



Packaging Machinery & Systems
made for you



Wrap Around Case Packer

WAR100

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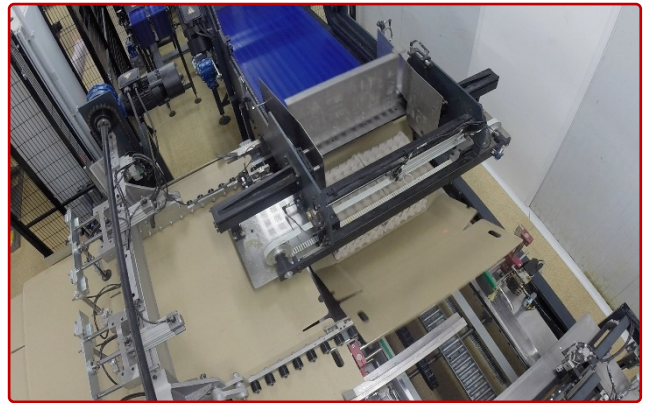
MAIN TECHNICAL FEATURES

Standard machine

The box is formed by a descender with platform: a suction cup mechanically guided. The descender is controlled by a frequency inverter, which provides a precise adjustment in the descent and erection of the carton processes.

The descender is also controlled by an encoder, which gives precision in all the stops. When the product is being formed and grouped, the carton is positioned to receive it. Then, the lift is operated, and the descent is made.

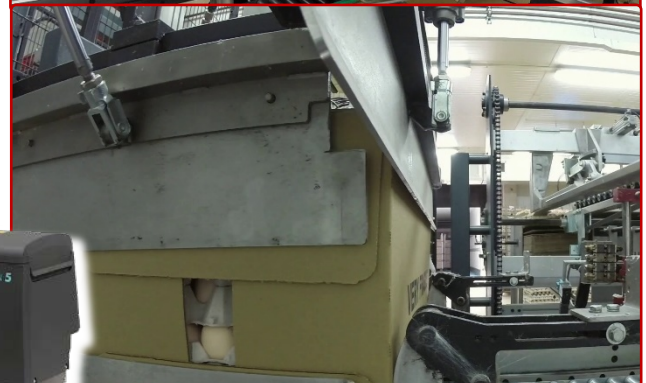
The carton wraps around the entire product formation and, once it has reached the lower area, it is positioned between the pushing blades of the movement carousel, which is also controlled by a frequency inverter.



Forming system

This system folds and squares all the flaps in the last step of the movement carousel. This system guarantees a perfect formation and squaring of the carton.

The gluing process is made by a hot-melt system. A gun with an electro-mechanic movement applies a rope of hot glue in the front flap. The side guns apply the glue when the carton crosses through the system. The amount of hot-melt and the length of the ropes of glue can be controlled by the PLC and an encoder.



Product infeed



Side structure and railing to form the rails made of stainless Steel AISI304. A powered modular belt is used to transport the product, which has an "Intralox" design, controlled by an electronic speed inverter.

The product arrives from the modular band and it is divided into the different rails by a pneumatic agitator. Then, the product is transported to the head, where a detection system activates when the pattern has two layers, elevating 1 layer so the next one arrives below.



Once the two groups are prepared, the double Hatch opens to place the product at the descent point. When it is detected, the carton arrives and starts the descend of the box. The detection system places the first group over the second one to finish the stacking process.

To change the format, the following elements have to be changed: the spacers, the lift plates, the compression plates and the programming of the gluing parameters.

This infeed conveyor has two detections: lack of stacking and fallen product.

Carton dispenser magazine

High output automatic magazine to dispense the carton sheets.

The carton dispensing mechanism includes a pneumatic cylinder with a vacuum system which separates the carton sheets one by one. Then, a roller places it in the guides so the absorption bans place it in the waiting area. When the machine needs a carton below the grouped product, the carton sheet positions to start the box forming process.



Easy, simple and fast adjustments trough a handle and serrated racks measured in millimeters.

Electric cabinet and panel control

In this cabinet, the Siemens PLC, along with the control and protection elements, will be placed.

Through an operation full-color touchscreen the machine can be controlled, and all the required data for its correct functioning will be loaded.

Also, the screen will show the status of the carton forming process, the number of cycles, alarms, etc.



Technical Features	Standard
Electrical supply:	400 V III+N+T 50 Hz
Installed power:	8 Kw
Compressed air supply:	6 bar
Production* (depending on format and type):	Up to 10 cartons/min.

Carton Dimensions

Width:	200 - 500 mm
Length:	150 - 350 mm
Height:	85 - 320 mm

Main standard components

HMI:	LCD touch screen
PLC:	Siemens
Pneumatic elements:	SMC
Speed inverters	Schneider
Hot-Melt system	Meler

Other components or brands on request (it can add an extra cost)

* Depending on the quality, format and dimensions of the cartons.

The quality and format of the cases must be verified and approved by the EARFLAP technical office

Options

Stainless Steel 304
Outfeed belt or rollers conveyor
Product grouping rails
Automatic dimensional adjustment
Other colors on request (it can add an extra cost)

Standard machine layout

