

EVOLUTION-2

High Resolution Inkjet Printer



Evolve with the times

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

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 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 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.



Customised

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.



Hand Held Controller



Trend Marking Systems

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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

Inverted printing

Automatic message repeat

Password protection

Variable time formats

Variable date formats

Sequential numbering

Shift coding

Date offset

Product counter

Multiple language prompts: English and Spanish



Printhead Module with Bracketry

Production Speed

Up to 200 feet (61m) per minute

Ink Supply

Cartridge volume: 42cc

Low ink monitoring

Porous ink Colours:

Black, Blue, Red, Green, Yellow

Semi-Porous ink Colours

Black, Red, Blue

Non-Porous Ink Colours

Black



FlexMount angled bracket



Power Required

110-240 VAC, 50-60Hz 0.5A



EVOLUTION XT head and FlexMount bracket



XT extended Printhead



Ink Cartridge and Printhead Module

Standard Barcodes Included

I 2 of 5

Code 39

UPC-A

UPC-E

128 B

128 C

EAN 8

EAN 13



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

Hardware Options

Add-on High Resolution printhead modules

Spring loaded carton follower

Top coding bracketry

Floor stand

External product sensor

External encoder

Low-ink beacon

Sliding shaft bracket



Spring-loaded product follower

EVOLUTION-NET PC Control Package

For controlling multiple networked printheads from a PC

Customised Logo Flash Cards



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