

General technical features

BASIC PERFORMANCES

- Eidos patented print technology: it requires the simultaneous use of two types of ribbon: inked ribbon and receptor ribbon.
- Maximum printable area: 90 x 330 mm (the limit depends on the type of transfer device used).
- Printing speed: up to 120 mm/s (it depends on the type of transfer device).
- High printing resolution: 300 dpi.

CODITHERM FLAT PARTICULAR FEATURES

- Max. piston force: 754 N (at 6 bar).
- Pad heater cartridge capacity: 200 W / 27 Vac.
- Max. temperature setting of heater cartridge: 300 °C.
- Max. stroke of piston: 60 mm.

CODITHERM PAD PARTICULAR FEATURES

- Max. piston force: 1870 N (at 6 bar).
- Pad heater cartridge capacity: 200 W / 27 Vac.
- Max. temperature setting of heater cartridge: 280 °C.
- Max. stroke of piston: 50 mm.

CODITHERM ROUND PARTICULAR FEATURES

- Max. piston force: 754 N (at 6 bar).
- Pad heater cartridge capacity: 200 W / 27 Vac.
- Max. temperature setting of heater cartridge: 250 °C.
- Max. stroke of piston: 60 mm.

CODITHERM H-PAD PARTICULAR FEATURES

- Force impressed on the pad: up to 22.8 kN.
- Hot transfer time: 5 s (max 4 cycles/min).
- Heater power: 1 KW.
- Max. stroke of the pneumatic cylinder: 130 mm
- Other technical features: see brochure of the Coditherm H-Pad.

CODITHERM I-ROLLER 2 PARTICULAR FEATURES

- Max. piston force: 1870 N (at 6 bar).
- I-R Heater power: 1 KW, max. absorption 1200 VA.
- Max. stroke of piston: 60 mm
- Other technical features: see brochure of the Coditherm I-Roller 2.

DATA SETTING CONSOLE (ELECTRONIC UNIT)

- 5.7" TFT touch screen colour graphic display.
- ARM microprocessor. SDM technology, with software and data on FLASH memory drive.
- ETH-LAN port to connect Ethernet LAN 10/100.
- USB HOST port to manage a USB mobile memory.
- Possibility of connecting to Wi-Fi using an optional external adaptor.

LOGIC SIGNAL INTERFACE WITH OPERATING MACHINE

- SYNC-24: synchronism signals.
- Fully opto-isolated logic signals (4 in and 4 out).
- Passive circuits (not powered) allowing for use with 24 Volt tension.

PRINTER MANAGING SOFTWARE

EASYCODE® is a powerful software designed by Eidos in a Windows environment to allow setting, memorisation, modification and printing of texts. The printer also interfaces with all the other leading label creating programs (CODESOFT®, LABELVIEW®, EASYLABEL®, NICELABEL®, BARTENDER®, BARONE®) by way of a SATO and ZEBRA ZPLII type emulator.

THERMAL RIBBONS

Inked ribbon plus receptor ribbon, packed in 500m long rolls. The ribbons are available in a wide range of colours and types, including metallic colours.

EXTERNAL POWER SUPPLY AND ENVIRONMENTAL CONDITIONS

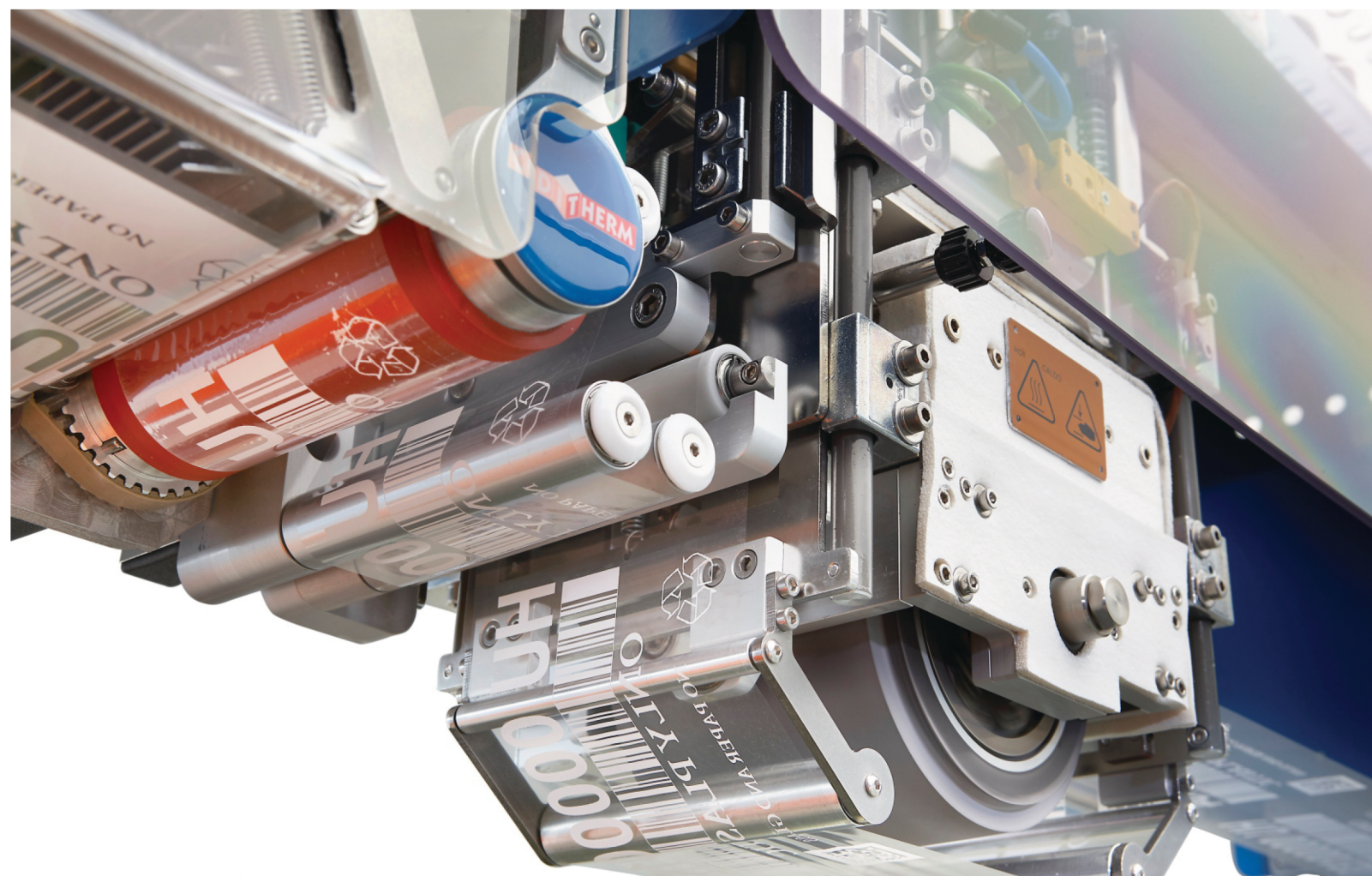
- Electrical: 220V ac 50Hz or 110V ac 60Hz.
- Maximum power: 450 VA.
- Compressed air: 6 Bar (regulated, de-lubricated and filtered).
- Peak consumption: 40 l/min.
- Environmental temperature: from 5°C to 40°C.
- Relative humidity: from 10% to 70% not condensing.

SAFETY REGULATIONS

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

MADE IN ITALY

CODITHERM is designed and produced entirely in Italy by EIDOS.



Data may change, quality must not.

Coditherm is the quintessential industrial printer, presenting with all the advantages of Thermal Transfer technology, which has been developed by Eidos at its best. It is an international patent-owned product enabling direct coding in the production line without the use of any plates.

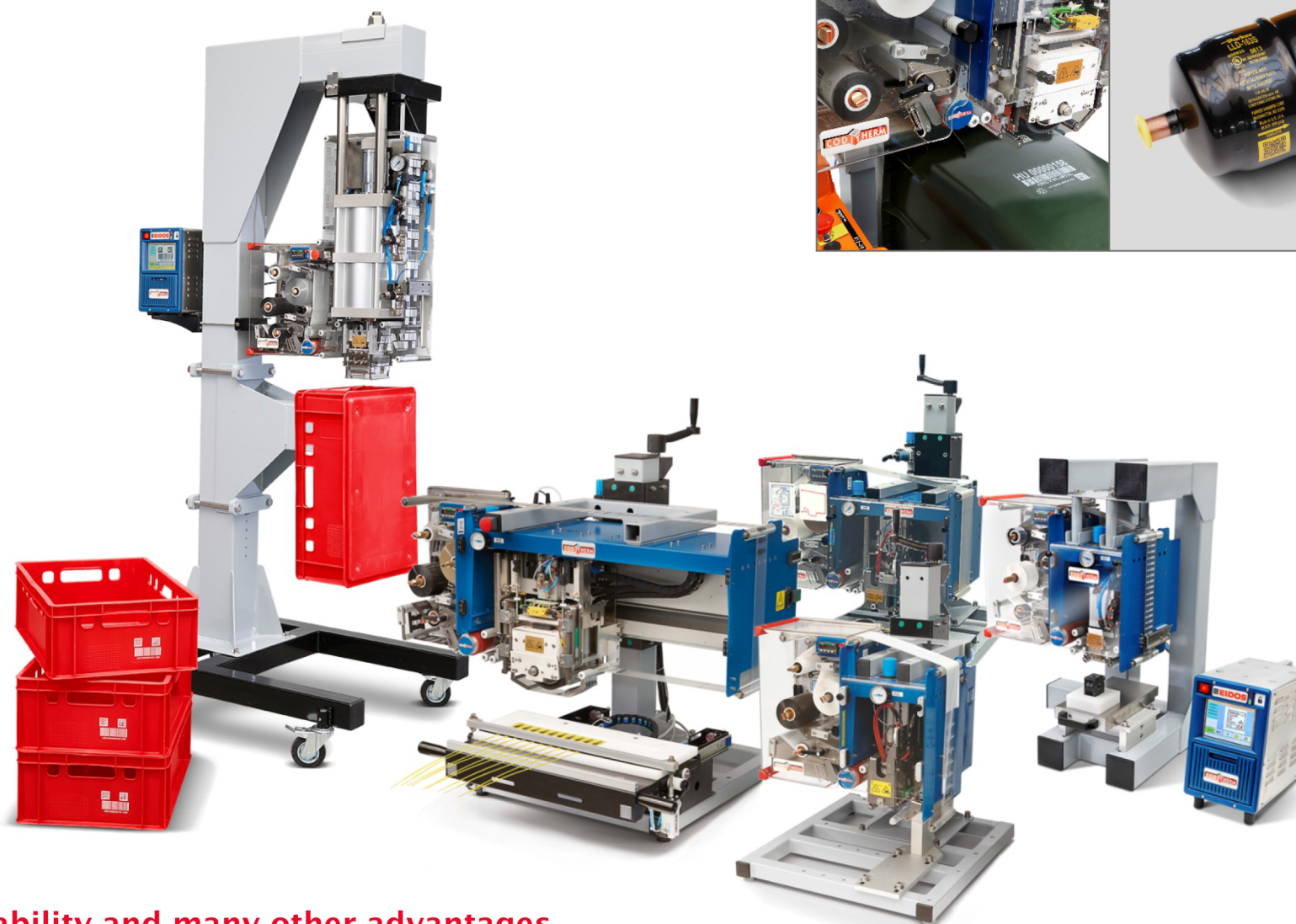
This device is reliable and solid, yet it is easy to use and efficient, allowing the marking of products with variable data. It can be used on plastic, paper, pasteboard, wood, leather, rubber and painted metal as well as on irregular surfaces and porous materials.

Flexibility, productivity, sustainability and many other advantages.

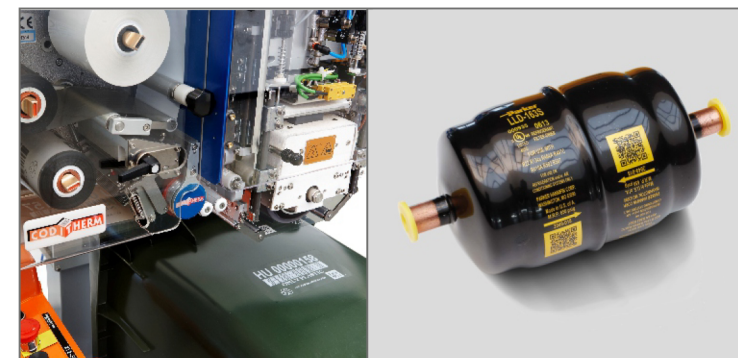
- Coditherm is the ideal solution for the marking of small lots with frequent text variations.
- High quality and definition printing, readily available and resistant to solvents and abrasion: **it is the best solution enabling easy to read bar codes and two-dimensional codes.**
- **Direct marking** in the production line.
- Allows for automatic codification of the lots using variable data (date, progressive or regressive numbers, text in different languages, ingredient lists, bar codes, two-dimensional codes, logos).
- Immediate colour change without the need for solvent cleansing, allowing for better workers' health protection.
- Maximum ease of use for white and metallic colours.
- **Customisation** of the product directly in the packaging phase, allowing for elimination of pre-printed parts stocks.
- Access to a wide range of thermal ribbons, enabling a wide choice of styles, colours (pigmented and metallic) and options: hard resin models, for higher durability (resistant to scratching and solvents); special models for security and anti-counterfeiting purposes (with holograms and other customised technologies).
- Wide range of hot transfer devices to fit any application.
- **Extreme structure resilience**, enabling installation in any industrial environment.
- Quick recall of text from the capacious internal memory. You only need to press a button.
- Data exchange with USB memory cards or external desktops, for highest reliability.
- Touch-Screen colour graphic display, to simplify the text recalling and data adjustments related operations and providing a better control of the printing process.
- The device can be provided either as print-head for installation onto automated systems (e.g. on automatic handlers) or as a stand-alone device, mounted on a desktop standing system.



Print quality starts with the ribbon.



Each version of Coditherm can be mounted on a table-stand or on a floor-stand.



Coditherm is particularly effective for printing variable data in real time on industrial products.

CODITHERM is available in different versions, enabling printing onto most surfaces, materials and object shapes. Each version comes with a wide range of stands and accessories, in order to fit each and every specific need.

FLAT

Ideal for printing onto plain or slightly formed surfaces, especially on those requiring a wider marking area.

ROUND

For printing on round or slightly conic objects. Many different types of motorised rotating devices available.

PAD

Ideal for smaller sized prints and for special applications.

H-PAD

H-PAD is the Coditherm model made by Eidos specifically for printing text and variable codes in recessed areas of plastic containers. H-PAD has a high-power piston capable of developing a force of up to 22.8 kN, in addition to new, higher performance pad heaters.

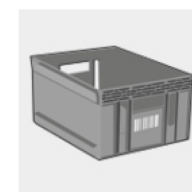
I-ROLLER 2

The I-ROLLER 2 projects the Coditherm range towards total excellence. The use of high power infrared rays to heat the transfer roller guarantees faster transfer speed and no energy loss. Thanks to its **interchangeable rollers**, I-ROLLER 2 offers high-quality printing on a range of materials and surfaces.

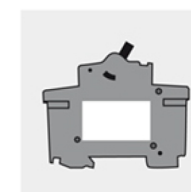
Possibilities of application:



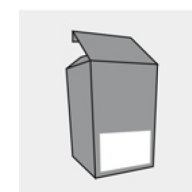
plastic containers



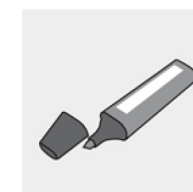
plastic cassettes



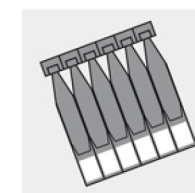
electrical components



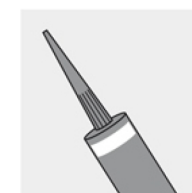
cardboard cases



plastic, leather, wooden, or painted metal objects



medical components



round plastic objects



tags and seals



brush handles



tap handles