

Main features

- Fully automatic case packing management reduces operator intervention and improves production continuity.
- The vertical loading system with pick & place ensures precise product insertion, maintaining order and packaging quality even with multiple configurations; this phase can also be performed through multiple pick & place units or a robotic system (delta robot or robotic arm) to ensure greater operational flexibility.
- Depending on the production speed, the machine can be supplied in a compact version with case erecting and filling integrated into the same chassis or, for higher speeds, with 3 separate stations including a ready-case buffer, case erector, pick & place system, and case closing unit.
- Partially motorized adjustments and handwheel adjustments with metric scales allow fast and repeatable format changes, reducing machine downtime and increasing line productivity.
- Dedicated kits designed according to the product to ensure precision with each format (custom-sized gripping heads).
- The machine is designed to handle different case formats and product types, offering high flexibility for industrial applications.
- The compact and modular structure facilitates in-line integration and optimizes space within the production area.
- ISO-certified components and robust construction solutions ensure long-term reliability and reduced maintenance requirements.
- The intuitive operator interface allows easy machine management, making it user-friendly even for non-specialized personnel.
- The automatic case opening and forming system with suction cups prepares the carton accurately, maintaining the correct structure during filling.
- The closing system with adhesive tape, with optional hot-melt glue integration, allows the packaging process to adapt to different resistance and logistics requirements.
- The machine can be equipped with an integrated or separate layer pad and top cover magazine.
- Easy access to the main machine parts simplifies maintenance and cleaning operations, reducing intervention times.
- High packaging efficiency optimizes production cycles and improves the overall performance of the production line.

Technical features

Model	DOM
Minimum case dimensions LxWxH:	150x150 x H 150mm
Maximum case dimensions LxWxH:	600x400x400mm
	Up to 8 boxes per minute Up to 13 boxes per minute Up to 16 boxes per minute
Speed options:	- Single pick & place "dry cycle" speed: 15 picks per minute - Single pick & place with gripper: approx. 10-12 picks per minute - With robotic pick & place: speed to be verified - Drop box version: up to 12 boxes per minute Speed varies depending on machine version, pack format and material.
Versions:	- Single or double pick & place depending on incoming product speed - Robotic pick & place - Fully automatic version with automatic product infeed "Drop box" gravity-fed version - Semi-automatic version: automatic case erector with manual loading by operator
Power supply:	400 V 3PH +N+T
Power:	8- 15 KW depending on the version
Compressed air:	6 bar costant
Standard colours:	RAL 9007 + 5018
Working height:	900+/-50 mm
Weight:	900kg

Other cardboard sizes available upon request.

Case magazine and opening station



Pick & place and robotic system



Tape sealing station



DM Pack S.r.l.

Via dell'Artigianato, 34 - 36030 San Vito di Leguzzano (VI) Italy
Tel. + 39 0445 580093 | Tel. + 39 0445 602907 | info@dmpack.it | www.dmpack.it



EN



DOM
Vertical cartoning machines



DOM

The vertical case packer DOM machine with top loading, with automatic or semi-automatic top loading, is designed to automate the packaging process of single products or multipacks into pre-glued RSC or HSC American cases. The machine manages all stages of the process, from case opening to filling and closing, ensuring continuous operation and high precision.

It is particularly suitable for companies aiming to optimize end-of-line operations, reduce format changeover times, and improve production efficiency. Thanks to its compact structure and easy in-line integration, it can be installed both on existing production lines or as a standalone unit, offering a reliable, flexible, and user-friendly solution.

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

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.

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

Fully automatic thanks to recipe-based changeovers, which control carton opening, the pick-and-place system, and the machine's movements.

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.

