# blister packaging
# HM 300P

## Smart functions
The HM 300P comes with a smart control system for flexible machine control and monitoring. This remote control can be operated by smart mobile phone and/or tablet PC from anywhere in the plant. It offers rapid recognition of machine condition without direct machine viewing on touch screen. Additionally, the touch screen trouble shooting page is linked to operating manual and electrical diagrams for prompt problem resolution.

## PackML programming
PackML Programming provides an additional linkage to all machines for greater ease of maintenance and troubleshooting. Those customers using PackML are realizing true cost benefits by reducing operational and training costs while experiencing shorter production cycles.

## Industrial standard PLC control system
The production process is fully controlled by PLC control system with touch screen that makes production management and operations very simple. Controlled access to the machine is provided by assigning user accounts with different security levels. The system is also capable of providing self diagnosis and detailed trouble shooting reports. Quick tooling changeover is enabled through simple mechanical tool changes followed by selecting preset parameters of a specific format within the control system.

## GMP compliant design
Balcony construction with the slope bottom, clean and simple composition of station and frameless safety doors allow easy and fast cleaning which minimal dust accumulation.

Smart Remote Control System

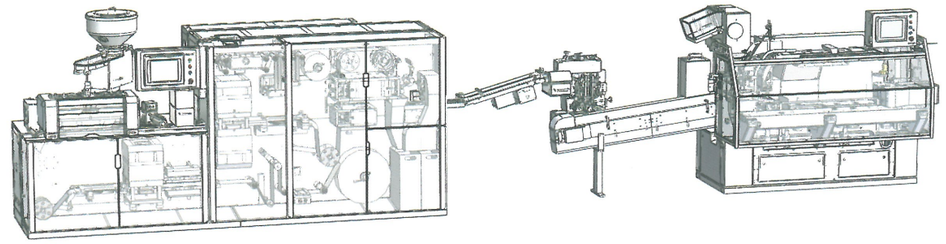
## Servo driven
This blister packaging machine has designed in the main working stations that are completely servomotor driven. It assures to reducing maintenance time including tool changeover by self- adjusted indexing.

## Feeding systems
The HM 300P can be combined with various feeding systems for solids blistering. Track feeder, Brush box feeder or Shift feeder can be used with this unit.

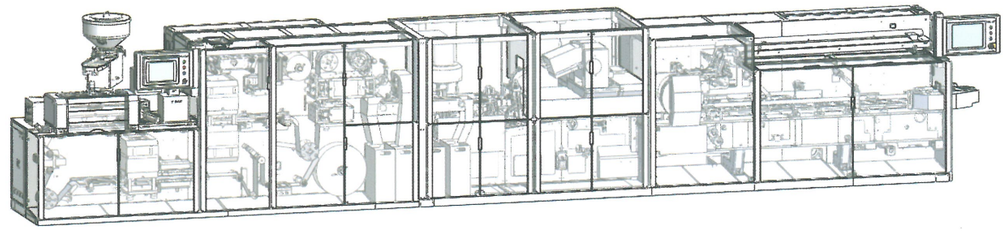
## Convenient integration system
Punched blisters are transferred by a discharge wheel and positioned onto the discharge conveyor with upmost pace and accuracy. It automatically accomplishes reliable rejection for complete alignment to downstream machine.

## Fast tool changeover
Self-adjusting indexing with servo drives and the tool-less changeover design for mold sets allows for fast and easy mold changeover within 15 minutes.

## Integration exemplification



**HM 300P lined up with intermittent horizontal cartoner HC 120**
**Line dimension : L / 8,500 x W/ 1,800 mm**



**HM 300P lined up with continuous horizontal cartoner HC 300**
**Line dimension : L/ 9,600 x W/ 1,600 mm**

## Technical Data

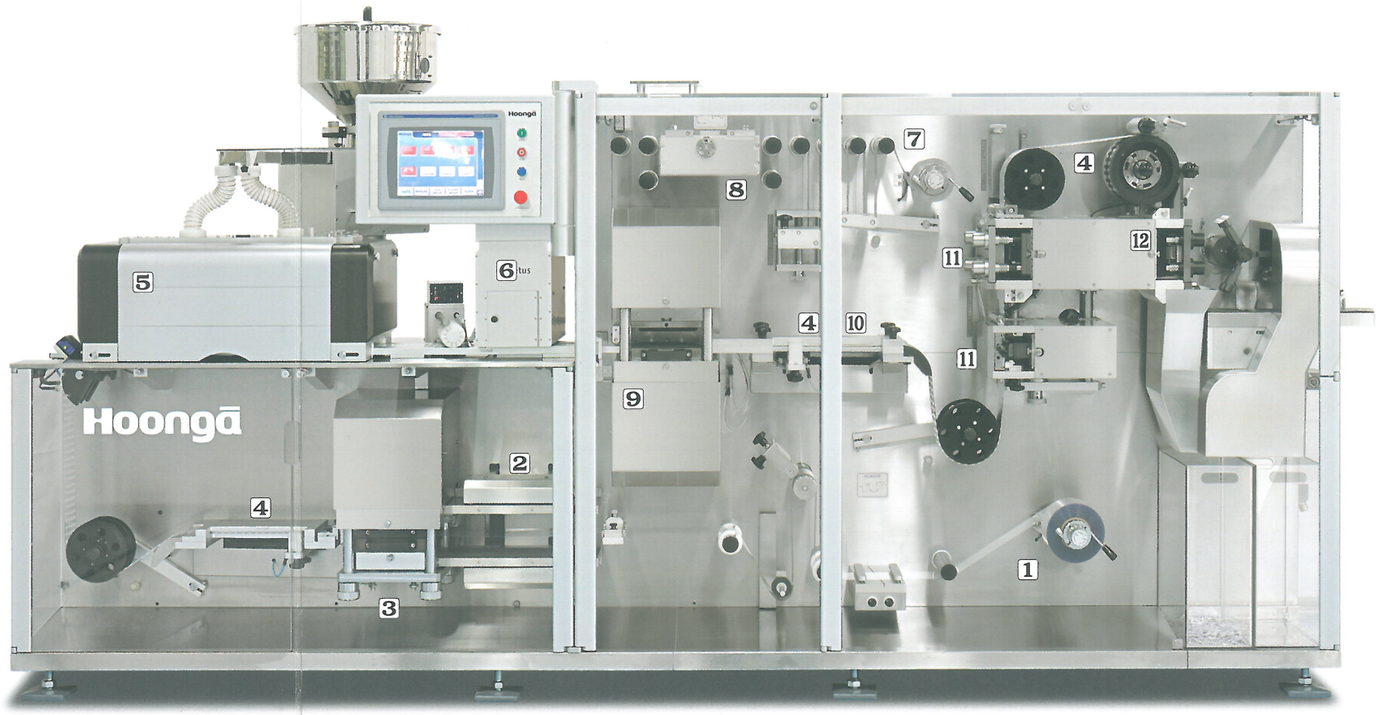
| | | |
|---|---|---|
| Output | | max. 300 blisters/min. in single lane |
| Operation speed | Thermo forming | max. 70 cycles/min. |
| | Cold forming | max. 60 cycles/min. |
| | Punching | max. 300 cycles/min. |
| Forming format range | Width | max. 160 mm |
| | Index | max. 200 mm |
| | Depth | max. 12 mm |
| Forming foil reel diameter | | max. 500 mm (core dia. 76 mm) |
| Lidding foil reel diameter | | max. 250 mm (core dia. 76 mm) |
| Packaging material | Forming | PVC, PVC/PVDC, PVC/ACLAR, COC, PP, PET, Laminated Alu. |
| | Lidding | Hard/Soft Alu., Child Resistant lid foil, etc. |
| Utilities | Electric power connection | 380 V, 3-Phase, 50/60 Hz<br>(Other voltages are available on request) |
| | Electric consumption | 15 KVA |
| | Compressed air pressure | 6 bar in 10% fluctuation |
| | Air consumption | 200 NL/min. |
| Machine dimension | | L/ 3,800 x W/ 1,350 x H/ 1,730 mm |
| Weight | | 3,000 kg |

The technical specifications given hereby are subject to change without prior notice or without liability.

# Most optimized blister packaging machine for small and medium sized batch production.

## Available options

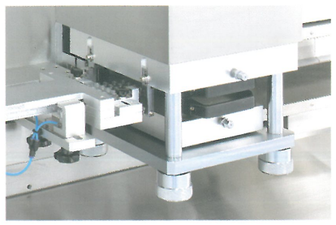
- Product feeding elevator from floor plan
- Various automatic product feeding systems
- Vacuum dust control system
- Carmera inspection system
- Pinhole detection for Alu/Alu
- In line printer either flexographic or laser printer
- Ink jet, laser or emboss coding
- Barcode reading printed on lidding foil




1 **Forming reel unwinder with splicing table**
2 **Pre-heating station**
6 **Camera inspection**
7 **Lid foil unwinder with splicing table**
8 **Pneumatic print registration**
11 **Emboss and perforation station**

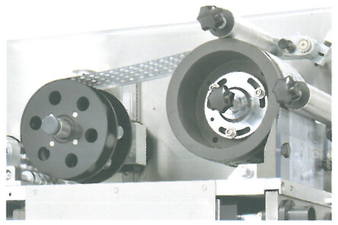
### 3 Forming station

Compressed air is used in the forming process and the thermoforming station can be easily changed into cold forming whenever needed.



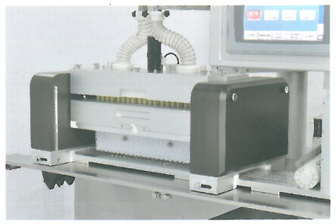
### 4 Draw-off

All draw-off stations are driven by servomotor and fulfilled self-adjustment. Optimized tool design, tool- free format helps to fast and easy tool changeovers.



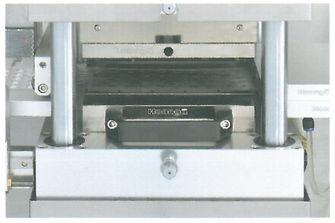
### 5 Feeding station

Various feeding systems for solid products are available. The image shown here is equipped with Shift Feeder.



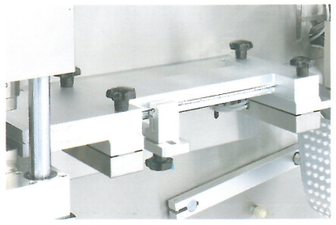
### 9 Platen sealing

It is operated by servomotor drive technology which contributes to the flexibility of blister design.



### 10 Cooling station

Tunnel type, tool free cooling system has combined with draw-off function. It helps to reducing tool changeover time.



### 12 Punching station

Horizontal punching system leads to perfect blister discharging and easy integration of blister in-line operation.