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

CloseIt®
BY BEDFORD

AN IDEAL SOLUTION FOR BAKERIES

The CoPilot UV LED Curing System integrated with industry leading Automatic Bag Closing Machines provide an ideal solution for bakeries printing sell by dates, suggested list prices, and 2D bar codes on bakery bag closures.

MAKE A MARK THAT LASTS

Squid Ink's UV LED curing technology features a low maintenance ink cured only by UV LED light. The ink won't dry until it comes in contact with the UV light, meaning a lower maintenance solution than all other ink jet technologies. This instant LED curing ink leaves a permanent mark that is impervious to environmental factors such as sunlight, water, moisture, and temperature, making it ideal for food applications. Additionally, the CoPilot system utilizes easy-to-use software modified specifically for the baking industry for easy message programming and recall.

OUT WITH THE OLD, IN WITH THE NEW

UV LED technology offers several advantages over existing TTO (thermal transfer overprint) systems currently used in bakery applications. Squid Ink's CoPilot system does not require compressed air, making it an easy install anywhere in the plant. In addition, the CoPilot offers 20-25 times fewer ink/ribbon changes, and up to 5 times lower cost per print. Typical cost per print is 20 cents per 1,000 clips. Add in a longer printhead life span and no work stoppages for ribbon breaks, and users will enjoy increased savings on their initial and ongoing operating costs.

DESIGNED FOR DURABILITY

Squid Ink's CoPilot UV LED Curing System is designed to meet the demands of your application. You can be confident that the CoPilot's rugged design will withstand your baking environment while providing superior quality print and UV curing. For ease of integration, the CoPilot mounts directly to the CloseIt® by Bedford and requires no need for preheating or compressed air. For quick start-ups, CoPilot's fast response functionality means that the system can be powered on and ready to go at an instant, eliminating downtime and increasing your ROI.
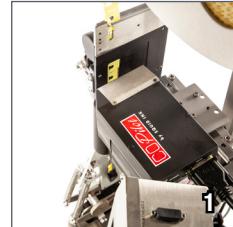
CONSISTENT QUALITY CODING

Squid Ink's UV LED curing system is clean and efficient, improves print quality due to immediate dry time, helps to increase bakery production rates, and requires little space on production lines. Any way you look at it, the CoPilot provides significant benefits to your new and existing bag closure systems.

SQUID INK
ENGAGE technologies corporation

1) The system is ideal for printing sell by dates, suggested list prices and 2D bar codes on bakery bag closures.

2) A 4.3" full color touchscreen provides access to the systems internal messages and print functions.

3) Squid Ink's low-maintenance UV LED instant curing system provides a permanent mark.

4) CoPilot offers up to 5 times lower cost per print than competitive systems - typical cost per print is 20 cents per 1,000 clips.

PRNTING SYSTEM SPECIFICATIONS

- **Print Technology -** Piezo impulse printhead technology
- **Maximum Print Height -** 0.7" (1.8 cm)
- **Vertical Print Resolution -** 185 dpi
- **Horizontal Print Resolution -** 205 dpi
- **Print Speed -** Up to 135 feet/min. (41 m/min.) @ 205 dpi
- **Time & Date -** Internal real time clock with battery back-up
- **Product Sensor -** External print trigger
- **Communication Interface -** One USB host and one Ethernet input
- **Touchscreen -** 4.3" (10.9 cm) full color touchscreen display
- **Ink Cartridge Volume -** 200ml
- **Low Ink Indicator -** Message alert on touchscreen; LED light beacon optional
- **Electrical Requirements -** 100 - 240 VAC, 50/60 Hz
- **Operating Environment -** 34°F - 104°F (1° - 40°C)
- **Storage Environment -** 0°F - 140°F (-18° - 60°C)
- **Agency Certifications -** CE and TUV certified

UV LED SYSTEM SPECIFICATIONS

- **Wave Length -** 395 +/- 5nm
- **Controller Dimensions -** 13" x 9" x 5.2" (33cm x 7cm x 13cm)
- **Illuminating Head Dimensions -** 4.7" x 2.6" x 4.7" (12cm x 7cm x 12cm)
- **Illuminant Output Control -** 10% - 100%
- **Power Supply -** 90 - 220 VAC, 50/60 Hz, 300W
- **LED Lifetime -** 20,000 hours or more
- **Operating Environment -** 14°F - 131°F (-10° - 55°C)
- **Storage Environment -** 13°F - 185°F (-10° - 85°C)

COPILOT SOFTWARE SPECIFICATIONS

- **Time & Date -** Multiple formats including: 1,2,4-digit year, 1,2-digit month, 3-letter month, custom month string, 1-letter day of month, 2-digit day of month, 1-digit day of week, 1,3-letter day of week, 2-digit week of year, 3-digit Julian year, 1-letter hour (a-x), 2-digit hour (12 or 24), 2-digit minute, 2-digit second, 1,2-letter meridian (A/P, AM/PM) custom week string
- **Item Numbering -** Sixteen counters, one of which can be a daily counter
- **Shift Codes -** Four programmable shift codes with automatic rollover
- **Bar Codes -** Code 39, Interleaved 2 of 5, UPC-A, EAN-8, EAN-13, Code 128, UCC-128, SCC-14 ITF, SCC-14 128, SSCC-18, MSI, DataMatrix, QR, and PDF417 bar codes standard dynamic. Other barcodes can be printed as static bitmaps.
- **Fonts -** Arial, Arial Bold, 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 Graphical Interface Software
- **Printing Features -** Reverse, invert, rotate, repeat
- **Number of Messages -** 1GB storage space will store approximately 1000+ messages
- **Ink Usage -** Shown in Orion™ PC Software, per message format

COPILOT OPTIONAL ACCESSORIES

- **Bar Code Laser Scanner -** Allows scan and print message retrieval
- **External Light Beacon -** Indicates low ink levels
- **Starter Kit -** Includes ink, cleaner and flush solution, printhead wipes, hand cleaner and latex gloves

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