

**LIDTRON 500 - 1000**

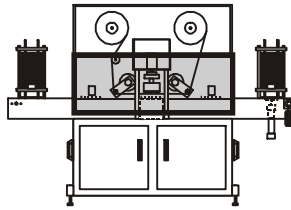
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**LIDTRON 500 - 1000  
TRANSFER MACHINE  
“HEAT DIGITAL TRANSFER” SYSTEM  
FOR PLASTIC LIDS**

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## LIDTRON 500 - 1000

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### TRANSFER MACHINE FOR PLASTIC LIDS- HEAT DIGITAL TRANSFER SYSTEM

This is one possibility of "HDT" HEAT **GMC DIGITAL TRASFER**, patented either for method and for device.

This machine transfers digital images, printed by DIGITRON printers onto paper's coil of suitable digital transfer film, onto plastic lids.

The digital transfer machine for lids can be used for lids of the following shapes: ROUND, OVAL, RECTANGULAR, SQUARE for plastic materials like:PP-PE-PS- HDPE -PVC which have a low-relief.

These machines are available in two different versions: semi-automatic mod. LIDTRON 500 and fully-automatic mod. LIDTRON 1000.

In the semi-automatic version the operator has to load/unload the lids, then the automatic printing cycle starts up in accordance with the following step:

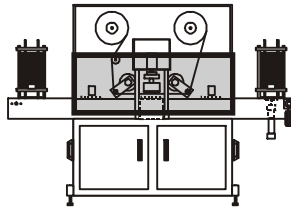
- Thermic treatment of the lid in the pre-printing station;
- Traslation of the lid towards the support plate in the printing station;
- Automatic positioning of the image over the lid;
- Printing on the image onto the lid by the Heat Digital Transfer;
- Finishing treatment post-printing station;

In the automatic version the machine is provided with re-stacker and stacker, the first placed at the entrance to feed the transfer machine, the second at the exit to stack the lid after printing.

The automatic cycle is controlled in the automatic version, LIDTRON 1000, by a programmable logic control. The automatic machine is equipped by a touch screen to interface the operator with the machine by which it's possible to modify the working parameters for different works.

For every format of lid is necessary one tooling is composed of:

- Plate to support the lid to decorate;
- Printing pad.

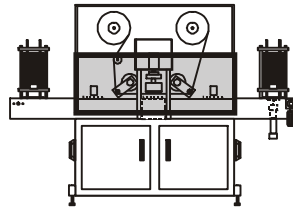


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## SPECIFICATIONS

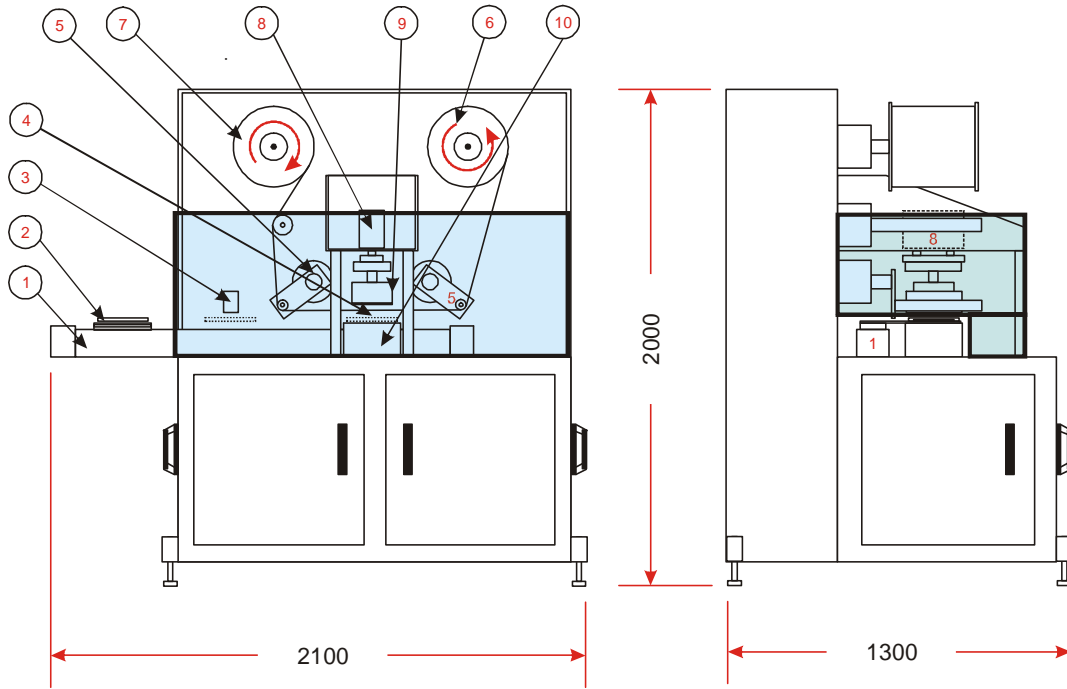
<b>Printing process</b>	<b>Heat Digital Transfer di immagini digitali</b>
<b>Transfer speed FULLY AUTOMATIC</b>	<b>2.000 pieces /hours</b>
<b>LIDS shape</b>	<b>Round, Oval, Square or Rectangular</b>
<b>SIZES</b>	<b>ROUND</b> min diam:50mm - max diam:300mm <b>OVAL</b> min axis:50mm -max axis:300mm <b>RECTANGULAR</b> min side:50mm -max side:300mm <b>SQUARE</b> min side:50mm- max side:300mm
<b>Depth</b>	<b>MAX 10mm</b>
<b>Material</b>	<b>PP-PE- PS-HDPE-PVC.</b>
<b>LIDs Temperature</b>	<b>Min15°C</b>
<b>NOISE</b>	<b>40db</b>
<b>Electric INPUT</b>	<b>200,220,240V 380,440V 50/60hz 3 phases +Neutral+ Ground</b>
<b>Electric consumption</b>	<b>4kW</b>
<b>Pneumatic INPUT</b>	<b>6atm no-water, no-oil, 300nl/min</b>
<b>Sizes</b>	<b>2.500mm(L)x 1.500mm(W)x2.000mm(H)</b>
<b>Weight</b>	<b>kg 900</b>

**INDICATIVE DATA AND SUBJECT TO ADAPTATIONS**



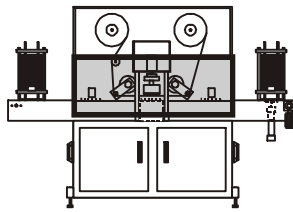
## LIDTRON 500 - 1000

### LIDTRON 500



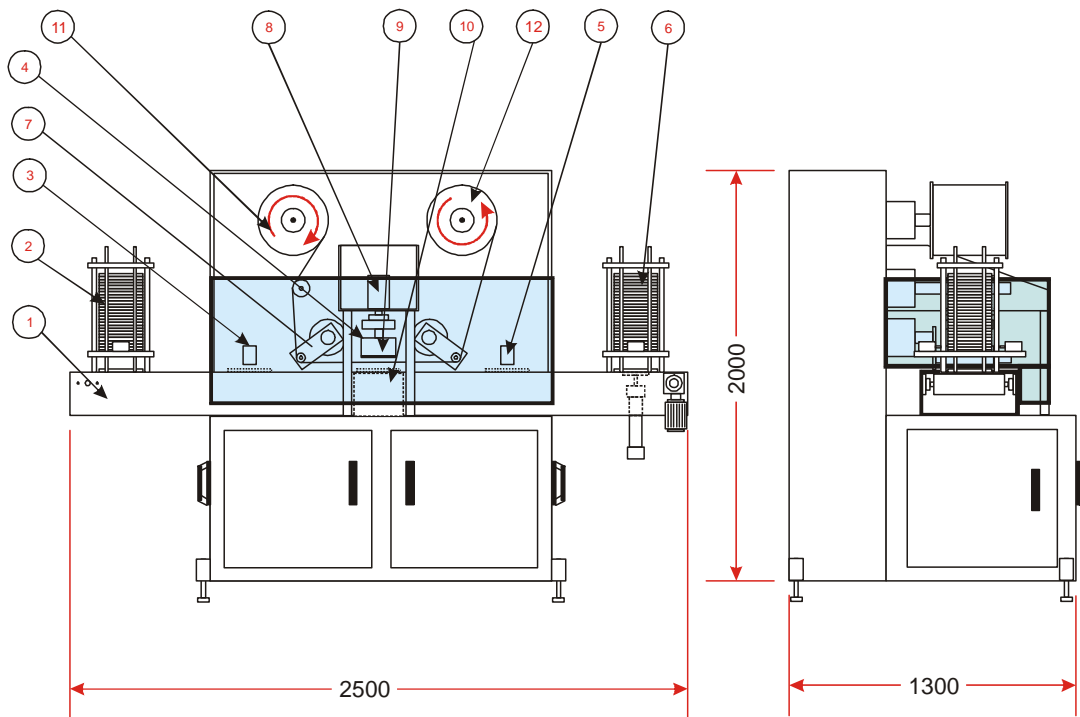
- 1 - Cilindro pneumatico per movimento coperchio
- 2 - Carrello movimento coperchio  
Stazione di carico / scarico
- 3 - Stazione di trattamento superficiale pre-stampa e finitura
- 4 - Stazione di stampa
- 5 - Parni tenditori carta
- 6 - Bobina avvolgitore
- 7 - Bobina svolgitore
- 8 - Cilindro pneumatico pressore
- 9 - Tampone di stampa
- 10 - Piattello di sostegno

- 1 - Pneumatic cylinder to move the lids
- 2 - Carriage to move the lids  
Loading/unloadig Station
- 3 - Pre-printing and post printing station for surface Treatment
- 4 - Printing station
- 5 - Paper strecher pin
- 6 - Winder coil
- 7 - Un-wiinder coil
- 8 - Pressure Pneumatic cylinder
- 9 - Printing pad
- 10 - Support plate



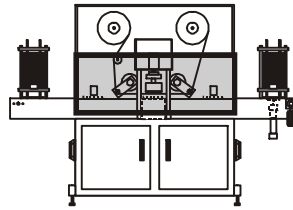
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### LIDTRON 1000



- 1 - Nastro di trasporto coperchi
- 2 - Disimpilatore coperchi
- 3 - Stazione di trattamento superficiale pre-stampa
- 4 - Stazione di stampa
- 5 - Stazione di trattamento superficiale di finitura
- 6 - Reimpilatore coperchi
- 7 - Tensionatori carta
- 8 - Cilindro pneumatico pressore
- 9 - Tamponi di stampa
- 10 - Piattello di sostegno
- 11 - Bobina svolgitor
- 12 - Bobina avvolgitor

- 1 - Conveyor belt for the lids
- 2 - LIDs DE-STACKING Station
- 3 - Pre-printing Surface Treatment
- 4 - Printing station
- 5 - Post-printing Surface Treatment
- 6 - LIDs RE-STACKING Station
- 7 - Paper Stretcher
- 8 - Pressure Pneumatic Cylinder
- 9 - Printing pad
- 10 - Support Plate
- 11 - Un-winding coil
- 12 - Re-winding coil



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