

EVOLUTION TIJ SERIES



EVOLUTION™

Thermal Inkjet Printers

The Evolution series of Thermal Ink Jet (TIJ) printers provide an affordable and flexible solution to printing codes and graphics on flat surfaces, including common porous and non-porous substrates. Evolution printers can be configured to support HP cartridges for 300dpi resolution, or Lexmark cartridges for up to 600dpi resolution. By combining the simplicity and reliability of cartridge inks with the easy-to-use operator interface, Evolution has proven itself as an industry leading TIJ solution.

EVOLUTION I

- Extremely low-cost high resolution large character case printer.
- Utilizes HP® cartridge technology for ease of use and reliability.
- Optional Lexmark® cartridge configuration available for up to 600 dpi resolution.
- Up to 300 dpi resolution at 61meter/minute (200 fpm) production speed.
- Available with 4.3" detachable colour touch screen controller with stylus.
- Incorporates two standard fonts.
- Additional fonts and software can be loaded via flash card.

EVOLUTION II

- High resolution thermal inkjet printer utilizing hassle free cartridge print head.
- Available in HP® or Lexmark® (LX) configuration.
- Resolution up to 300 dpi (HP) or 600 dpi (LX).
- Printing speeds up to 61 meter/minute @ 300 dpi.
- Capable of printing characters up to 1/2" in single line to 3/32" in 4 lines.
- Cartridge inks available for both porous and non-porous materials.
- Up to 100 individual messages can be stored in the controller.
- Available with easy-to-use detachable colour touch screen display.
- Up to 4 print heads can be mounted on a single bracket.
- Single controller can operate as many as 32 individual print heads.



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Technical Specifications

STANDARD/OPTIONAL HARDWARE AND SOFTWARE FEATURES	EVI-STC	EV2-STC
Color Touch Screen Controller	S	S
Printhead Module with internal product sensor	S	S
Mounting bracketry for side coding applications	S	S
Alpha/Numeric Character Set with special characters	S	S
Ability to control up to 32 printheads via RS 485	S	S
Mixed Raster Printing	N/A	S
Character Heights: 1/2" in one line, 7/32" in two lines	S	S
Character Heights: 1/2", in one line, 7/32" in two lines, 1/8" in three lines, 3/32" in four lines	N/A	S
Alternative font styles and character heights	O	O
24/48 Character message length per line of text	24	48
Programmable line speed, Print direction and Print delay	S	S
Inter-character spacing, Inverted print	S	S
Variable Time and Date formats, Sequential numbering, Shift coding, Date offset, Automatic message repeat, Password protection	O	S
Multiple language prompts: English, Spanish, French and German	S	S
Message Storage: Up to 200 messages in Controller Each message can have it's own unique name.	O	S
Back up stored messages on Data Flash Card	O	S
Automated message recall with optional USB Bar Code Scanner	O	S
EV-Net Software for PC control of up to 32 Evolution printers	O	O

S = Standard O = Optional N/A = Not Available

PRODUCTION SPEED

Up to 200 feet (61m) per minute @ 300dpi

INK SUPPLY

Cartridge volume: 42ml
 Porous Colors: Black, Blue, Red, Green, Yellow, UV Visible
 Semi-Porous Colors: Black, Blue, Red
 Non-Porous Colors: Black
 Low ink monitoring

POWER REQUIRED

110-240 VAC, 50-60Hz 0.5A

ENVIRONMENTAL

50F - 104F (10C - 40C)
 Up to 80% RH non-condensing

PHYSICAL DIMENSIONS

Controller: 4.500" wide x 3.000" long x 1.000" deep
 Printhead module: 2" wide x 4" deep x 3" high

SOFTWARE OPTIONS

Alternate font heights and font styles
 Logos: Ability to load up to 3 logos in a message.
 Evolution-Net
 Message storage, extended message length, date and time formats, sequence numbering and more.
 See our Options Brochure for a complete description

HARDWARE OPTIONS

Add-on printhead modules
 Spring loaded carton follower
 Top coding bracket
 External sensor
 External encoder
 External Low Ink Beacon

NETWORKING CAPABILITIES

The Touch Screen Controller has the capability of controlling up to 32 individual printhead modules through via a RS 485 data link.
 Complete PC control of the EVOLUTION network through our EVOLUTION-NET software is available as an option.

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