carton packaging
HC 200

Smart functions
The HC 200 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.

Smart Remote Control System

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.

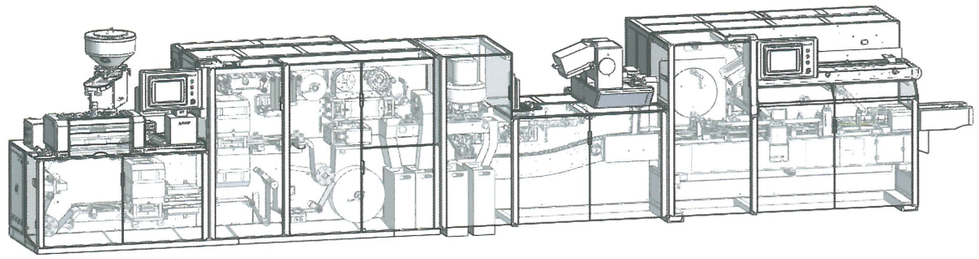
Ergonomic design
It is constructed in balcony design to comply with the current GMP directives for easy access of maintenance and cleaning. Ergonomic operator friendly design such as flat carton supplying magazine, product in-feed conveyor and carton closing zone allow easy and convenient accessibility to all parts.

Combination of servo and mechanical driven
This cartoning machine has designed both servo and mechanical driven for the main working stations. This combination assures to increasing of operation speed and reducing maintenance time including tool changeover.

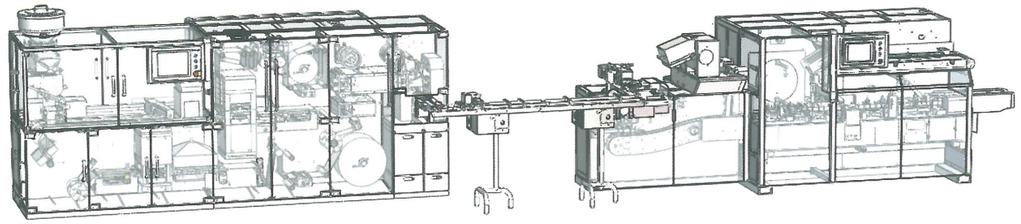
Product and leaflet inserting system
Continuous pushing motion is driven by a timing belt with safety measure where the operation will halt once pushing overload is detedcted. 14 pushers placed opposite of the operator side and inserting the product with leaflet continuously. Flat leaflets are folded by the leaflet folder and transferred toward the product inserting area.

Fast tool changeover
The limited number of format parts and user friendly, error-free operation assure the fast tool changeover and allows a maximum of flexibility during production process.

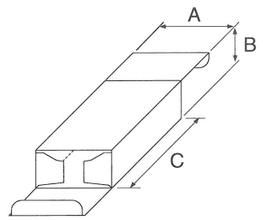
Integration exemplification



HC 200 lined up with intermittent blister HM 300P (Smartline)
Line dimension : L / 8,800 x W/ 1,500 mm



HC 200 lined up with intermittent blister machine HM 400P
Line dimension : L/ 10,500 x W/ 2,300 mm



Technical Data

Maximum output		max. 200 cartons/min.
Mode of operation		Continuous
Format range	A	30 ~ 90 mm
	B	15 ~ 90 mm
	C	70 ~ 150 mm
Utilities	Electric power connection	380 V, 3-Phase, 50/60 Hz (Other voltages are available on request)
	Electric consumption	6 KVA
	Compressed air pressure	6 bar in 10% fluctuation
	Air consumption	200 NL/min.
Machine dimension		L/ 4,600 x W/ 1,500 x H/ 1,700 mm
Weight		4,000 kg

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

Most practical carton packaging machine for small and medium sized lots at a low cost

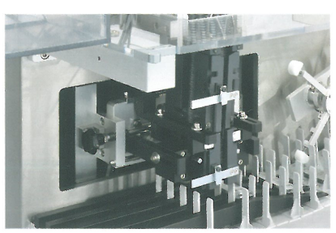
Available options

- Various automatic product feeding systems
- Leaflet folding and/or booklet feeding unit
- Ink jet, laser or emboss coding
- Hot melt and/or tuck-in carton closing
- Lumat unit for leaflet detection
- Detecting system for product presence in carton
- Open flap reject unit

2 Product infeed conveyor
3 Mechanical product quantity detector
4 Leaflet folding system
7 Carton transport

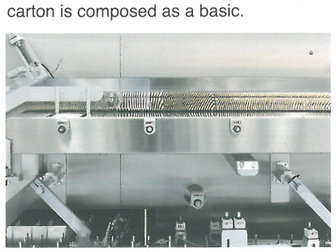
1 Blister stacking magazine

Straight or apiral magazine stackes blisters and counts blister numbers to load onto the blister infeed conveyor.



5 Carton supply magazine

1,700 flat cartons can be loaded in carton magazine. Level gate for belt operation and sensor to check minimum quantity of carton is composed as a basic.



6 Carton feeder

Two(2) head rotary carton feeder performs stable carton pick-up, forming and placing into the continuously running transport chain.

8 Product insertion

Product inserting operates through a pusher set together with a leaflet pushing blade as continuous motion.

9 Emboss coding

The embossing unit marks variable data on the carton. Laser or inkjet systems are available. Code reading system can be installed to check correct product packaging.

10 11 Flap closing and discharge

Tuck-in, hot melt and temper evidence sealing are all possible. The finished products are discharged by the lateral guide belts and incorrect or incomplete cartons are automatically rejected.