Evolve with the times

EVOLUTION LX is the next generation in High Resolution Ink Jet printers. The LX series delivers greater print distance and higher ink yield per cartridge with the same features as the original HP-based EVOLUTION.

A Complete System
EVOLUTION LX is complete and ready to install right out of the box.

The system includes the mounting bracketry, a hand held controller with tactile keypad for message entry, a printhead module with internal product sensor and power supply.

Lexmark Inkjet Technology
EVOLUTION LX is driven with ink jet technology by LexmarkTM. This combination gives you the benefits of an affordable, compact, and efficient design coupled with the reliability of printhead technology by Lexmark.

Optimum Print Resolution 300 or 600dpi
EVOLUTION LX delivers bold, highly legible and fully formed characters in a print resolution of 300 or 600dpi at production line speed of up to 60 metres per minute.

Ink Supply
Built into the printhead is an internal ink reservoir. Once the ink in the cartridge is depleted, it can be taken out, disposed of and a new ink cartridge inserted in just seconds. And, the printhead drivers developed for the LexmarkTM cartridge deliver an approximate 20% increase in the number of printable characters.

Breakaway Printhead Protection
A typical powered conveyor or case taper corrugated cartons can sometimes come through skewed or off centre. The horizontal adjusting rod that holds the printhead module has been designed with a breakaway feature that moves the printhead out of harms way should the carton come in contact with it. A detent in the assembly allows you to securely snap the printhead back into position after the misaligned carton has passed.

Hand Held Controller   FlexMount bracket

EVOLUTION LX
High Resolution Inkjet Printer

Two LX Versions Available
EV1-LX-SYS starts off as a basic system that will print either one line of 1/2" high characters or two lines of 7/32" characters. No additional software is included as standard.

There are a number of software options for the EV1-LX that add memory, extended message length, sequence numbering, time and date formats, and more. Please see our Options Brochure for a complete listing and description.

EV2-LX-SYS is a fully loaded system which includes all of the optional EVOLUTION I software as standard. EV2-LX can print one line of 1/2", two lines of 7/32", three lines of 1/8" or four lines of 3/32". Eight of the more popular barcode symbologies are built in to the EV2-LX. These barcodes include: I 2 of 5, Code 39, UPC-A, UPC-E, 128 B, 128 C, EAN 8 and EAN 13. DataMatrix is available as an option.

4-line printing with LX-2 systems

Optional fonts sizes and styles are available for both models.

Add-On Printheads
Adding another printhead is as simple as sliding it on. Each printhead module is manufactured with a dovetail slot on one side and a dovetail slide on the other. You can attach up to three additional printheads on a single bracket by inserting the slide on one into the slot on the other. A small RS 485 data cable is then used to connect the modules. This allows the hand held controller to network all of the printheads

Networking Capabilities
The hand held controller has the capability of controlling up to 32 individual printhead modules through the use of a RS 485 data cable. A small data cable is used to connect the modules on the same production line while a longer cable connects them to the next production line in the manufacturing area. The printhead modules have a discreet address which is used to identify them for message entry functions.

Complete PC control of the EVOLUTION I network through our EVOLUTION-NET software is available as an option.

www.evolutioninkjet.com.au

Technical Specifications

Up to 25% more yield than HP-based systems
Lower-cost cartridges than HP-based Evolution
Greater print distance

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 Color: 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: 4.125" wide   x 8.750" long x 1.500" deep
Printhead module: 2.5" wide x 4" deep x 3" high

Add-on printhead module

Ink Colour samples

Standard/Optional Hardware and Software Features	EV1-LX-SYS	EV2-LX-SYS
Hand Held 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
Message Storage: Up to 100 messages in Controller	O	S
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 and Spanish	S	S
EV-Net Software for PC control of up to 32 Evolution printers	O	O

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

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