PC or tablet and printer controller
- **Database Capability** - Ethernet communication protocol for external communication
- **Languages** - English, Spanish, German, Chinese, Japanese, Korean, Russian



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