DARTRONICS, INC.
PACKAGING AUTOMATION SPECIALISTS

COPILOT MAX LT

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



WiFi ENABLED
Windows TABLET ENABLED

CoPilot MAX LT

BACK IT UP
Squid Ink's CoPilot® Max LT long throw printing system has redefined the hi-resolution industrial ink jet coding and marking industry with an unprecedented 10-12mm throw distance. That's up to .5" away from the substrate, ideal for overfilled cases, angled or recessed surfaces, irregular shaped products, or inconsistent product handling. Extended throw distance is also helpful to protect the printhead from fast moving cases or heavy industrial products.

BIGGER, BETTER, FASTER
Squid Ink's CoPilot Max LT printing system can easily handle high speed applications with the ability to run up to 440 fpm at 150 horizontal dpi, or up to 220 fpm at 300 horizontal dpi. With up to 2.8" of print height per printhead and the ability to run up to 2 printheads from one controller, the CoPilot Max LT offers a versatile, yet cost effective solution for your coding and marking applications.

MAKE YOUR MARK
CoPilot Max LT utilizes Squid Ink's revolutionary active ink system, allowing users the ability to tilt or rotate the printhead in any direction without making height adjustments to the ink supply. The system prints hi-resolution characters, razor-sharp text, scannable bar codes and great looking logos at up to 360 dpi, nearly twice the resolution of competitive printers in its class.

USER FRIENDLY DESIGN
CoPilot Max LT features a 4.3" full color touchscreen that allows users 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 tablet is ideal for users who want message creation and editing functionality on the production floor. For larger applications, an unlimited number of CoPilot Max LT printing systems can be connected via ethernet or wireless network and controlled through one central Orion PC.

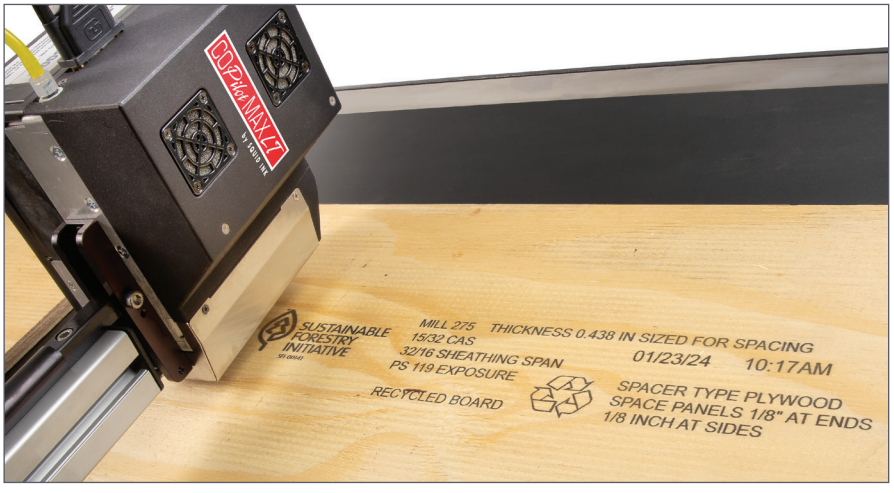
SEAMLESS INTEGRATION
The CoPilot Max LT is designed to meet the harsh demands of your applications. The printer features a durable touchscreen, industrial strength printhead construction, and simple active ink delivery. You can be confident that CoPilot Max LT's rugged design will withstand the most abusive industrial environments while providing superior quality print. The CoPilot Max LT also features a large 500ml snap-in cartridge, allowing users the ability to swap ink cartridges in a matter of seconds. The generous ink volume, quick-change ink cartridge, and user¬friendly touchscreen design allows users to keep their line running, reducing downtime and maximizing ROI.

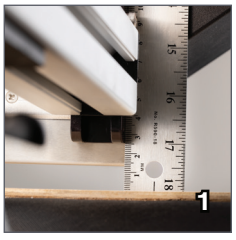
AFFORDABLE PRODUCT CODING
The CoPilot Max LT lets users meet the GS1 barcode specification for less. CoPilot Max consumable costs are typically 1/10 of the cost of paper labels, and eliminate pre-printed cartons and SKUs of label inventory. Any way you look at it, Squid Ink's CoPilot Max provides users with an affordable solution to meet their ink jet coding needs.

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 industrial ink jet printing, rely on Squid Ink to provide the right solution for your coding and marking needs.

SQUID INK
ENGAGE technologies corporation

www.squidink.com











1) *CoPilot Max LT allows reliable printing with an unprecedented 10-12mm throw distance.*

2) *Squid Ink's proven inks and fluids are available in large 500ml no-mess cartridges.*

3) *CoPilot Max LT's revolutionary active ink system allows conversion to downshooter mode in seconds.*

4) *A 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 -** 2.8" (72mm) per printhead
- **Vertical Print Resolution -** 360 dpi capable of printing razor-sharp graphics, small character text, and scannable bar codes
- **Horizontal Print Resolution -** 150 dpi or 300 dpi
- **Throw Distance -** Up to 10-12mm (.4 - .5") from substrate
- **Print Speed -** Up to 440 ft/min (134 m/min) at 150 horizontal dpi; Up to 220 ft/min (67 m/min) at 300 horizontal dpi
- **Time & Date -** Internal real time clock with battery back-up
- **Product Sensor -** External photocell or optional encoder
- **Communication Interface -** One USB host and one Ethernet input
- **Touchscreen -** 4.3" (10.9 cm) full color touchscreen display
- **Ink Cartridge Volume -** 500ml cartridge
- **Low Ink Indicator -** Status alert on touchscreen, light beacon optional
- **Substrate Capabilities -** Porous or non-porous (future) surfaces
- **Electrical Requirements -** Input Voltage: 100 – 240 VAC, 50/60 Hz, Power: 240VA maximum
- **Operating Environment -** 34°F - 104°F (1° - 40°C)
- **Storage Environment -** 34°F - 122°F (1° - 50°C)
- **Agency Certifications -** CE, FCC, UL, CSA, and ICES Certified

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 120" (3.05m)
- **Number of Messages -** 1GB 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
- **Wireless Connectivity -** For wireless connection between PC or tablet and printer controller, requires external wireless USB adaptor
- **Database Capability -** Ethernet communication protocol for external communication
- **Languages -** English, Spanish, German, Chinese, Japanese, Korean, Russian, Polish

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 -** For wireless connectivity
- **Windows Tablet -** Pre-loaded with Orion™ software; includes mounting bracket with swivel arm, USB to ethernet cable and stylus
- **Conveyor Mounting Bracket -** Provides stable mount to conveyor or other material handling equipment
- **Floorstand -** Includes mounting brackets and legs with leveling feet; 59" (1.5m) total height
- **Lead Screw Floorstand -** Includes mounting brackets and legs with leveling feet and casters and lead screw to easily dial in height and distance to substrate
- **Spring Loaded Printhead Bracket -** Provides consistent throw distance with inconsistent boxes or products
- **Starter Kit -** Includes ink, cleaner and flush solution, printhead wipes, hand cleaner and latex gloves

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