

# Swing<sup>1</sup>.ie



**THERMAL TRANSFER  
PRINTER TO DIRECTLY PRINT  
ON PLASTIC OR PAPER PACKAGING film**

- for static printing on "intermittent" operating machines
- basic model - date stamp type - for print wide up to 32 mm



**EIDOS**

Labelling & Marking Digital Printers

## OVERPRINTING OF VARIABLE DATA ON PACKAGING FILM

The **SWING 1.ie** is an electronic "thermal transfer" printer able to automatically and directly write on plastic or paper film used in packaging machines. It is used to encode with expiring date, barcode and logo the various production lots with extreme flexibility and high print quality and speed. The printing is made directly on the production line, enabling the product to be personalised, with variable data, as it is packaged. The **SWING 1.ie** is of the "mobile head" type for printing on film when stopped. It is mounted on the "intermittent" machines and prints while the machine is stopped. In this case, the print head can be swivelled in any position.

## PECULIAR CHARACTERISTICS OF THE SWING 1.ie

**SWING 1.ie** is a reduced version of the model **SWING 2.ie**. It is intended for applications with very small print area, typically when just the expiration date and the Lot number is required. In a width of 32mm it is also possible to fit an EAN-13 barcode and a logo. The maximum print speed is not compromised because the **SWING 1.ie** can print at 200 mm/sec that is a good performance when a short text has to be printed. The other functions of the **SWING 1.ie** are same as the model **SWING 2.ie**. The Electronic Unit, with the colour "touch-screen" graphic display, is exceptional for printers of this class.

## DATA ENTRY "CONSOLE"



The interactive colour graphic display (touch screen) simplifies the operation of locally changing data and enables the on-line control of what the machine is printing. The text of the label is displayed on the screen and can also be enlarged (zoom). The high capacity internal FLASH memory enables a large number of label texts to be stored, including those with logos.

If the size of local memory needs to be increased or easily transfer text from the PC to the printer, a USB-Memory-Card is also available.

The data that usually needs to be set by the operator are:

- Variable data (Lot Nr. Progressive Nr. etc).
- Printer parameters.

The text is usually processed externally by means of an "Easycode®" type software.

## SYSTEM CONFIGURATIONS

• **"Stand-alone" mode:** the printer can function also if not directly connected to a computer. The data is stored in non-volatile memories. When switched on, the machine starts up with the same data as when it was switched off. New texts can be inserted in the printer by means of a USB Memory Card.

• **"On-line" mode:** the other way of working is a connection with an external processor. This can take place in three ways:

- Serial connection type RS232 or RS422 towards PLC.
- Ethernet type connection by means of a cable.
- Wireless connection type 802-11g.

## SOFTWARE TO MANAGE THE PRINTER

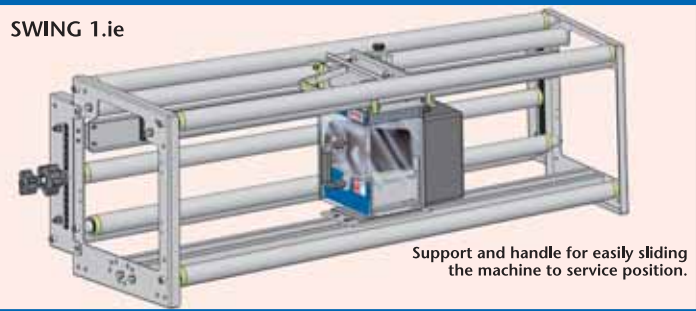
**EASYCODE®:** It is a powerful program created by EIDOS, in a Windows® environment that enables text to be set, memorised, changed and printed in an easy and guided way for the operator (available at different levels). It transmits the label text and work parameters up to 4 printers in parallel.

The printer also interfaces with all of the other main label creation programs (CODESOFT®, LABELVIEW®, EASYLABEL®, NICELABEL®, BARTENDER®, BARONE®.) by means of an emulation program SATO and ZEBRA type.

**E-LIB:** Availability of libraries, to be used in User-Programs, to facilitate the software engineer to interface the printer with the central computer system.

**STARCODE 7®:** patented program for the centralised management of Eidos printers. It manages the centralised file; it monitors the lots in progress and production at all times, pointing out the jobs flow.

## SWING 1.ie



Support and handle for easily sliding the machine to service position.

## PERFORMANCE

- Print wide: 32 mm
- Max print area: 32x50 mm
- Resolution: 12 dots/mm (300 dpi).
- Printing speed: up to 180 mm/sec.
- "Total Ribbon Saving" function.
- Automatic re-processing of the date, hour and minutes without reducing the marking rate.

## TECHNICAL CHARACTERISTICS

### PRINTABLE TEXTS:

- Texts with alphanumeric characters: Programmable character height.
- Font: Internal Arial Font; Windows true type fonts. Normal, Bold, Italic. Positive and negative printing. Symbols and characters: UNICODE in the various languages (UTF-8 code).
- New function of emphasizing the texts with ingredients and allergens.
- Barcodes: EAN-13, EAN-8, EAN-128, UPC-A, 2/5 Interleaved, Code 39, Code 128 (A,C), ITF-14, PARAF, HIBC-43, Binary.
- 2D codes: Datamatrix and PDF417.
- Graphics: "Bit-Image" Black/White type transmission with Eidos compression in order to better exploit the memory. BMP, PMG, TIF, JPEG, PCX.
- Text orientation: in the 4 quadrants.

### ELECTRONIC UNIT

- 5.7" Graphic display with touch screen.
- "ARM" microprocessor. SMD technology with program and texts recorded in FLASH Memory.
- USB-Host Port to manage USB type Portable Memory.
- USB-Host Port configurable for Wireless 802.11g or Ethernet connection.
- For connection to an external PC:
  - RS-232 Serial interface programmable up to 115200 baud.
  - Device: Port USB-Device.
- SYNC-24: synchronous signals. Logical signals completely opto-isolated (4 inputs and 4 outputs). Passive type circuits (not powered) suitable to work at a voltage of 24 V.

### CONSUMABLES

- Inked thermal ribbons packaged in rolls in rolls 500 m length up to 1,000 m (long autonomy) and between 20 and 35 mm wide. For the system to work smoothly use original Eidos ribbons.

### EXTERNAL POWER SUPPLY

- Electrical: 220 V ac 50 Hz o 110 V ac 60 Hz (Auto-ranging).
- Power: 250 VA max.
- Compressed air: de-lubricated, filtered and regulated between 2.5 and 4 Bar..
- Peak consumption: 10 l/min.

### ENVIRONMENTAL CONDITIONS

- Environmental temperature: from 5°C to 40°C.
- Relative humidity: from 10% to 70% non condensing.
- Optional protection devices are available for difficult environments.

### SAFETY STANDARDS

**SWING 1.ie** complies with the provisions of current regulation regarding "Machine Safety" and **CE** marking.

### MADE IN ITALY

The **SWING 1.ie** is designed and produced entirely in Italy by EIDOS spa.



The 32 mm width of the print head enables printing of most used variable data.

**EIDOS**  
Labelling & Marking Digital Printers

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