

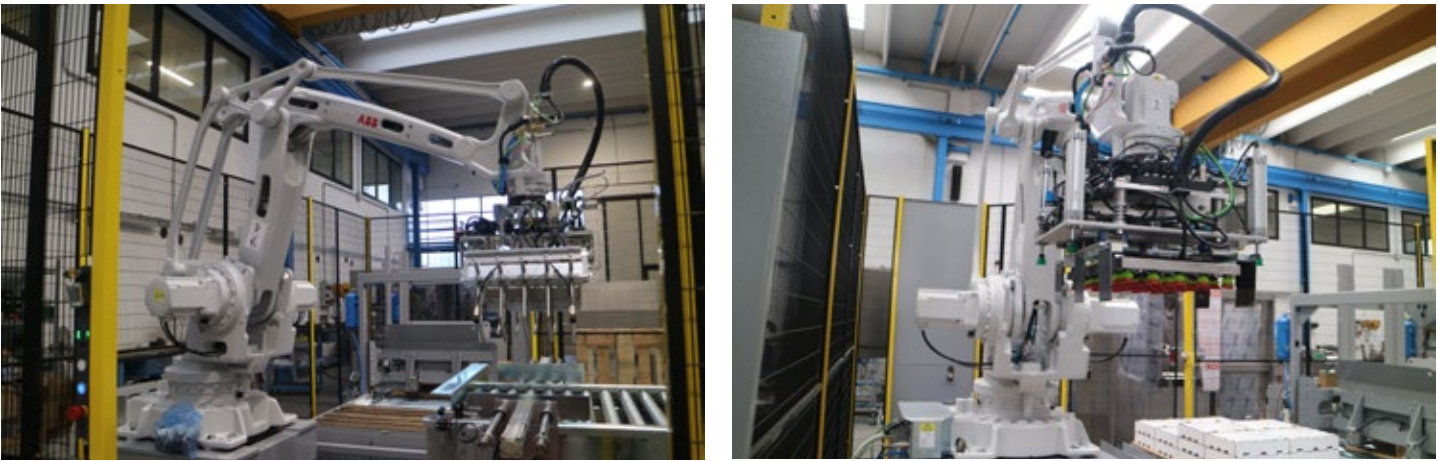
Main features

- It enables full inline integration with existing or new plants, thanks to the modular palletizing cell structure.
- It ensures automatic end-of-line handling, improving packaging efficiency and reducing manual operations.
- It offers high flexibility, adapting to different product types, formats, and palletizing patterns without complex modifications.
- It uses ISO-certified components and high-quality industrial robots, ensuring long-term reliability and operational continuity.
- It is a reliable and user-friendly machine, with control via Omron PLC and intuitive cycle management.
- It allows precise and safe product handling thanks to customizable gripping heads with suction cups, clamps, or vacuum systems.
- It supports different operating configurations, with floor-level pallets or motorized roller conveyors, adapting to customer requirements.
- It allows the cell to be configured with accessories such as pallet magazines, interlayer systems, wrapping systems, and automatic conveyors, improving end-of-line organization.
- It ensures good packaging efficiency thanks to smooth and repeatable movements that guarantee pallet stability and quality.
- It reduces downtime and optimizes production flow thanks to automatic handling of accumulation, transfer, and load preparation processes.

Technical features

Model	TRON ROBOT
Pallet dimensions:	Up to 1000 x 1200 EUROPALLET
Number of axes:	4-6
Minimum boxes dimensions LxWxH:	90 x 150 x 100 mm
Maximum boxes dimensions LxWxH:	400 x 600 x 600 mm
Gripper heads:	Suction cups, side grippers or vacuum system
Speed:	Up to 14 cycles per minute Speed: variable depending on palletizer configuration, product dimensions, and packaging type
Integrable components:	• Stretch wrapper • Roller conveyors and transfer systems • Interlayer system • Pallet magazine / pallet feeder • Label applicator • Top and corner cap applicator • Additional bay
Power supply:	400 V 3PH+N+T
Power:	15 KW
Compressed air:	6 bar
Standard colours:	RAL 9007 + 5018
Working height:	900+/-50MM
Weight:	1800 KG

Robotic palletizer details



Automatic pallet loader and motorized roller conveyors



Optional interlayer application system



Optional stretch wrapper

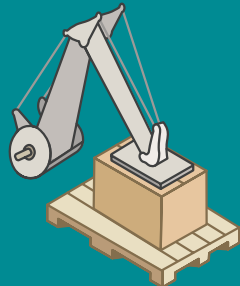


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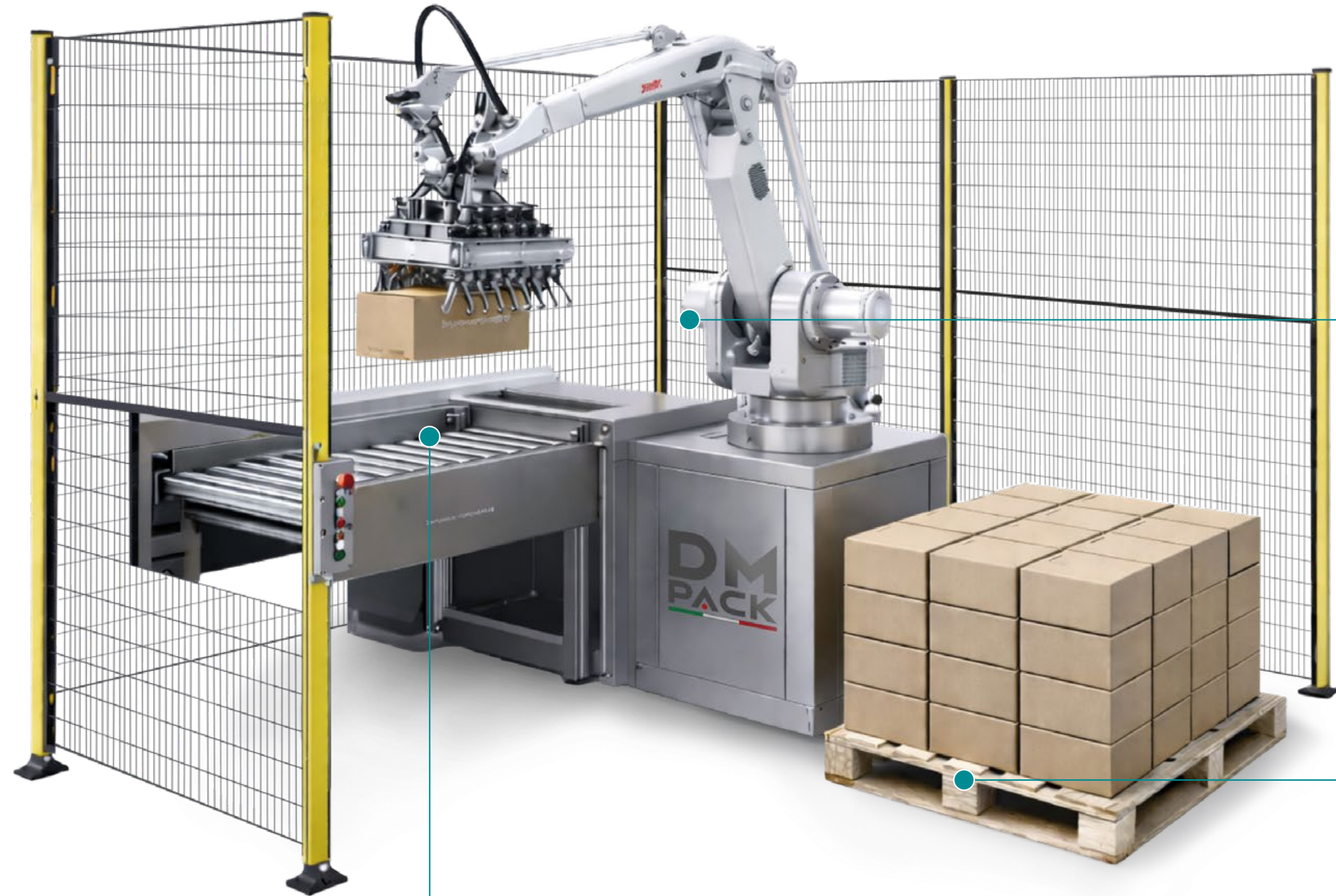
TRON ROBOT
Anthropomorphic robot palletizer



TRON ROBOT

The TRON ROBOT palletizing system by DM Pack is a complete solution for end-of-line automation, designed to ensure efficient, precise, and easily integrable palletizing within production processes. Integrated into a configurable palletizing cell, the system automatically handles product picking and pallet placement, adapting to different load types and layout configurations.

Thanks to the use of reliable industrial robots such as ABB, Comau, or Fanuc, and its modular structure, it is the ideal choice for companies aiming to increase productivity, optimize space, and streamline end-of-line operations. The solution is suitable for various industrial sectors and ensures a continuous, orderly, and easily manageable process for the operator.



Robot ABB/COMAU/FANUC available on customer's request, with dedicated pick & place head based on product type.

Automatic pallet dispenser, designed to store up to 15 pallets.

Motorized roller conveyors for empty and full pallets accumulation and transport.

