Blister machine HM 200R

Flexible to Frequent Changing Production Schedule, Balcony Type Construction

Balcony design construction with a compact footprint is capable to cover most flexibility and frequent change of schedule and products. Continuous motion in single lane achieves high output. Feeding zone and mechanical drive system are entirely separated and both areas are easily accessible for maintenance and cleaning. Tool-less design and electrically(?) saved parameters allow operator quick and easy change of size parts. Advanced servo drive system secures the most high accuracy and precise operation at every station. It is GMP compliance design. 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 200 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. **PVC uncoiler**
Forming material axis fixing by means of mechanical chuck with self-centering. Cut and splicing table for fast changeover of new reel of form film. Motorized forming film release controlled by photo sensor. Uniformed pre-heating plates.

2. **Self adjustment indexing system**
Self adjustment indexing for slow driving zone by means of servo technique with high resolution encoder. It synchronizes in between slow and continuous driving zone, and compensates indexing tolerance caused by shrinkage of forming material.

3. **Forming station**
Forming station to cover either thermo and/or cold forming. Thermo forming by means of air blowing to cooled mold plate. It contributes the best material flexibility till poly propylene (PP) by special forming mold. Cold forming by means of plug assist mechanism.

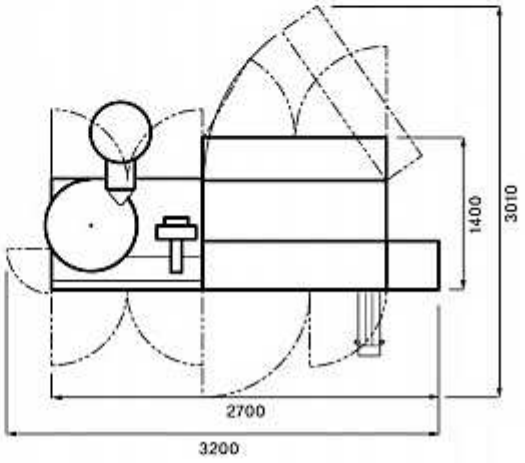
4. **Continuous sealing station**
Continuous sealing operaion with rotary indexing and cooling drum. The continuous operation contributes fast product feeding speed.

5. **Fast driving zone**
Fast driving zone, stations of emboss coding, perforation and die punching with downing. Self adjustment indexing for fast driving zone by means of sensor and roller servo motor controlled. It also synchronizes in between continuous driving and fast driving zone.

6. **Color LCD touch panel**
Color LCD touch panel interface enables operators and engineers to access not only operation buttons but also all operation parameters of each the mold set, trouble shooting as per self diagnosis, referring to manual book, audit trailed records, etc.

TECHNICAL DATA

Output	max. 200 blisters/min in single lane	
Operation speed	Thermo forming	min. 15 ~ max. 60 cycles/min
	Cold forming	min. 15 ~ max. 60 cycles/min
	Punching	min. 50 ~ max. 230 cycles/min
Forming format range	Width	min. 60 ~ max. 150 mm
	Index	min. 30 ~ max. 160 mm
	Depth	max. 12 mm
Punching format range	Width	min. 60 ~ max. 150 mm
	Index	min. 30 ~ max. 100 mm
Packaging material	Forming material	PVC, PVC/PVDC, PVC/ACLAR, COC, PP, PET, Alu forming material, etc.
	Lidding material	Alu-hard/soft, Alu/paper, PP, etc.
Utilities	Electric power connection	380V, 3-phase, 50/60Hz (other voltages avatlable on request)
	Electric consumption	15KVA
	Compressed air pressure	6~8bar in 10% fluctuation
	Air consumption	150 NL/min



Width	approx. 1,400 mm
Length	approx. 2,700 mm
Height	approx. 1,700 mm
Weight	approx. 2,000 Kgs