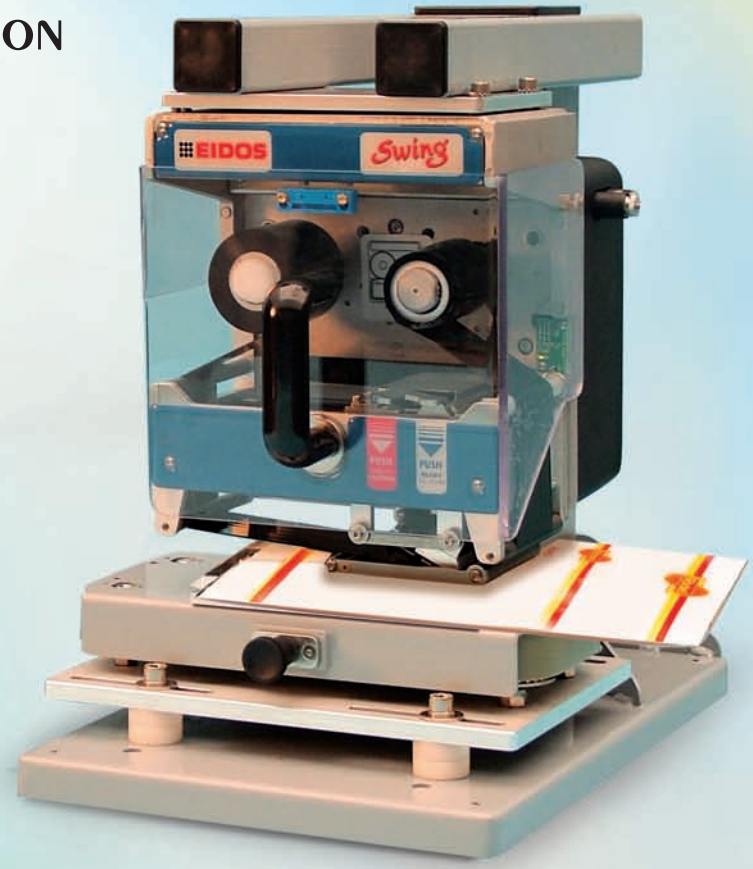
Swing 2.i SP

STRONG PRINT

THERMAL TRANSFER PRINTER TO DIRECTLY PRINT ON "FLEXIBLE OBJECTS"



- ideal for coding with variable data of: Cards, Tags, Blisters, Bags, Cardboard, identifying arm Bands, medical Bags, flexible Sleeves, glossy Leather
- special print head design for resistance to wear and shock, and capable of high-energy printing on many types of plastic and cardboard surfaces
- printing on stationary object
- max. printing area 53x90 mm

EIDOS
Labelling & Marking Digital Printers

COMPANY WITH QUALITY SYSTEM CERTIFIED BY DNV
ISO 9001

PRINTING VARIABLE DATA ON FLEXIBLE OBJECTS

The **SWING 2.i.SP** printer was developed specifically to enable coding in real time, with variable data, of the most widely varying objects in the shape of plastic or card sheets. It is a variation on the SWING 2.ie model which is, on the other hand, designed for printing on packaging film.

SWING 2.i.SP has a new print head equipment able to resist to wear and shocks. It is intended for printing on single objects at medium to low speed. This particular configuration of the printing head also enables high-durability thermal ribbons and metallized ribbons to be used.

SWING 2.i.SP is delivered in two configurations:

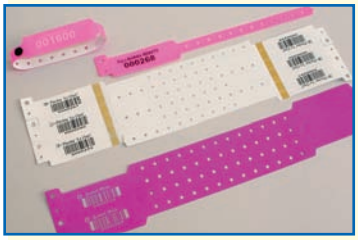
- For manual operations: mounted on a table support with printing plane and pedal control.
- For automatic operation: printing head for being mounted on automatic conveyors.

TYPICAL APPLICATIONS

MEDICAL BAGS:
For overprinting variable data and barcodes. Use thermal ribbons listed for medical use with resistance to sterilisation process.

CARDS, BLISTERS, AND TAGS:
they must have a smooth finish. Wide choice of thermal ribbons.

PLASTIC BAGS:
They are generally made of PE and PP and can be printed on easily. Special ribbons are also available for printing on antistatic bags.



IDENTIFYING ARM BANDS:
In single or multiple package.

REGULAR FLAT CARDBOARD:
In smooth or glossy or varnished cardboard. The surface of the printing zone must be of uniform thickness.

FLEXIBLE SLEEVES:
Thin PE or PP plastic sleeves that are able to be flattened under the pressure of the printing head.

GLOSSY LEATHER:
The surface of the leather must be of uniform thickness and have a glossy finish. Metallized ribbons are also available.

ASSEMBLED SYSTEM

The processing station consists of:

Electronic unit

Printing head

Table support with shelf

Pedal for controlling printing

Upon request, EIDOS is able to design auxiliary devices that make it easier for the operator to position the pieces to be printed (sliding shelve with template, semiautomatic rotating table, barcode verifier, etc).

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 like SATO and ZEBRA.

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.

STARCODE7®: Program for the centralised management of EIDOS printers. It manages the centralised file; it monitors the lots in progress and production at all times.

CONSUMABLES

EIDOS is able to provide thermal ribbons for all applications: starting from the cheap "wax base" ribbon to the "resin base" ribbon, with excellent resistance to scratching, high temperatures and solvents. Metallized foil ribbons (gold and silver) are also available.

TECHNICAL SPECIFICATIONS

PRINT:

- Technology: with thermal transfer ribbon.
- Max. print area: 53x90 mm.
- Max printer speed up to 220 mm/sec.
- Definitions: 12 dots/mm (300 d.p.i.)
- "Ribbon Saving"device.
- Automatic re-processing of the variable data (date, hour and minutes).

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).
- 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, PDF417, QR-Code, Databar.
- Graphics: BMP, PNG, TIF, JEPEG, PCX.
- Text orientation: in the 4 quadrants.

ELECTRONIC UNIT

- 5.7" color graphic display TFT with touch screen.
- "ARM" microprocessor. SMD technology with program and texts recorded in FLASH Memory.
- USB-Host Port to manage 256 MB USB type Portable Memory.
- Ethernet LAN 10/100 port (standard). For link to the Ethernet-Wifi devices in the wireless connection.
- For connection to an external PC: RS-232 serial interface programmable up to 115200 baud.
- 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 Volt for print command and for warning announcement.

EXTERNAL POWER SUPPLY

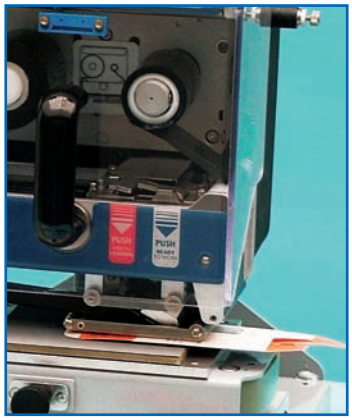
- Electrical: 220 V ac 50 Hz o 110 V ac 60 Hz.
- Power: 300 VA max.
- Compressed air: de-lubricated, filtered and regulated between 2.5 e 5 Bar.
- Peak consumption: 10 l/min.

ENVIRONMENTAL CONDITIONS

- Environmental temperature: from 5°C to 40°C.
- Relative humidity: from 10% to 70% non condensing.

SAFETY STANDARD

The system complies with the provisions of current regulation regarding "Machine Safety" and marking.



SW2.i.SP-.GB-01.13

MADE IN ITALY

The **SWING.2.i.SP** is designed and produced entirely in Italy by EIDOS spa.

EIDOS
Labelling & Marking Digital Printers

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