



HM V3

Performance with extreme flexibility in economical price for small batch pharmaceutical and confectionary blister packaging. Highly flexible and economical solution for blistering not only for pharmaceutical but also for confectionery and other consumer products.

- It covers thermo and cold forming, plug assist deep forming for complicate shape, vacuum/blow/plug forming, etc.
- It can also integrate detection and rejection system, including line-up to the cartoner.
- It handles a wide variety of applications for thermo and cold forming, ampoule/vial-blister, hang-hole blister for consumer products.

Forming materials: PVC, PVDC, COC, ACLAR, Cold form alu-foil, etc



HM 200R

Standard features of Balcony construction models HM 200R. Flexible to frequent changing production schedule.

The recent pharmaceutical packaging systems are highly required Just-In-Time production schedule to fulfill ever changing customers needs.

Moreover we are required continuously to keep up to-dated GMP directives, and safety of products through production information management by computerized documentation system. Generally, the most essential issue that our customers consider is to find ways to save production cost and one of the way is to applying production automation.

HM200R meets most of our customer's needs as design conception as:

- Industrial PC control system with color touchscreen interface which control system is ready for 21 CFR PART 11.
- Servo control technology contributes Self adjustment Indexing, convenient format change over, accurate operation, etc.
- Convenient adaptation to cartoner by single or dual lane discharge.
- Flexible to frequent changing production schedule by means of 15-25 minute of mold changeover time.
- Continuous motion drum sealing in dual lane produces high output max. more than 200 blisters per minute on the smallest floor space, 2.6 meters machine length. It also has form material flexibility till PP forming.

HM V3 and HM 200R SPECIFICATIONS

| specification | unit | V3 | V5 | V6 | V6/TR | V9 | AV | 200R | 400R | 400 |
|-----------------------|---------------|-----------|-------|--------|-------|-------|-------|------------------------------|------------------------------|------------------------------|
| machine model | | | | | | | | | | |
| Capacity cycles(max.) | strokes /min. | 55 | 60 | 55 | 50 | 45 | 35 | 70(forming) 200(punching) | 70(forming) 200(punching) | 70(forming) 200(punching) |
| Form film width | mm | 235 | 210 | 250 | 250 | 300 | 235 | 150 | 250 | 250 |
| Indexing | mm | 125 | 140 | 145 | 145 | 220 | 170 | 100 | 200 | 200 |
| Forming depth(max.) | mm | 15(18,32) | 12 | 2D(32) | 20 | 17 | 32 | 12 | 12 | 12 |
| Power consumption | KVA | 10 | 10 | 15 | 18 | 15 | 10 | 15 | 16 | 30 |
| Air consumption | NL/min. | 240(280) | 240 | 350 | 400 | 240 | 240 | 150 | 200 | 250 |
| Air pressure | bar | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| Dimension(mm) | Length | 4,460 | 5,180 | 5,390 | 6,960 | 6,760 | 4,860 | 2,600 | 2,600 | 4,900 |
| | width | 1,170 | 950 | 1,160 | 1,210 | 1,100 | 1,030 | 1,200 | 1,400 | 1,550 |
| | Height | 2,020 | 2,060 | 1940 | 2,100 | 2,080 | 1,900 | 1,600 | 1,600 | 2,100 |

HANA 120



Intermittent motion horizontal cartoning machine.

Especially designed to fit the demand from the industry where requires facility in absolute hygienic standard, just like pharmaceutical, medical, food, confectionary, etc. To comply current GMP directive, It completely separated packaging zone and driving zone. Driving mechanism mostly applied mechanical cam, shaft, gear driving and timing belt for solid and accurate operation with minimum maintenance.

HANA 300



High speed continuous motion horizontal cartoning machine. Designed to fit the demand from the industry where requires facility in absolute hygienic standard, just like pharmaceutical, medical, food, confectionary, etc.

Its construction designed in balcony conception to comply with current GMP directives for easy and fast cleaning conception. Driving mechanism mostly applied mechanical cam, shaft, gear driving and timing belt for solid and accurate operation with minimum maintenance.

HANA 120 and HANA 300 SPECIFICATIONS

| specification machine model | unit | HANA 120 | HANA 300 |
|--------------------------------|--------------|----------|----------|
| Operationspeed (max.) | cycles /min. | 100 | 300 |
| Size range (min. - max.) | | | |
| A | mm | 20 - 100 | 35 - 100 |
| B | mm | 15 - 85 | 15 - 70 |
| C | mm | 60 - 150 | 70 - 150 |
| Air pressure | bar | 6 | 6 |
| Dimension (mm) | Length | 2,850 | 4,700 |
| | width | 1,500 | 1,600 |
| | Height | 1,600 | 1,500 |