



Palletising robot

Today's market offers a wide range of compact robot models designed to operate in any environment and handle any type of workload. At Tech-M, we select the most suitable option for each application and customize any robot on the market with in-house designed and manufactured end-effectors. The right combination of experience and the appropriate robot is the key to success in this type of application.

APPLICATIONS

ROBOTIC SOLUTIONS

The palletizing robot is the ideal solution to automate the process of palletizing boxes and products efficiently and accurately. Designed for high-demand industrial environments, this robot delivers exceptional performance in handling and placing products with versatile load capacity. Equipped with an advanced vision system and articulated robotic arms, it can identify, organize, and stack products of different sizes and formats, optimizing pallet space efficiently and orderly.

Built with high-strength materials, the palletizing robot is designed for continuous operation in demanding conditions. Its modular system facilitates integration into existing production lines and allows quick adaptations to various palletizing configurations. With minimal maintenance requirements and a robust design, this robot significantly reduces downtime, increasing productivity in the palletizing process. Certified under CE standards, this robot is a reliable tool to improve efficiency and optimize palletizing processes across industries.

KEY FEATURES

High load capacity: Supports a wide range of products with varying sizes and weights, adapting to the specific needs of each production line.

Advanced vision system: Enables precise product identification and accurate placement on pallets, ensuring space optimization.

Articulated robotic arms: Designed to perform flexible and precise movements, maximizing efficiency in palletizing products of various shapes.

Flexible pallet design: Capable of stacking products in different configurations, improving pallet density and stability.

Easy integration into production lines: Its modular design allows quick and simple implementation in existing industrial environments.

Low maintenance: Featuring high-quality components and a durable design, this robot is engineered to operate with minimal downtime.

CE Certification: Complies with international safety and quality standards, ensuring reliable and safe operation.

Speed and efficiency: Performs palletizing processes quickly and continuously, increasing production capacity without compromising quality.

This palletizing robot is the perfect solution to automate the palletizing process, improve warehouse organization, and optimize workflow, all while reducing the risk of human error and increasing productivity.

METHODOLOGY

Identification of automation needs.

Integration regardless of brand or based on customer preferences.

Selection of the most suitable robot model.

Design and manufacturing of the end-of-arm tooling according to the application.

Assembly and programming.

Integration with the rest of the installation.

User training and support.

ACCESSORIES

Roller conveyors, chain conveyors, hinge conveyors.

Stretch wrappers.

Case erectors.

Transfers.

Turntables.

Elevators.

Pallet dispensers/stackers.

Guards and safety systems.

Communication and integration with production control systems.