

HERMETICA

CAPSULE BANDING MACHINE



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THE HERMETICA IS A CAPSULE BANDING MACHINE, FOR TAMPER EVIDENT SEALING OF CAPSULES FILLED WITH LIQUIDS BUT ALSO WITH POWDER OR OTHER PRODUCTS



Wheeled tank for gelatine



Capsule feeding unit

Capsule exit

Capsule draw-off



MACHINE DESIGN

The Hermetica has a balcony structure allowing maximum visibility and best accessibility to each phase of the working process.

The capsule feeding hopper has a low position, for easy capsule feeding and bins positioning, and is placed on the right side of the machine. Capsule exit is located on the opposite side facilitating operations on the machine from the front area. In case some capsules remain stuck to the transport plates, a draw-off guarantees their complete removal improving machine functioning.

EASY SIZE CHANGE OVER

Both sealing and drying transport plates contain a double row of capsules, thus reducing the number of pieces to be changed and cleaned.



Pre-drying unit

- ADJUSTMENT OF GELATINE TEMPERATURE (INDEPENDENT FOR EACH GELATINE BOWL).
- AUTOMATIC CONTROL AND MAINTENANCE OF GELATINE VISCOSITY (OPTIONAL).



Drying box

DRYING UNIT

Immediately after the gelatine band application, a standard pre-drying unit ensures a fast fixing of the band before transferring the capsule in the drying box for the definitive drying process: this avoids any capsule deformation. Additionally the capsule carriers have a design that facilitates the passage of the air allowing quick drying.



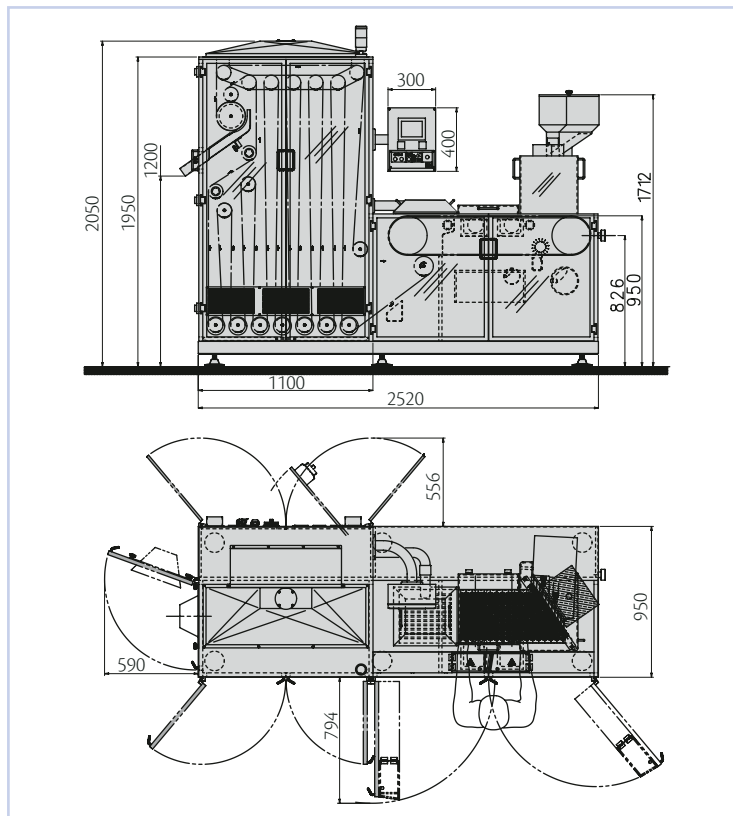
SEALING SYSTEM

The machine is equipped with two separate gelatine bowls with independent control. A double gelatine band is applied by two rollers, with independent speed regulation, so that any air bubble of unevenness in the first band is overcome by the second application.

HERMETICA TECHNICAL DATA

CONTROL SYSTEM

A PLC with colour touch panel HMI is available to control machine working parameters.



MODEL	HERMETICA
Maximum output (capsules/hour)	50,000 (upgrade up to 100,000)
Capsule size	0L – 00 – 0 – 1 – 2 – 3 – 4 (00L and 00L as an option)
Number of capsules per row	11
Distance between rows (mm)	19.05
Number of slats for sealing	74
Number of carriers for drying	306 (up to 612 for upgraded version)
Environmental conditions	Room temperature 20° – 25° C / 45% – 50% RH
Drying time	7' 20"
Sealing disc shaft (pieces)	2 - independent speed
Gelatine bowl (pieces)	2 - independent
Maximum installed power (kW)	6
Standard voltage	230/400 V (±10%) – 50/60 Hz
Aspirator depression (mm H ₂ O)	3,200
Air capacity (l/min)	5,100

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