



High output blister packaging for liquid dose products in balcony construction



Since 1970, Hoonga has been persistent in its efforts to supply packaging systems in global markets, keeping up with fast changing trends and customers needs. Continuous development and creative thinking enable Hoonga to provide innovative solutions and applications for automatic packaging systems.

blister packaging LB 400

Packaging Systems

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AUGUST / 2018



blister packaging

LB 400

LB 400 is an upgraded balcony design blister packaging machine, specialized in liquid dose products in pharmaceutical market. This machine is designed for mass production while offering gentle and high performance for ampoule, vial, pre-filled syringe and other similar products along with various kinds of automatic feeder. Overall production management and operations are fully controlled by an industry standard PC control system with HMI touch panel. Main stations are driven by servo motor not only to allow automatic operation, but also to provide operator-friendly environment throughout the procedure. If there are any desired product types or output, additional feeding systems can be applied in the existing station accordingly.

Industrial PC control system with innovated HMI operator panel

All production procedures are fully operated by an industry standard PC control system with a color LCD touch screen. Access to the machine is strictly controlled by assigning user accounts in order to heighten the security level involved with production. Supervisors can monitor the production status by inspecting chronological operation records through audit trails. Moreover the system is also capable of providing self diagnosis and detailed trouble shooting reports. Servo drives and the PC control system fully automate the operation and provide accommodating environment for inexperienced operators. The entire operation manual is stored in the PC control system for the operator's convenience.

cGMP compliant equipment design

GMP compliant ergonomic design for easy cleaning and maximum pharmaceutical reliability helps excellent performance to operators. Separation of drive and operating section increases machine efficiency for maintenance.

Deep forming depth for diverse product

LB 400 is a flexible machine for liquid dose products in high output as its forming depth is acceptable to maximum 50 mm with various configuration. Servo-regulated forming station for perfect blister pockets effects products to be inserted properly during high-speed operation.

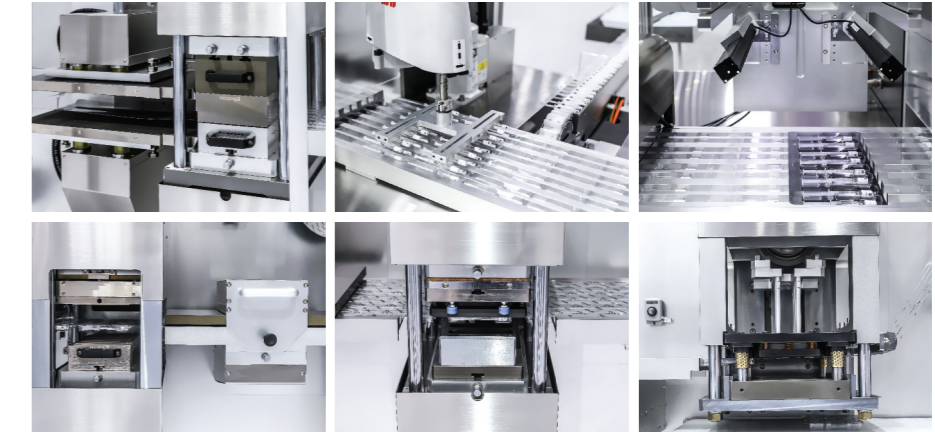
Fast tool changeover

The fastest format changeover is available through simple mechanical tool changes by selecting preset parameters of a specific format on the control system. Also self-adjusting indexing with servo drives and the tool-less changeover design for mold sets enable to easy and fast mold changeover.

- One to eight lane operation
- Double forming film reel stand with splicing table for increasing production efficiency
- Non-contact type double pre-heating plate with automatic lift up system
- Servo regulated plug assist forming system
- Intermittent platen sealing with sealing safety system, regulated by servo
- 2 indexing systems by servo driven
- Servo regulated station for perforation/ slitting and punching
- Pick & place system to protect product and alignment
- Waste chopper for collection of waste without machine stop
- Flexible machine length depends on options

Available options

- Print registration control system
- Product feeding inspection system
- Various automatic feeding system
- Printing device on lid foil
- 21 CFR Part 11



1	2	3
4	5	6

1. Preheating & forming
2. Feeding system
3. Inspection system
4. Sealing & cooling
5. Slitting or perforation
6. Punching



Technical Data

Output		max. 400 bpm
Mode of operation		Intermittent
Operation speed		max. 50 cycles/min.
Forming format range	Width	290 mm
	Index	200 mm
	Depth	50 mm
Forming foil reel diameter		max. 500 mm (core dia. 76 mm)
Lidding foil reel diameter		max. 300 mm (core dia. 76 mm)
Packaging material	Forming	PVC, PVDC, PET, etc.
	Lidding	Al. Paper, Tyvek, PE, etc.
Utilities	Electric power connection	380 V, 3-Phase, 50/60 Hz (Other voltages are available on request)
	Electric consumption	10 KVA
	Compressed air pressure	6 bar in 10% fluctuation
	Air consumption	400 NL/min.
Machine dimension		L/ 8,100 x W/ 1,680 x H/ 1,730 mm
Weight		5,100 kg

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