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# CleanCode EV 1 LX & 2 LX

## High Resolution Ink Jet Printer Range

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The **EV LX** range of high resolution thermal ink jet printers are the latest models in the **CleanCode** series. They are comparatively low cost and are simple to install and operate.



### A Complete System

**EV LX** printers are complete and ready to install straight 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 a power supply.

### Lexmark Inkjet Technology

The **EV LX** is powered with ink jet technology by Lexmark™. 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

**EV LX** delivers bold, highly legible and fully formed characters in a print resolution of 300 or 600 dpi at production line speeds of up to 61 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 seconds.

### EV LX1 & LX2

Two models are available in the EV LX range. The **EV1 LX** is a basic system that will print either one line of 12.7mm or two lines of 5.5mm characters. There are a number of software options available that add memory, extended message length, sequential numbering, date and time formats plus others.

The **EV2 LX** is a fully loaded system which includes all of the optional EV1 software as standard. The EV2 LX can print either one line of 12.7mm, two lines of 5.5mm, three lines of 3.2mm or four lines of 2.4mm characters. The barcode symbologies included with are EAN13, EAN8, Code 39, 1 2 of 5, 128 B, 128 C, UPC-A AND UPC-E. Datamatrix is available as an option.

Optional font sizes and styles are available for both the EV1 and the EV2 LX.

### 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 on the production line.

### Breakaway Printhead Protection

On 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 into 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



Printhead Module

Inkjet Cartridges by



# Technical Specifications

Hardware & Software Features	EV1 LX	EV2 LX
Hand held controller	Standard	Standard
Printhead module with internal product sensor	Standard	Standard
Mounting bracketry for side coding applications	Standard	Standard
Alpha /numeric character set with special characters	Standard	Standard
Ability to control up to 32 printheads via RS 485	Standard	Standard
Maxed raster printing	N/A	Standard
Character heights: 12.7mm in one line, 5.5mm in two lines	Standard	Standard
Character heights: 12.7mm in one line, 5.5mm in two lines, 3.2mm in three lines, 2.4mm in four lines	N/A	Standard
Alternative font styles and character heights	Optional	Optional
Maximum number characters per line of text	24	48
Storage of up to 100 messages in controller	Optional	Standard
Programmable line speed, print direction and print delay	Standard	Standard
Inter-character spacing, inverted print	Standard	Standard
Variable time and date formats, sequential numbering, shift coding, date offset, automatic message repeat, password protection	Optional	Standard
Multiple language prompts: English, Spanish, French & German	Standard	Standard
EV-Net software for PC control of up to 32 printers	Optional	Optional

## Production Speed

Up to 61 metres per minute

## Ink Supply

Cartridge Volume: 42ml

## Power Required

110-240 vAC, 50-60 Hz, 0.5A

## Environmental

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

## Dimensions

Printhead: 64 x 102 x 76mm  
Controller: 105 x 222 x 38mm

## Networking Capabilities

The hand held controller has the capability of controlling up to 32 individual printhead modules through the use of an 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 **CleanCode** network through our EVOLUTION-NET software is available as an option.

## Hardware Options

Add-on printhead modules  
Top coding bracket  
External product sensor  
External encoder  
Low in beacon



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