


Packaging Systems

The background of the lower half of the page is a collage of industrial machinery, specifically cartoning machines, in various shades of green and blue. The machines are complex, with many rollers, gears, and structural frames. The text is overlaid on this background.

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.

Cartoning Machine

HANA 120

HANA 120

Hoong-A horizontal cartoner, intermittent motion, model HANA 120 is designed to handling a wide range of products for pharmaceutical, nutraceutical, medical, food and confectionery field, etc. with the new concept of construction separating mechanical and electrical section from the packaging area. It has also solid construction as driving mechanism mostly applied for mechanical cam, shaft, gear driving and accurate operation by timing belt. etc.

PLC control with touch panel

MMI through touch panel shows general operation status, speed, error message and its trouble shooting, all required parameters of changing over the size and so on.

Ergonomic design

Operator side is fully linear and open for the best operator's access to all necessary parts, like product transportation bucket conveyor belt, flat carton supplying magazine, carton closing zone, etc. Especially product feeding is from machine body side.

Easy and fast format mold changeover

Design with simple change-over the size parts and easy setting by means of digital indicator allow operator simple and fast change-over of size parts in 15-20 minutes.

GMP compliant design

Balcony construction with slope bottom surface provides clean and simple composition of functional stations. Frameless safety doors make operator easy and fast cleaning. It minimizes the hidden corners for dirt accumulation.



Safety and controls of automatic cartoning

- Torque guides are installed on the main driving for machine stop against overload
- Interlocked barrier guarding for strict operator's safety
- All design of safety complied with CE regulation
- Correspondence with upstream facility
- Check presence and/or quantity of product being fed in the carton
- Overload control of product-pusher
- Pre-warning of minimum quantity on magazine of flat carton
- Check correct carton pick-up
- Upper guide in carton transportation zone for machine stop on carton-crush

Adaptation available on HANA 120 :

Standing alone or synchronized with an upstream installed system

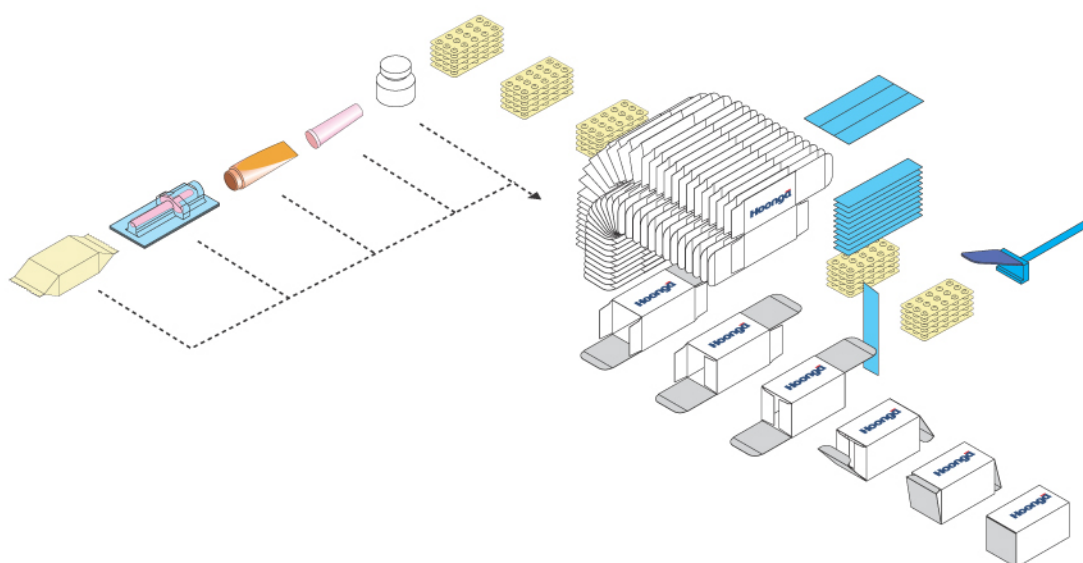
- Various product feeding system, blister cards (1 through 10), bottles, tubes, sachet, and a like
- Leaflet feeding device
- Code reading control system
- Carton rejection of missing leaflet or incomplete coding, etc.
- Check leaflet presence inside carton
- Available various coding options emboss coding, ink-jet, laser-jet, etc.
- Hot-melt gluing closure



1. Bottle feeding system
2. Carton forming
3. Code reading system
4. Luminescence sensor
5. Emboss coding
6. Carton closing
7. Hot melt system
8. Position adjustment by digital indicator



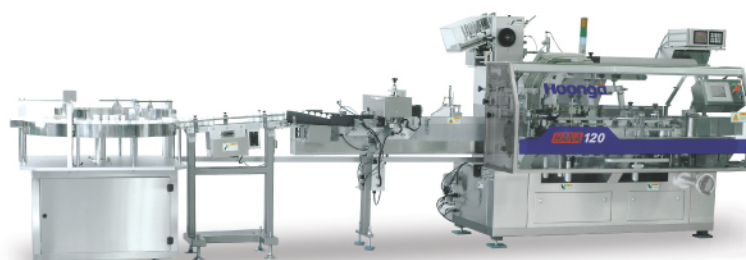
Operation





*Intermittent motion horizontal cartoning machine,
Balcony conception to comply with current GMP directives,
Driving mechanism mostly applied with minimum maintenance,
Ergonomic design for convenient operator access,*

ISO 9001: 2000 / ISO 14001



Feature of HANA 120 for bottle carton with turning table.

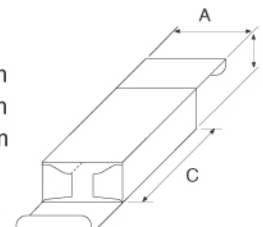
TECHNICAL DATA

HANA 120

Output max. 100 cartons/min

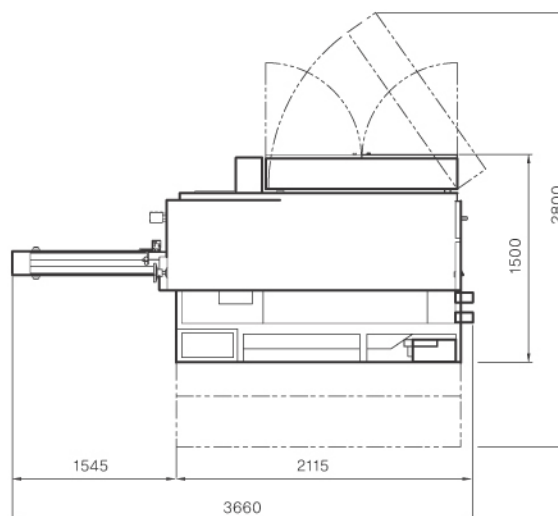
Size range	HANA 120	HANA 120L
	A : min 35mm - max. 100mm	A : min 35mm - max. 100mm
	B : min 15mm - max. 85mm	B : min 15mm - max. 85mm
	C : min 70mm - max. 150mm	C : min 70mm - max. 190mm

Special size is available upon request.



Utilities	Electric power connection	380V, 3 Phase, 50/60Hz (Other voltages available on request.)
	Electric consumption	3 KVA
	Compressed air pressure	6 bar in 10 % fluctuation
	Air consumption	100 NL/min

Machine dimensions	Width	approx. 1,500 mm
	Length	approx. 3,660 mm
	Height	approx. 1,700 mm
	Weight	approx. 2,200 mm



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.

Hoonga

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