EIDOS

H-PAD has a **high-power piston** capable of developing a force of up to 22.8 KN,
The high impression force contributes to flattening the plastic surface during printing.
This makes the operation **easier**, the result **more accurate** and the **better quality**.

PRINTING QUALITY STARTS FROM THE RIBBON.
H-PAD uses hot printing foil like thermal ribbons designed specifically for the Eidos Coditherm thermal transfer printing method.

Clean and accurate results with the Coditherm thermal transfer printing method.
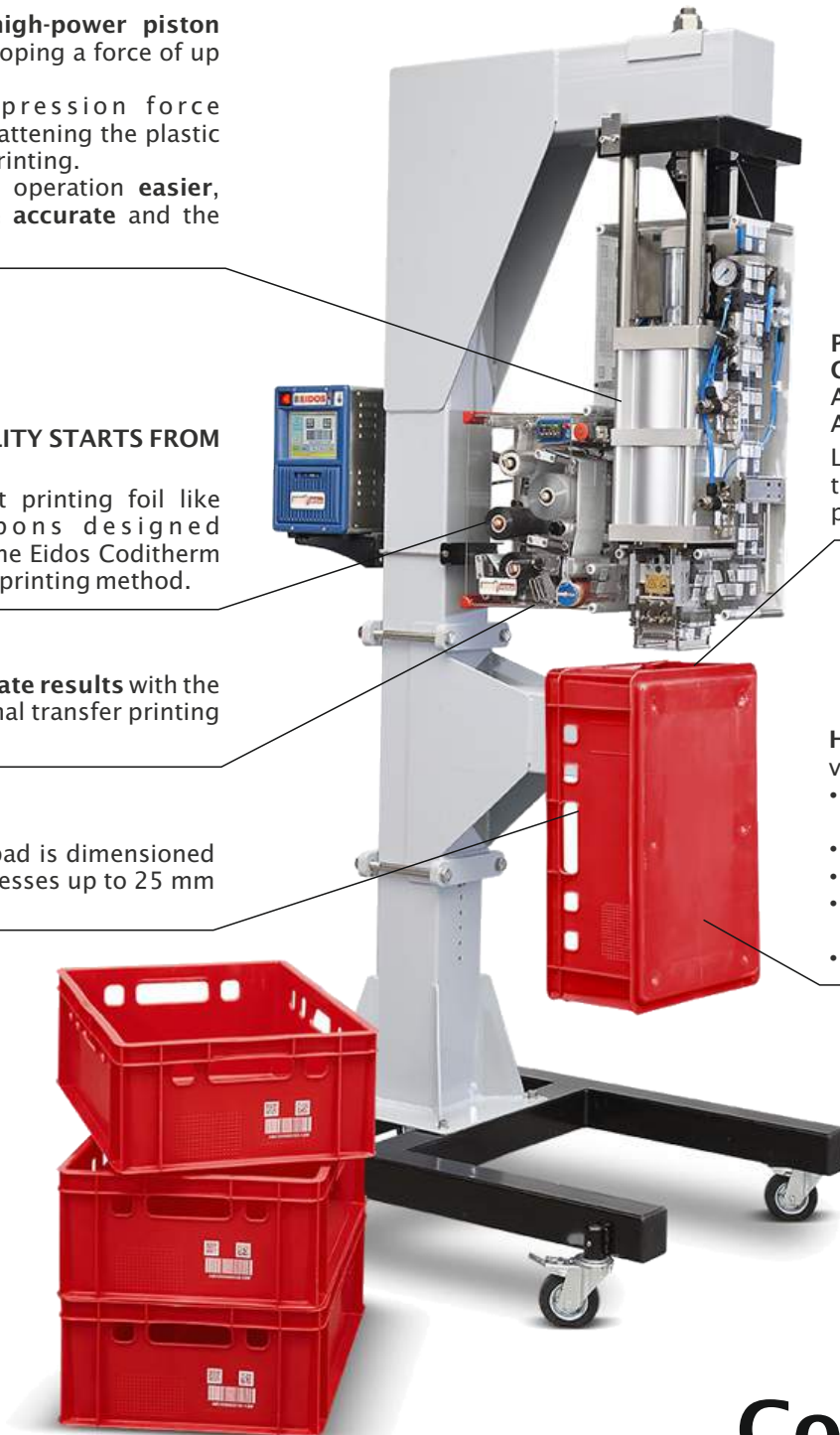
Flexibility: the pad is dimensioned to operate in recesses up to 25 mm deep.

PRINTING VARIABLE DATA: A GREAT ADVANTAGE FOR AUTOMATIC IDENTIFICATION AND TRACEABILITY.
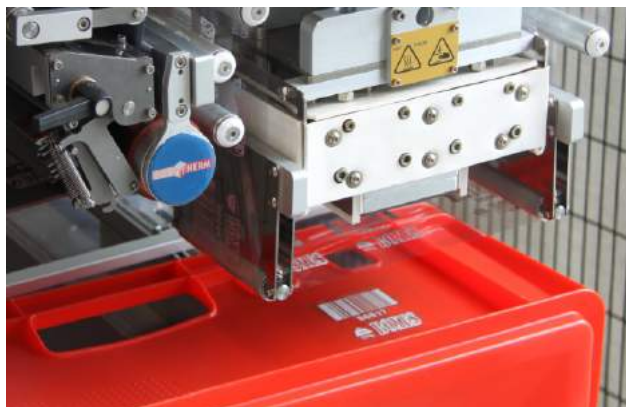Large high-temperature energy transfer particularly useful for printing on PE and PP.

H-PAD is suitable to mark a wide variety of containers:
*   externally structured **food-grade boxes;**
*   **stackable, foldable** containers;
*   **industrial** containers;
*   **waste collection bins** on wheels (printing along the upper rim);
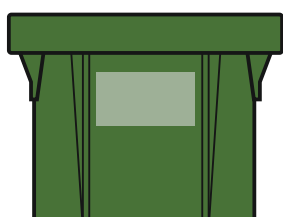*   baskets and trays.

Coditherm
H-PAD

The right power for deep printing

Coditherm H-PAD. The new dimension of thermal transfer marking. Inside recesses.

Printing on containers and boxes in recesses up to 25 mm deep.

Evolution of the PAD model (well known for its reliability), **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**.

With its innovative features, **H-PAD** is a leap forward in terms of performance:

- up to 90 x 150 mm transfer pads;
- large high-temperature energy transfer particularly useful for printing on PE and PP;
- low clearance printing ribbon guiding devices on the pad to the advantage of being able to penetrate in recessed areas with narrow margins with respect to the printed area;
- interchangeable pad unit to the advantage of adaptability to the various application needs;
- minimum maintenance.
- the pad is dimensioned to operate in recesses up to 25 mm deep.

Technical Features

AVAILABLE MODELS

- Coditherm H-PAD: basic model with different size pad.

HOT TRANSFER PERFORMANCE

- Printing area width: max 90 mm.
- Printing area length: max 150 mm.
- Force impressed on the pad: up to 22.8 kN (at 6 bar).
- Working stroke of the pneumatic cylinder: 100 ÷ 110mm.
- Hot transfer time: 5 s (max 4 cycles/min).
- Heater power: 1 KW.

PRINTING PERFORMANCE

- Printing resolution: 300 dpi.
- Printing speed: 50 mm/s.
- Other technical features: see Coditherm range general brochure.

DIMENSIONS

H-PAD (printer only): 704 mm x 430 mm x 325 mm.

THERMAL RIBBONS

- **850 Series** - ideal for PE type plastic, the printing results are particularly scratch-and-solvent-resistant and adhesion is excellent;
- **950 Series** - suitable for a wide range of applications, this uses an adhesive making it ideal for printing on PE, PP and PA; scratch-resistance is lower than the 850 Series; it is recommended for printing in recesses.

SAFETY STANDARDS

H-PAD complies with the standards in force in the matter of machine safety and CE marking.

H-PAD is designed and entirely made in Italy by Eidos S.r.l. The printing method is patented by Eidos.

For further information, view the Qr code with the mobile or please visit www.eidos.eu

EIDOS

Touch-Screen colour graphic display, to simplify the text recalling and data adjustments related operations and providing a better control of the printing process.

I-ROLLER 2 uses high power infrared rays to heat the transfer roller. Roller is heated with no direct contact points, a benefit for cleaning all other parts of the system. This solution guarantees **low maintenance.**

Larger diameter roller, with increased thermal capacity, which is sturdier and longer lasting; the hot roller replacement is fast and convenient.

PRINTING QUALITY STARTS FROM THE RIBBON.

I ROLLER 2 uses hot printing foil like thermal ribbons designed specifically for the Eidos Coditherm thermal transfer printing method.

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.**

TOTAL VERSATILITY.

Thanks to its interchangeable rollers, **I-ROLLER 2** offers **high-quality printing** on a range of materials and surfaces; it makes the printer the ideal device for printing on flat or slightly curved surfaces.

Coditherm
I-ROLLER 2

A surge in quality. Infrared.

Coditherm I-ROLLER 2. Thermal transfer marking at its finest.

In over 40 years of business, Eidos has developed and patented the procedure for direct thermal transfer printing on solid objects.

This solution is ideally suited to printing **variable data**, directly and in **real time**, onto **industrial products**. Thanks to the Coditherm range the **precision, reliability, cleanliness and excellent versatility** of this technology have also become available for **marking the widest range of materials and shapes, in addition to small lots.**

With the use of high power infrared rays to heat the transfer roller, Eidos projects the Coditherm range towards total excellence.

Thanks to its interchangeable rollers, **I-ROLLER 2** offers high-quality printing on a range of materials and surfaces:

*   slightly irregular surfaces;
*   flat surfaces which require high pressure;
*   flexible or hot-melt materials.

The potential uses are endless:

*   **plastic containers** (e.g. urban or hospital refuse recycling food trays, plastic pallets);
*   **electromechanical and electronic components** (e.g. plate data printing);
*   **medical components** (e.g. to identify disposable products);
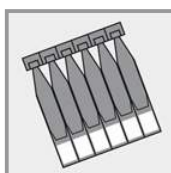*   **multiple plastic tags** (e.g. security seals).
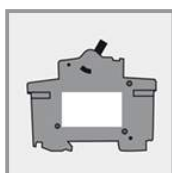
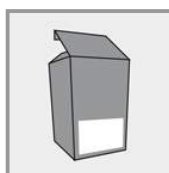**Variable data printing - Codes and progressive numbers.**

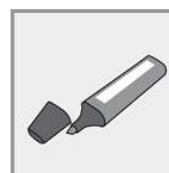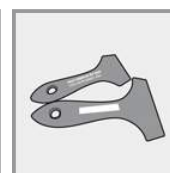| Plastic containers | Tags and seals | Medical components | Electrical components | Cardboard cases | Tap handles | Plastic, leather, wooden or painted metal objects | Brush handles |

Technical Features

PERFORMANCE

*   Print width: max 90 mm.
*   Print length: max 340 mm.
*   Carriage stroke: 360 mm.
*   I-R heater power: 1 KW.
*   Max. piston force: 1870 N (at 6 bar).
*   Max. piston stroke: 60 mm (working stroke 40÷50 mm)
*   Other technical features: see general catalogue of the Coditherm range.

DIMENSIONS

I-ROLLER Ultra-Long: 944 mm x 430 mm x 325 mm.

PRINTING PERFORMANCE

*   Print resolution: 300 dpi.
*   Print speed (hot roller transfer device):
    up to 100 mm/s (with soft resin ribbons);
    up to 50 mm/s (hard resin ribbons).
*   Carriage return speed: 90 mm/s.

SAFETY REGULATION

I-ROLLER 2 responds to the regulations in force on the Safety of machinery and on EC Marking.

I ROLLER 2 is designed and entirely made in Italy by Eidos S.r.l.
The printing method is patented by Eidos.

For further information, view the Qr code with the mobile or please visit www.eidos.eu

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 to120 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: 1KW.
- 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: 1KW, max. absorption 1200 VA.
- Max. stroke of piston: 60 mm
- Other technical features: see brochure of the Coditherm I-Roller 2.

The **CODITHERM** printing method is patented Eidos.

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.
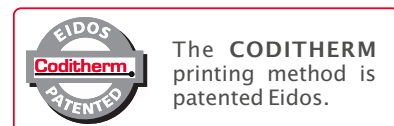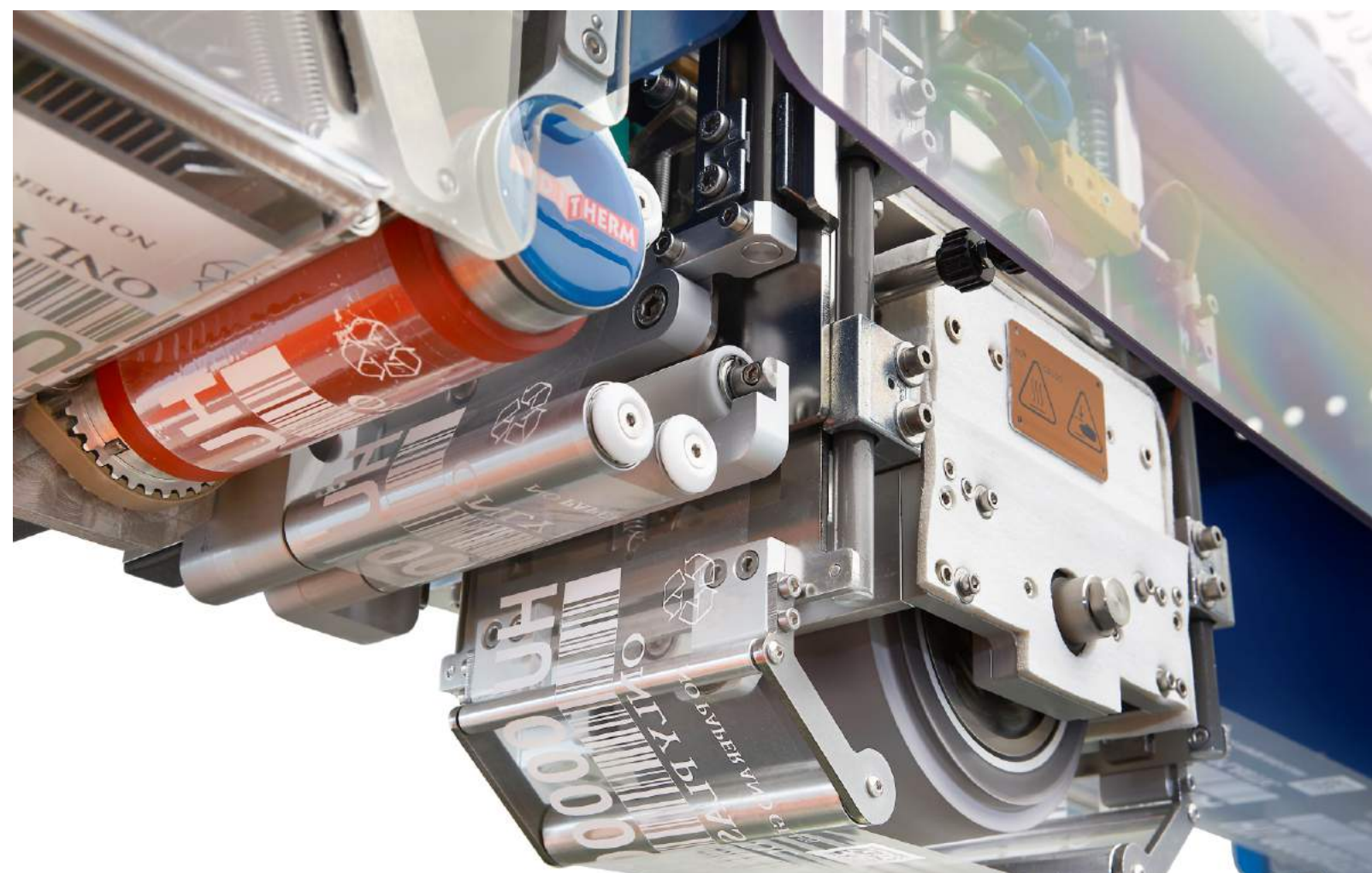
EXTERNAL POWER SUPPLY AND ENVIRONMENTAL CONDITIONS

- Electrical: 220V ac 50Hz or 110V ac 60Hz.
- Maximum power: 450 VA.
- Compressed air: 6 Bar (regulated, de-lubricated and filtered).
- Peak consumption: 40 I/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.

For further information, view the Qr code with the mobile or please visit www.eidos.eu

Coditherm

The thermal transfer marking of the industrial products

EIDOS
Coditherm

Coditherm is parlicularly effective for printing variable data in real time on industriai products.

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.

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.

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

Flexibility, productivity, sustainability and many other advantages.
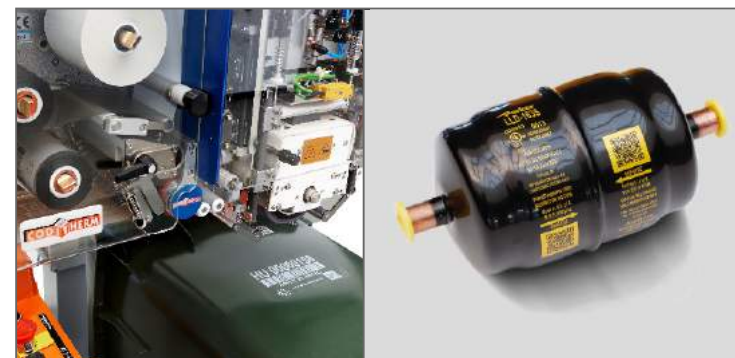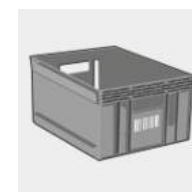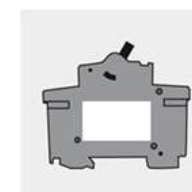
- Coditherm is the ideal solution for the marking of small lots with frequent text variations.
- High quality and definition printing, readily available and resistant to solvents and abrasion: **it is the best solution enabling easy to read bar codes and two-dimensional codes.**
- **Direct marking** 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.

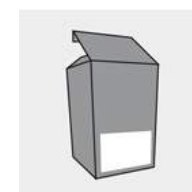## Possibilities of application:
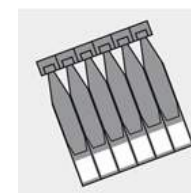
plastic containers

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