

Hoonga

Blister machine HM 400R

High Output with Minimum Space, Continuous Motion, Drum Sealing



Balcony style designed and constructed in accordance with the requirement of the pharmaceutical industry and in observance of GMP standards. To meet pharmaceutical-complaint packaging concepts, production and mechanical drive systems are entirely separated in order to keep from the contamination of products. Both areas are easily accessible for maintenance and cleaning. This model is capable of max. 400 blisters per minute within a confined space, in continuous motion with drum sealing at dual lane system. By tool-less design of change part, it allows easy and fast tool change in less than 30 minutes. Latest technology of servo driving system secure the highest accuracy and the most precise operation penetrating all major stations as well as relieve the change over time by electrically saved product parameters, light weight of parts and fast replacement. PC base HMI system contributes to various kinds of control, easy monitoring and tracking for data and production, uploading the latest programming

- Maximum 400 blisters per minute
- MMI control via industrial PC control system
- Compact floor space
- Non contact sandwich type preheating
- Drum sealing station + self adjustment indexing by servo motor
- Servo-controlled blister machine
- Easy and fast format mold changeover
- Flexible discharge direction
- PP film applicable
- cGMP compliant design
- 21 CFR part 11 ensure (Option)



1	2
3	4

1. Forming Station

Either thermoforming and/or cold forming can be implemented at Forming Station. Thermoforming is performed by means of air blowing on a heated film and such process allows material flexibility which includes polypropylene (PP) with a special forming mold. Cold forming is carried out by the plug assist mechanism.

2.3. Self-adjusting Indexing System

A position of the film is read and corrected at each index step by servo motor drive technology. The forming zone has individual servo-driven grips which assist the indexing system. Emboss Coding, Perforation and Punching Stations form a fast driving zone that is operated by servo-driven rotary indexing systems.

4. Discharge

Sorting process for inferior products and empty packs is available by camera vision system and optical sensor. (Front side discharge)

5. Feeding Section

A continuous motion product feeding mechanism enables swift feeding speed for general products. A drum or special feeding system can also be installed for Alu / Alu packaging and special products.

6. Continuous Motion Sealing

Continuous motion sealing with rotary indexing and cooling drum contributes to fast product feeding speed.

7. Product Inspector

A camera vision system can be installed following the product feeding zone.

8. Print Registration Control System

This device controls stretching force of lid foil regularly to match the printing information on the pack by examining eyemark positions.

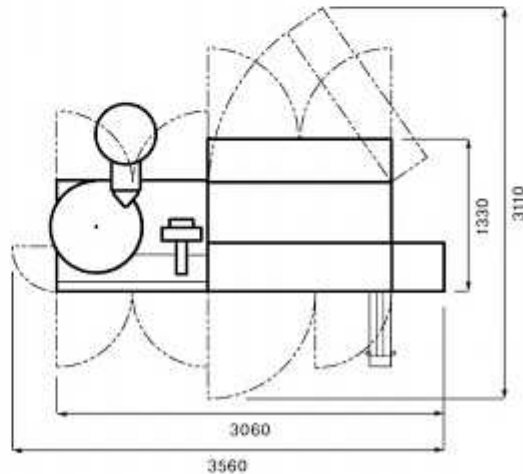


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TECHNICAL DATA

Output	max. 400 blisters/min. in dual lanes	
Operation speed	Thermo forming	min. 15 – max. 60 cycles/min
	Cold forming	min. 15 – max. 50 cycles/min
	Punching	min. 50 – max. 200 cycles/min
Forming format range	Width	min. 60 – max. 250 mm
	Index	min. 30 – max. 200 mm
	Depth	max. 12 mm (Alu/Alu : max. 8 mm)
Punching format range	Width	min. 60 – max. 240 mm
	Index	min. 30 – max. 100 mm
Packaging material	Forming material	PVC, PVC/PVDC, PVC/ACLAR, COC, PET, PP, Alu forming material, etc.
	Lidding material	Alu-hard / soft, Child Resistant Lid Foil, etc.
Utilities	Electric power connection	380V, 3-phase, 50/60Hz (other voltages available on request)
	Electric connection	16 KVA
	Compressed air pressure	6 bar in 10% fluctuation
	Air consumption	200 NL/min
Machine dimensions	Length	approx. 3,060 mm
	Width	approx. 1,330 mm
	Height	approx. 1,870 mm
	Weight	approx. 2,500 Kgs



Contents on this catalogue are to assist understanding of the machine only and are subject to technical modifications without prior notice. The final specification is as per our quotation offered to you exclusively.