

carton packaging **HC 400**



Packaging
Systems

carton packaging HC 400

Continuous motion horizontal cartoner HC 400 is a high speed model of up to 400 cartons per minute. Servo drives on all the machine movements provide a precise control and reliability at high speed production. Newly innovated HMI operator panel and system ensure the best performance and efficiency in maximum output.

Industry standard PC control system

Innovative machine operation and production management are possible by incorporating an industry standard PC control system with a color LCD touch screen. Controlled access to the machine is provided by assigning personnel user accounts with security levels. Audit trails allow supervisors to monitor the status of the machine and production by inspecting chronological operation records. The system is also capable of providing self diagnosis and detailed trouble shooting reports. Fast format changeovers are possible by selecting preset parameters of a specific format on the control system. Servo drives and the PC control system fully automate the operation and provide a user friendly environment for inexperienced operators. The entire operation manual is stored in the PC control system for the operator's convenience.

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 operator easy and convenient accessibility to all parts, consequently it leads to quick and easy changeovers in 30 minutes.

Simple and stability

Three (3) head rotary carton feeder performs stable carton pick-up, forming and placing into the continuously running transport chain. Additionally it reduces adjustment times of format change and start-up wastes. Horizontal infeed conveyor even at high speeds.

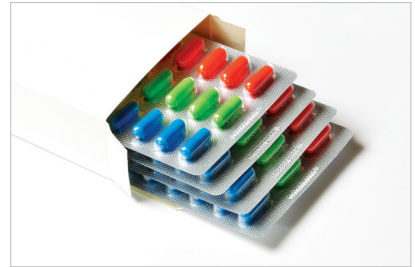
Secure insertion of products and leaflet

Continuous pushing motion is driven by a timing belt with safety measure where the operation will halt once pushing overload is detected. 15 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.





*High speed continuous motion horizontal cartoner,
gentle and stable operation with the latest technology.*



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Components of HC 400

- Toothed belts product transport with buckets
- Detect the product presence during its transport in the bucket chain
- Adjustable flat carton magazine for high capacity easy to load conveyor belt
- Three(3) head rotary carton feeder for carton pick- off and pre-opening
- 15 continuous motion pushers for smooth product inserting into carton complete with pushing overload detection
- Automatic product rejection in case of missing carton/leaflet or incomplete product
- Carton exit by motorized side belts
- Automatic faulty carton rejection system
- Minimum level control for cartons and leaflets
- Carton presence detection in product insertion position
- Polycarbonate safety guards
- PC control system with a LCD touch screen.
- Safety controls

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

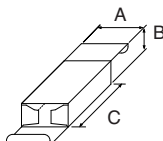




1. Blister stacking magazine
2. Rotary carton feeder
3. Emboss coding & Code reading system
4. Leaflet folding system
5. Continuous product insertion
6. Discharge

1	2	3
4	5	6

Technical Data

Output	max. 400 cartons/min	
Mode of operation	Continuous	
Format range	A 30 ~ 90 mm	
	B 15 ~ 85 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/ 5,300 x W/ 1,620 x H/ 1,720 mm	
Weight	4 ,800 kg	
The technical specifications given hereby are subject to change without prior notice or without liability.		



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.

Hoonga

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