



PRO SERIES PRINTING SYSTEM

**Versatile
Hi-Resolution
Printing**



Quality Print To Meet Your Demands

Leader's Pro Series printing system is designed to print superior quality hi-resolution characters on a variety of porous and non-porous substrates. Printing up to 2.1" of print height with the ability to run 2 printheads from one controller, the Pro Series offers a reliable, yet cost effective solution for your coding applications.

Right-Size Your Printing Application

Pro Series 380 printheads print up to 2.1" in height, meeting the UCC specification for shipping container codes, without the additional cost of a larger printhead. Larger print engines cost more to replace and utilize significantly more ink. Pro Series offers the right size print engine for your case coding application. Industry proven piezo technology produces razor-sharp text, scannable bar codes, and the cleanest logos and graphics on the market today. In addition, the Pro Series can run at speeds up to 167 feet/minute, ideal for most secondary packaging lines.

Minimize Your Maintenance

The Pro Series is designed with low maintenance features that users have come to rely on from Leader. The system comes with auto configuration software that is written to simplify setup of printing. Each printhead contains integrated sensors that automatically detect product direction and speed, making printing on your products easier while providing consistent print quality. The Pro Series features 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.

Maximize Your Uptime

The Pro Series is designed to meet the harsh demands of your application. Stainless steel cabinetry, a durable touchscreen keypad and stainless steel printhead allow the Pro Series to operate in the most extreme factory environments. You can be confident that Pro Series 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 Pro Series offers a new level of economy. As the newest addition to Leader's growing family of marking and coding systems, the Pro Series gives users more choices for their coding applications. Any way you look at it, Leader's Pro Series provides users with an affordable solution to meet their 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 Leader to provide the right solution for your marking and coding needs.

PRO SERIES

PRINTING SYSTEM

Pro Series Printing System Components

- Controller with integrated touchscreen user interface
- One or two 128 or 380 printhead(s) with data cable and ink line(s)
- Ink delivery system
- Integrated sensors for product trigger and speed detection



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



Run one or two printheads; select from two printhead sizes; all components are field installable.



Pro Series Printing System Specifications

Print Technology - Piezo impulse printhead technology with porous and non-porous ink capability

Printheads - Up to two high resolution, 128 or 380 channel piezo printheads

Maximum Print Height - .7" (18mm) per 128 printhead, and 2.1" (53.7mm) per 380 printhead

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 124 feet/minute @ 180 dpi with 128 printhead; up to 167 feet/minute @ 180 dpi with 380 printhead

Time & Date - Internal Real Time Clock with battery back-up

Product Sensor - Integrated dual channel speed and direction sensing

Auto Configuration - System software uses timing between each of the integrated printhead sensors to automatically configure print direction, speed, and delays for the system

Communication Interface - USB, Ethernet, and RS-232 standard

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

Cabinet Construction - Stainless steel

Operating Environment - 34°F - 104°F (1° - 40°C)

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

Low Ink Indicator - Warning light beacon optional

Ink Capabilities - Oil, Solvent, UV cure

Substrate Capabilities - Porous or Non-porous surfaces

Pro Series Optional Accessories

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

Trigger - Two wire trigger switch or photocell

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

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

Pro Series 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 - Three 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, 2D Barcodes

Fonts - On the fly generation of TrueType® fonts

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

Number of Messages - Limited by the size of print message and graphical content; Minimum 200 messages

Message Length - 200"

Graphics - Any Windows bitmap in 1-bit format

Ink Usage - Automatically calculated for each message

User Prompts - Prompts for user input at start of print job or during print job by manual intervention on handheld terminal

Software Utilities - Syncmaster USB file management software standard Imagemaster USB, Imagemaster Network optional

Languages - User selectable between English, Spanish, and Chinese