

Main features

- It enables automatic palletizing management, increasing productivity and reducing cycle times even in high-speed production environments.
- It ensures high positioning accuracy thanks to the ABB IRB 460 robot, improving pallet stability and reducing the risk of product damage.
- It offers maximum operational flexibility, adapting to different formats, palletizing patterns, and product types.
- It integrates a station for automatic interlayer sheet insertion, improving load quality and transport safety.
- Its compact layout allows installation even in limited spaces and facilitates inline integration with existing systems.
- It uses ISO-certified components and reliable ABB technologies, ensuring operational continuity and reduced maintenance costs.
- It is a reliable and user-friendly machine, with intuitive program management via RobotStudio and operator interface.
- It enables quick format changes thanks to recipe storage, reducing downtime and increasing production efficiency.
- It ensures smooth and controlled movements thanks to QuickMove™ and TrueMove™ systems, ideal even for handling delicate products.
- It optimizes overall end-of-line efficiency, preventing bottlenecks and improving production flow, with the possibility of integrating gripping systems such as ABB FlexGripper.

Technical features

Model	TRON AXIS
Pallet dimensions:	Up to 1000 x 1200 EUROPALLET
Minimum boxes dimensions LxWxH:	150 x 150 x 150 mm
Maximum boxes dimensions LxWxH:	400 x 600 x 600 mm
Load capacity:	Up to 120 kg
Speed :	Up to 14 cycles per minute Speed: variable depending on palletizer configuration, product dimensions, and packaging type
Alimentazione elettrica:	400 V 3PH+N+T
Power:	15 KW
Air:	6 bar
Standard colours:	RAL 9007 + 5018
Working height:	At floor level – infeed height 900 +/- 50 MM
Weight:	1800 kg

Robotic palletizer details



Interlayer sheet magazine and interlayer application system

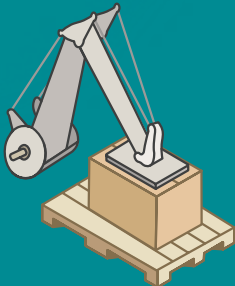


DM Pack S.r.l.

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



TRON AXIS
Compact entry-level robotic palletizer



TRON AXIS

The TRON AXIS compact robotic palletizer by DM Pack is an entry-level automatic end-of-line solution designed to optimize the palletizing process efficiently and continuously, even in limited spaces.

Thanks to the integration of a high-performance ABB IRB 460 robot, the system picks products directly from the production line and places them onto pallets according to configurable patterns, ensuring consistent precision and speed.

It is particularly suitable for companies aiming to automate their end-of-line operations, improving productivity and reducing manual handling while maintaining high load quality and stability. Its compact design and easy line integration make it ideal both for new installations and for upgrading existing production systems.



Precise and controlled product handling for stable and high-quality pallet loads.

The compact layout allows installation even in limited spaces and facilitates seamless integration into existing production lines.

The interlayer application system automatically places slip sheets between pallet layers, improving load stability and ensuring safe product handling.

Ensures high positioning accuracy thanks to the ABB IRB 460 robot.

