

HERMETICA

CAPSULE BANDING MACHINE



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THE HERMETICA IS A CAPSULE BANDING MACHINE, FOR TAMPER-EVIDENT SEALING OF CAPSULES FILLED WITH LIQUIDS AS WELL AS WITH POWDER OR OTHER PRODUCTS.



Capsule feeding unit

Capsule exit

Capsule draw-off



MACHINE DESIGN

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

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

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.



- ADJUSTMENT OF GELATIN TEMPERATURE (INDEPENDENT FOR EACH GELATIN BOWL)
- AUTOMATIC CONTROL AND MAINTENANCE OF GELATIN VISCOSITY (OPTIONAL)
- SEALING OF HPMC CAPSULES (OPTIONAL)
- HMI COMPLIANT WITH 21 CFR PART 11



Drying box

DRYING UNIT

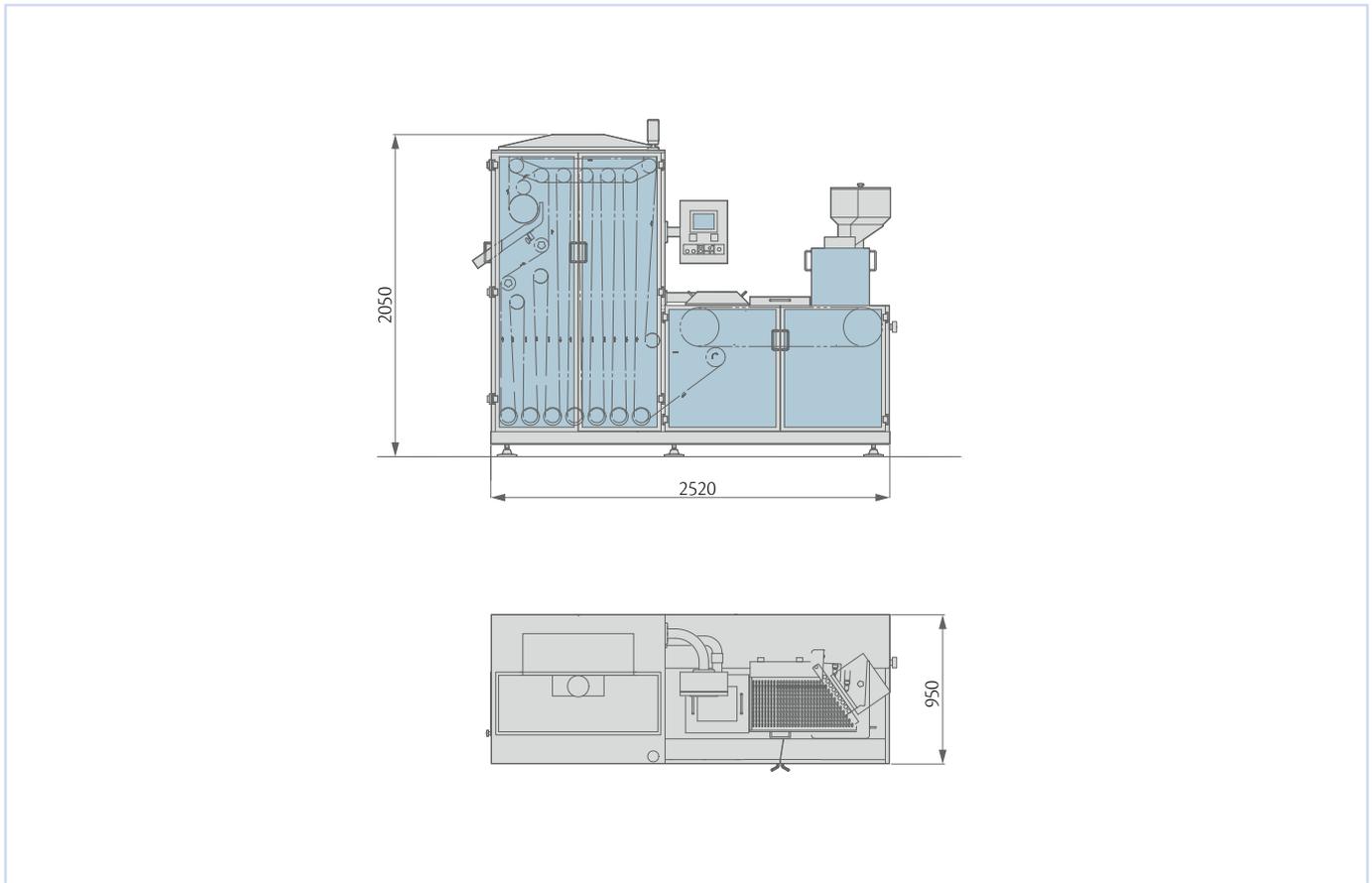
Immediately after gelatin band application, a standard pre-drying unit ensures fast fixing of the band before transferring the capsule into the drying box for the final drying process: this avoids any capsule deformation. The capsule carriers also have a design that facilitates the passage of the air to allow quick drying.



SEALING SYSTEM

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

TECHNICAL DATA



Model	50	100
Maximum output (capsules/hour)	50,000	100,000
Capsule size	00 - 0 - 1 - 2 - 3 - 4 (000 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	612
Drying time	7' 20"	
Sealing disc shaft (pieces)	2 - independent speed	
Gelatin bowl (pieces)	2 - independent	
Maximum installed power (kW)	6	
Standard voltage	230/400 V (±10%) - 50/60 Hz	
DRYING AIR UTILITY REQUIREMENTS		
Depression (mm H ₂ O)	3,200	
Capacity (m ³ /h)	1,400	
Temperature (°C)	18 - 22	
Humidity	25 - 35%	

