PZ PILOT PRO PRINTING SYSTEM

Versatile
Hi-Resolution
Printing

Quality Print To Meet Your Demands
Squid Ink's PZ Pilot Pro printing system is designed to print superior quality hi-resolution characters on corrugated cases and other porous surfaces. With up to 2.1″ of print height per head and the ability to run up to 4 printheads from one controller, the PZ Pilot Pro offers a versatile, yet cost effective solution for your coding applications.

Right-Size For Your Printing Application
PZ Pilot Pro 380 printheads print up to 2.1″ in height, exceeding the GS1 specification for case code printing, without the additional cost of a larger printhead. Larger print engines cost more to begin with, cost more to replace, and utilize significantly more ink. PZ Pilot Pro offers the right size print engine for your case coding application. Industry proven piezo technology produces razor-sharp text and dark print for increased bar code scannability. In addition, the PZ Pilot Pro can run at speeds up to 167 feet/minute, ideal for most secondary packaging lines.

Minimize Your Maintenance
The PZ Pilot Pro is designed with low maintenance features that users have come to rely on from Squid Ink. The PZ Pilot Pro features ATM-simple, easy to follow user prompts to program, save and store messages. In addition, the built-in software automatically calculates ink usage for each message so you can modify your messages and control your consumable costs. The system also comes with auto configuration software that is written to simplify setup of printing. Working with the photocell, the system automatically calculates product speed, making printing on your products easier while providing consistent print quality.

Maximize Your Uptime
The PZ Pilot Pro is designed to meet the harsh demands of your application. Stainless steel cabinetry, a durable touchscreen keypad and stainless steel printhead allow the PZ Pilot Pro to operate in the most extreme factory environments. You can be confident that PZ Pilot Pro's rugged stainless steel design will withstand the most abusive industrial environments while providing superior quality print.

Affordable Ink Jet Coding
Whether you are a seasoned pro, or if you have wanted to start printing codes on your products, but felt your budget restricted you from doing so, the PZ Pilot Pro offers a new level of economy. As the newest addition to Squid Ink's growing family of marking and coding systems, the PZ Pilot Pro gives users more choices for their coding applications. In addition, the Pilot Pro utilizes ink manufactured directly by Squid Ink, eliminating the costs caused by multiple layers of distribution. Any way you look at it, Squid Ink's PZ Pilot Pro provides an affordable solution to meet your ink jet coding needs.

The Right Solution
Rugged design. Low maintenance operation. User friendly software. Lower 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 marking and coding needs.

GO WITH THE FLOW.
SQUID INK ®
MANUFACTURING

PZ PILOT PRO
PRINTING SYSTEM

PZ Pilot Pro Printing System Components

- Stainless controller with touchscreen user interface and dual can ink delivery system
- Up to four 380 printhead(s) with data cable(s) and ink line(s)
- Photocell and photocell mounting bracket

PZ Pilot Pro offers premium print quality for razor-sharp logos, small character text and scannable bar codes.

Color touchscreen display offers ATM-simple software for message creation and recall.

Run two heads from one controller…

or run up to four heads with one controller. All components are field installable for future upgrade.

PZ Pilot Pro Printing System Specifications

Print Technology - Piezo impulse printhead technology

Printheads - Up to four high resolution, 380 channel piezo printheads

Maximum Print Height - 2.1″ (53.3 mm) per 380 printhead, meets GS1 specification for case code printing

Vertical Print Resolution - 180 dpi capable of printing razor-sharp graphics, small character text, and scannable bar codes

Horizontal Print Resolution - 180 dpi

Print Speed - Up to 167 feet/minute @ 180 dpi with 380 printhead

Time & Date - Internal real time clock with battery back-up

Product Sensor - Reflective sensor standard with dual photocell inputs standard

Communication Interface - Four USB host, ethernet

Touchscreen - 6.4″ color display

Ink System - Active ink system; dual 400ml ink canister standard

Low Ink Indicator - Warning messages alert user on the touchscreen display, LED beacon optional

Substrate Capabilities - Porous surfaces

Cabinet Construction - Stainless steel, solvent-resistant color touchscreen display

Electrical Requirements - 90 – 264 VAC, 50/60 Hz

Operating Environment - 50°F - 104°F (10°C - 40°C)

Storage Environment - 0°F - 140°F (-18°C - 60°C)

PZ Pilot Pro Software Specifications

Time & Date - Multiple formats including: 3-letter, 2-digit, 1-letter month; 3-letter or 2-digit day; 2-digit hour; 2-digit minute; 2-digit second; 4-digit or 2-digit year; 2-digit week; 24-hour clock or 12-hour clock with AM or PM; Julian date

Item Numbering - Four independent counters, selectable count direction, number of digits, count by, rollover, reset value, batch counter, all counters maintained in non-volatile memory

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, SSCC-18, Postnet, MSI, DataMatrix and PDF417 bar codes standard

Fonts - Three fonts with 10 different sizes; others can be purchased

Printing Features - Reverse, invert, inverse, rotate, repeat, variable print density

Auto Configuration - System software can use product length and photocell sensor to automatically configure speed

Number of Messages - 2GB flash memory available for message storage; actual message size will vary based on content

Message Length - Maximum 120″

Graphics - Any Windows bitmap in 1-bit (black/white) format

Ink Usage - Automatically calculated for each message and displayed on touchscreen

User Prompts - Prompts for user input at start of print job by manual intervention on touchscreen display or scanner

Software Utilities - System software updates available via USB

Languages - User selectable between English, Spanish, and Chinese

PZ Pilot Pro Optional Accessories

ImageMaster Software - For message design and recall; messages can be downloaded and recalled with touchscreen keypad

Encoder - For operation with variable speed conveyors

Bar Code Laser Scanner - Allows scan and print message retrieval

Conveyor Mounting Bracket - L-Bracket for complete system with one printhead

Floor Stand - Includes mounting brackets and legs with leveling feet; 57″ (1.5m) total height

Starter Kit - Includes ink, cleaner and flush solution, flush kit, printhead wipes, hand cleaner and latex gloves

Installation and Training - On-site installation and training available

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