EVOLUTION II is the second High Resolution Ink Jet Printer in the EVOLUTION series. It features a complete software package, a backlit WYSIWYG display, up to four lines of print and eight barcode symbologies as standard.

A Complete System
EVOLUTION II 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 and the printhead module with internal product sensor.

Inkjet Technology by Hewlett Packard
Designed by Digital Design, the EVOLUTION II is powered with ink jet technology by Hewlett Packard. This combination gives you the benefits of an affordable, compact, and efficient design coupled with the reliability of printhead technology by Hewlett Packard.

Optimum Print Resolution
EVOLUTION II delivers bold, highly legible and fully formed characters in a print resolution of 300 dpi at production line speed of up to 200 feet per minute.

Print up to Four Lines of Text
Print a one line message in 1/2” characters, two lines of text in 7/32” high characters, three lines of 1/8” or four lines of 3/32”. All four character heights are selectable through the font key on the hand held controller.

Ink Supply
Built into the cartridge is a 42 cc ink supply. Once the ink in the cartridge is depleted, it can be taken out, disposed of and a new ink cartridge inserted in just minutes.

Breakaway Printhead Protection
A typical powered conveyor or case taper corrugated cartons can sometimes come through skewed or off center. 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 past.

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.

Customized
EVOLUTION II is supplied with a built in font style. Optional alternative fonts are available and can be downloaded into the printhead modules through flash card media.

Logos are another option, and up to 3 can be downloaded into the message via the flash card.

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 II network through our EVOLUTION-NET software is available as an option.
Technical Specifications

Complete Standard System Includes:
A controller with backlit WYSIWYG display and tactile keypad for message entry. A high resolution printhead module with complete mounting bracket and internal product sensor for side coding applications.

Standard Operating Features
Alpha/Numeric character set plus special characters
Ability to control up to 32 printheads via RS 485
Bracketry capable of mounting up to 4 printheads
Print Resolution: 300dpi at 200 feet (61m) per minute
Character Heights: 1/2” (12.7mm), 7/32” (5.5mm)
1/8” (3.2mm), 3/32” (2.4mm)
Message Length: 48 characters of 1/2” height
96 characters of 7/32” (48 per line)
144 characters of 1/8” (48 per line)
192 characters of 3/32” (48 per line)
Message Storage: Up to 100 messages in Controller
Programmable line speed
Programmable print direction
Programmable print delay
Inter-character spacing
Automatic message repeat
Inverted printing
Inter-character spacing
Password protection
Variable time formats
Variable date formats
Sequential numbering
Shift coding
Date offset
Product counter
Multiple language prompts: English and Spanish

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
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” wide x 4” deep x 3” high

Standard Barcodes Included
I 2 of 5 Code 39
UPC-A UPC-E
128 B 128 C
EAN 8 EAN 13

Hardware Options
Add-on High Resolution printhead modules
Spring loaded carton follower
Top coding bracketry
Floor stand
External product sensor
External encoder

Software Options
Alternative fonts: Downloadable via custom programmed flash card media
Logos: Ability to load up to 3 logos into the message Downloadable via flash card media
Barcodes: Additional barcodes such as Data Matrix can be supplied as options and downloaded via the flash card media.
EVOLUTION-NET software for PC control of network

Authorized EVOLUTION Distributor: