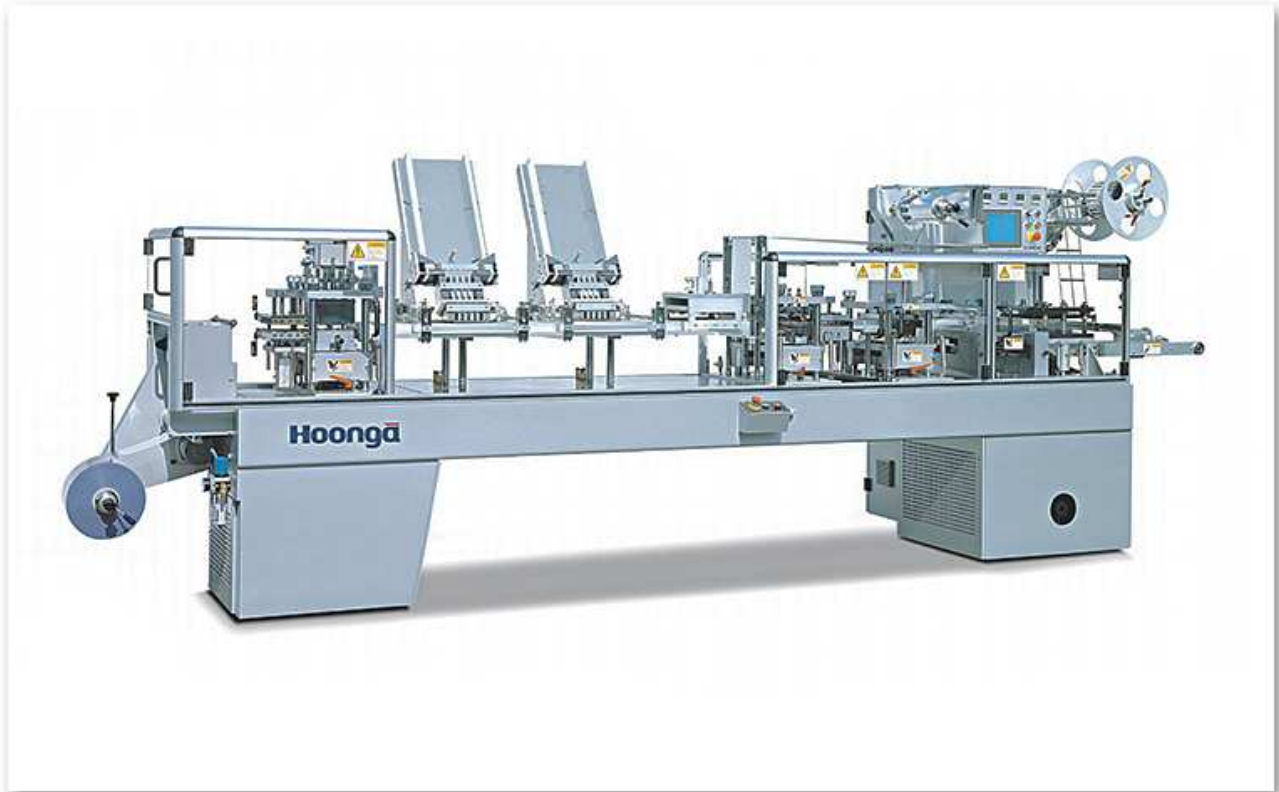


## Blister machine HM AV / HM AV+

*Extreme Flexibility in economical Price for Ampoule, Vial, Syringe Blister*



This model has the same conception of HM-V3. However, it is specially designed to package ampoules, vials and syringes in tray, with or without lidding, all in one bed. Its wide and deep draw forming contribute for flexible layout of format and mass production of diverse products. Feeding system by magazine or automatic pick-and-place is available (AV plus) Latest Model HM-AV plus by servo technology ensures high accuracy by optimizing web-indexing. Automatic feeding system (Optional) ensure the most efficient, high productivity and high standard safety with easy access for maintenance.

- Up to 30 rpm
- MMI control via PLC & touch panel
- Thermoforming by clean air blowing with plug assisting
- Wide and deep draw forming range for various kinds production
- Blister cavity design in vase shape to lock an ampoule/vial
- Double pre-heating system (AV+)
- Servo motor driven web indexing (AV+)
- Automatic syringe feeding system applicable (AV+)
- Automatic ampoule/vial feeding system applicable (AV+)
- CE Regulation approved



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### 1. Forming station

Plug assist blow forming makes complicate shape and vase shape form to lock ampoule/vial in the cavity.

### 2. Automatic ampoule and/or vial feeding system

Two vertical magazines and a feeding system mounted on the dual lane of form.

### 3. Automatic syringe feeding system (AV\*)

Automatic syringe feeding is available on request.

### 4. Inserting device

Ampoules/vials fed on the cavity are compulsorily inserted into the vase shape cavity form to be locked.

### 5. Sealing station

Sealing upper plate lift-up system on machine stop. (option)

### 6. Cooling and slitting station

This station can be applied for perforation.

### 7. Draw-off and punching

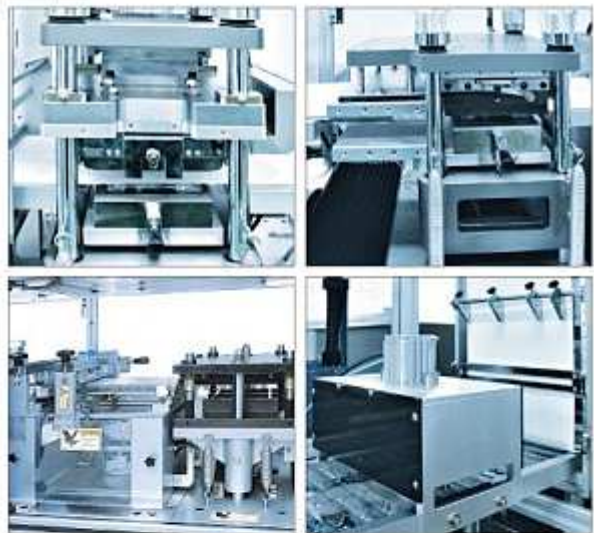
Draw-off operated by rotary cylinder with lever. Die-punching finished blister tray.

### 8. Feeding detector and tear marking

Tear marking on the lid foil for detected empty blister.



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7	8



# TECHNICAL DATA

## HM AV

<b>Output</b>	min. 12 ~ max. 30 cycles/min	
<b>Forming format range</b>	Width	max. 235 mm (AV <sup>+</sup> : max. 330 mm)
	Index	max. 170 mm (AV <sup>+</sup> : max. 200 mm)
	Depth	max. 30 mm
	Effective area	225 mm width x 165 mm index
<b>Packaging material</b>	Forming material	PVC, PVC/PVDC, PVC/ACLAR, COC, PET, etc.
	Lidding material	Alu-hard / soft, Alu/paper, PP, PE, etc.
<b>Utilities</b>	Electric power connection	380V, 3-phase, 50/60Hz (other voltages available on request)
	Electric consumption	10KVA (AV <sup>+</sup> : 16KVA)
	Compressed air pressure	6 bar within 10% fluctuation
	Air consumption	240 NL/min (AV <sup>+</sup> : 350NL/min)
	Chilled water	240 L/H in automatic circulation by installed chiller (AV <sup>+</sup> : 350L/H)
<b>Machine dimensions</b>	Width	approx. 1,030 mm (AV <sup>+</sup> : approx. 1,200 mm)
	Length	approx. 4,860 mm (AV <sup>+</sup> : approx. 7,370 mm)
	Height	approx. 1,900 mm (AV <sup>+</sup> : approx. 1,860 mm)
	Weight	approx. 2,000 kgs (AV <sup>+</sup> : approx. 2,500 kgs)

Words and photographs on this catalogues are to help understanding of the machine model only and subject to technical modification without prior notice. The final specification is as per our quotation offered to you exclusively.