

General features

The DOM top filling cartoning machine was designed for installation downstream of the packaging line, but also as an independent unit. The pick & place ensures fast and accurate picking of products arriving from the loading conveyor belt and precise box filling. Different types of products can be processed, different types of configurations can be implemented inside the box according to needs and the box itself can have various dimensions. The various stations composing it create a machine with an extremely compact design, without renouncing the essential and indispensable qualities such as strength and accessibility. Having filled the boxes, they are pushed towards the exit and the machine closes the flaps and seals them with adhesive tape. Options available: hot glue. Finally, a cartoning machine with all the automatic and automated adjustments.

Specific features

STANDARD DIMENSIONS OF THE BOXES:
MINIMUM: Width 150 mm, Length 150 mm, height 150 mm.

MAXIMUM: Width 400 mm, Length 600 mm, height 400 mm.

The box measurements are intended with the wings closed.

NOTE: as an optional, other smaller or larger measurements are also available to design and quote according to the project

The strengths of the DOM cartoning machine are:

- the compactness, reduced dimensions, high speed up to 20 boxes/minute with triple pick & place;
- the motorised adjustments;
- the fast format change, the easy accessibility of the parts to adjust, the movements on the dovetail guides and the recirculating ball guides.
- user-friendly Siemens management PLC.

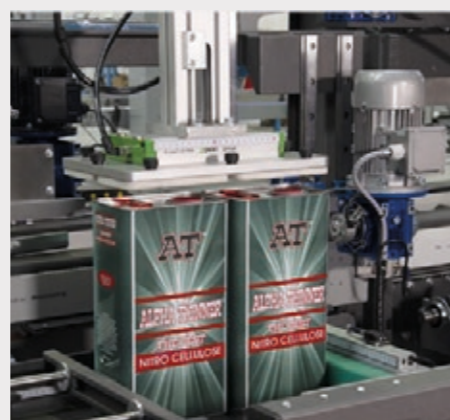
Details



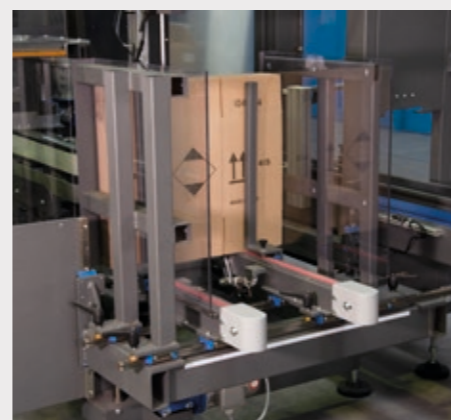
New generator cartoning machine, one of a kind. Compact, automatic, simple adjustments (mostly motorised).



Pick and place system for fast & accurate products picking up from the infeed transport conveyor and precise feeding of the carton with the configuration previously set.



Pick & place for fast and accurate picking of products arriving from the loading conveyor belt and precise filling.



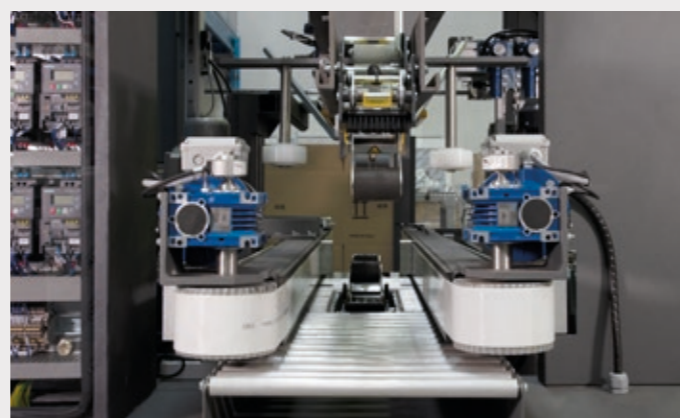
Facilitated box loading thanks to the extremely accessible storage. Reduced dimensions and optimum operability.



Electric box on view for immediate diagnosis.

Technical features

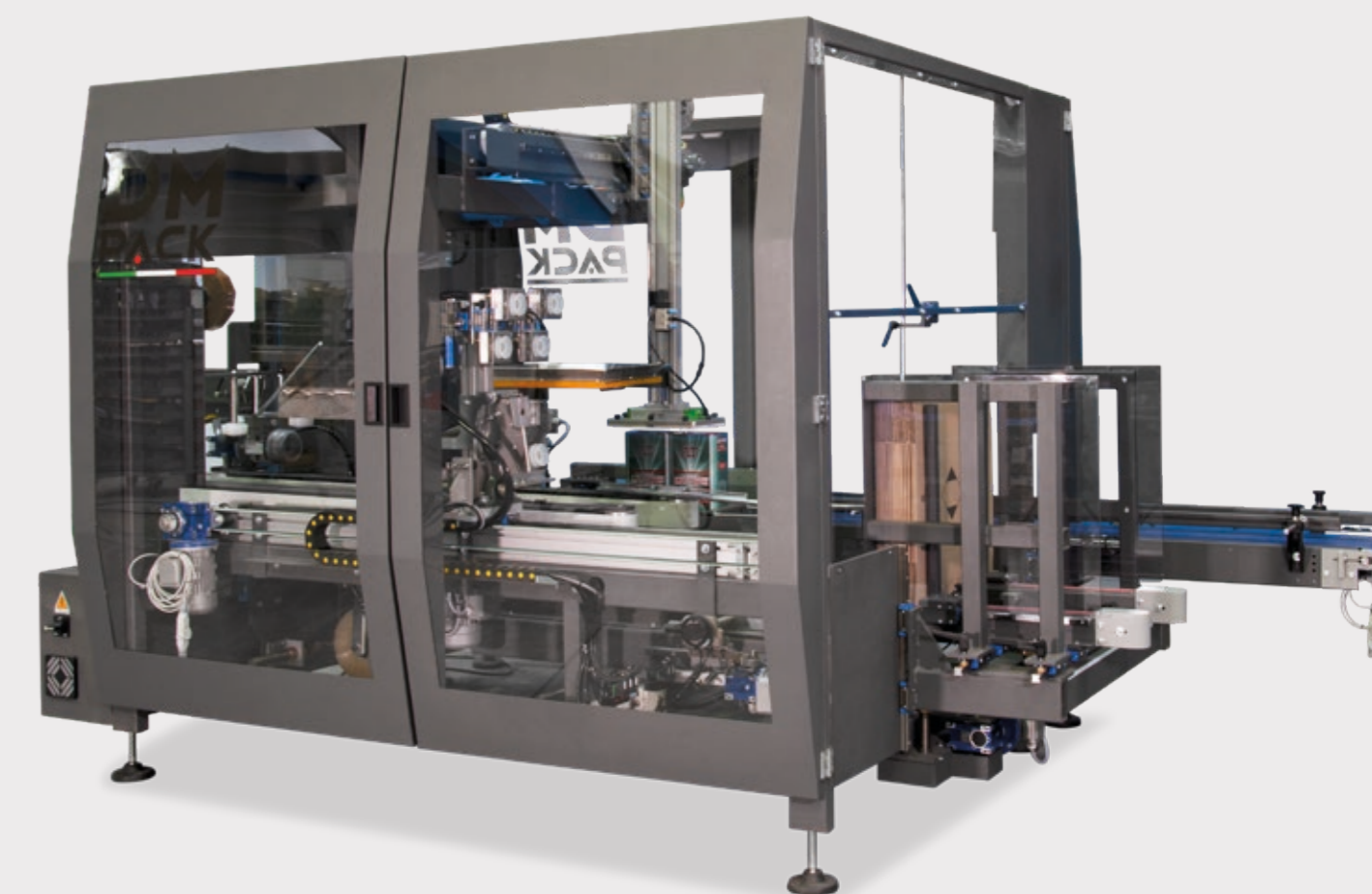
Mod.	DOM
Minimum carton size LxWxH:	150x150 x H 150mm
Maximum carton size LxWxH:	600x400x400mm
Weight:	900kg
Speed:	10 cartons/min
Standard color:	RAL 9007



Output station with guide belts adjusted from the panel to the measurement of the box.



SIEMENS or OMRON touch screen, intuitive and easy to use for the operator.



DOM

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Vertical cartoning machines with top filling



DOM

Automatic cartoning machine with top filling that works with pre-glued RSC or HSC American boxes.

Automatic opening, filing and closure of the box. Automatic, automated adjustments, very simple format changes. The vertical cartoning machine, thanks to a precise pick & place system, opens and fills the various shaped boxes, closing them on top and bottom with adhesive tape.

As an optional, robotic pick & place systems can be integrated and tab closure with hot glue. From the vast storage placed in a facilitated and accessible position for the operator, the box is picked, opened and lastly placed on the motorised belts that bring it to the filling zone. The machine is a line machine and is therefore very compact in overall size.

Filling takes place automatically thanks to a pick & place system that picks the products and places them inside the box. Picking varies according to the type of product: in some cases, and if necessary, multiple products can be picked simultaneously. The multipack will be previously, automatically created by our grouping systems.

The DOM cartoning machine with vertical pick & place filling simplifies and innovates the packaging. Transforms the problem into a solution and improves productivity.

High quality components, ISO certificated



Siemens or Omron touch screen with set up for the various products and various box formats.

Adhesive tape applicator built-into the structure of the machine; alternatively, the top and bottom flap closure system is available with hot glue, in the hot melt system.

Pick & place has a single belt and two brushless motors for faster and more precise movements and better axes interpolation.

Vast box storage which is easily adjustable and in an accessible position for the operator

Compact, robust and accessible. Most of the adjustments are motorised, electrical and savable.

Totally automatic thanks to the recipe adjustments: box opening-pick & place-movements.

