NEW

H-PAD

THE RIGHT POWER FOR DEEP PRINTING.

The specific tool for printing inside recessed parts of plastic containers:

- **clean and accurate results** with the "Coditherm" thermal transfer printing method;
- **high power:** 2000 kg;
- **high pad temperature** for printing on PE and PP plastic;
- **minimum maintenance**.

CODITHERM

EIDOS
MARKING TECHNOLOGY CREATORS

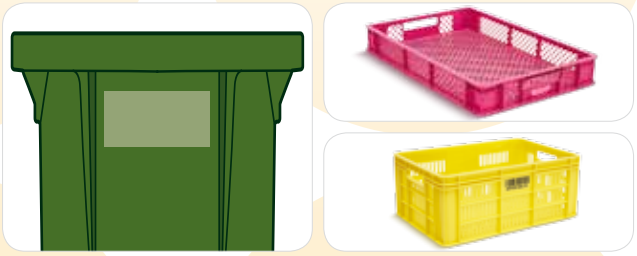
CodHP 201504-EN

CODITHERM H-PAD. THE NEW DIMENSION OF THERMAL TRANSFER MARKING. INSIDE RECESSES.

Eidos has been developing and patenting direct thermal transfer printing processes for over forty years. The solution is particularly effective for printing **variable data in real time** on **industrial products**.
With Coditherm, the **accuracy, reliability, cleanness and outstanding flexibility** of this technology are available also for **marking the most diverse materials and shapes**. **H-PAD** is the Coditherm model made by Eidos specifically for printing text and variable codes in **recessed areas of plastic containers**. 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 2000 kg**, in addition to **new, higher performance pad heaters**. With its innovative features, H-PAD is a leap forward in terms of performance:

- up to 150 x 100 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;
- very small side margins (10 mm on the long side and 18 mm on the short side);
- interchangeable pad unit to the advantage of adaptability to the various application needs;
- minimum maintenance.

Printing on containers and boxes in recesses up to 20 mm deep.

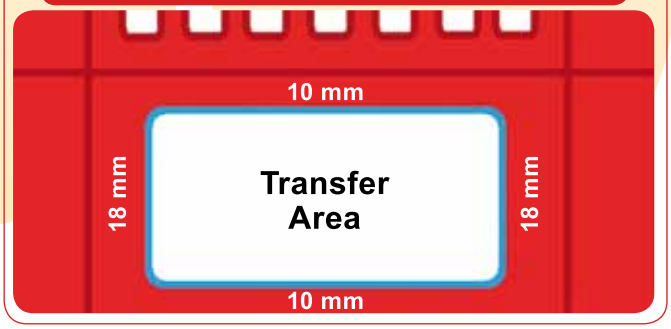


POSSIBILITY OF PRINTING VARIABLE DATA: A GREAT ADVANTAGE FOR AUTOMATIC IDENTIFICATION AND TRACEABILITY.

Printing inside recessed areas in containers requires very special technical requirements that H-PAD can fully satisfy. The pad is dimensioned to operate in **recesses up to 20 mm deep**. 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. The specific features and the potentials of H-PAD make it 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**.

Definition of the minimum side margins between the writing and the walls of the recess.



PRINTING QUALITY STARTS FROM THE RIBBON.

H-PAD uses hot printing foil like thermal ribbons designed specifically for thermal transfer by Eidos. Two families of ribbons of different colours have been developed specifically for printing on plastic containers:

- **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.

PARTICULAR TECHNICAL FEATURES

AVAILABLE MODELS

- Coditherm H-PAD: Basic model with different size pad specifically suitable for recessed areas.
- Pad Device: Model 57ZU010 (max. area: 105 x 160 mm).
  Model 57ZU011 (max. area: 95 x 70 mm).
- Floor standing: Model 59SCA50.

HOT TRANSFER PERFORMANCE

- Printing area width: max. 100 mm.
- Printing area length: max. 150 mm.
- Force impressed on the pad: adjustable to 2000 kg.
- Working stroke of the pad: max. 70 mm.
- Hot transfer time: from 3 to 5 sec.

PRINTING PERFORMANCE

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

DIMENSIONS:

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

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.p.A. The printing method is patented by Eidos.

For further information, please visit: www.eidos.eu

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