

CODEMARK

Evolution Printer



Evolution

is a High Resolution ink jet printer. It is the first in a series of printers that has been designed at a price competitive with contact style "roller coders" still being used in production facilities today.

A Complete System

EVOLUTION I 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 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 delivers bold, highly legible and fully formed characters in a print resolution of 300dpi at production line speeds of up to 60 meters per minute. Variable Character Heights Standard within the system is the ability to print a one line message in 12.7mm characters, or two lines of text in 5.5mm high characters. Selecting the character size is accomplished through the font key on the hand held controller.

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 printhead on a single bracket by simply inserting the slide on one into the slot on the other. A small RS485 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 is supplied with a built in font style. Optional alternative font styles and character heights are available and can be downloaded into the printhead modules through flash card media. Logos are another option and up to three can be downloaded into the printhead module and the message through the same style flash card.

Networking Capabilities

The hand held controller has the capability of controlling up to 32 individual printhead modules through the use of a RS485 data cable. A small data cable is used to connect the individual modules on the same production line while a longer cable connects them to the printhead modules on the next production line in the manufacturing area. All of the modules have a discreet address which is used to identify them for message entry functions. Complete PC control on the EVOLUTION network through our EVOLUTION-NET software is available as an option.

Ink Supply

Built into the printhead is a 42cc ink reservoir. Once the ink in the cartridge is depleted, it can be removed, disposed of and a new ink cartridge inserted in just moments.



Breakaway Printhead Protection

On a typical powered conveyor or carton sealer, corrugated cartons can sometimes come through off centre or skewed. The horizontal mounting 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 module back into position after the misaligned carton has past.

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Technical Specifications

Standard System Includes:

A controller with 4 line x 16 character LCD with tactile keypad for message entry. A high resolution printhead module with complete mounting bracketry 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 RS485
Bracketry capable of mounting up to 4 printheads
Character Heights: 12.7mm and 5.5mm
Message Length: 24 character in 12.7mm height
48 characters in 5.5mm (24/line)

Print Resolution: 300dpi at 61m per minute
Programmable line speed
Programmable print direction
Programmable print delay for registration
Inter-character spacing
Inverted printing
Multiple language prompts: English and Spanish

Production Speed

Up to 61m (200 feet) per minute

Ink Supply

Cartridge volume: 42cc
Colours: Dark Blue, Cyan, Red, Green and Yellows
Low ink monitoring

Power Required

110-240 VAC, 50-60Hz 0.5A

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 in a message
EVOLUTION-NET software for PC control

Special Software Package 1:

Includes:
Message storage: Up to 50 messages system wide
Automatic message repeat
Password protection

Special Software Package 2:

Includes:
Variable time formats
Variable date formats
Sequential numbering
Contents of Software

Environmental

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



PRINTHEAD



HAND HELD OPTION AVAILABLE



PRINT SAMPLE



PRINTER MOUNTED IN CARTON SEALER

CodeMark Australia Pty Ltd supply identification equipment to the manufacturing and packing sectors. The products include Laser, Inkjet, Thermal and label printers. We also sell label applicators and fume extraction. we have been working in the identification business since 1993 and with this experience in the industry we have gained a reputation of supplying quality and reliable products and services.

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