

4-Axis Robot Palletizer

The robot palletizer is an intelligent industrial system that arranges packages or boxes onto trays or into boxes according to preset modes. As a follow-up device in the packing line, it enhances both production and transshipment capabilities.



Overview

Industrial 4-Axis Robot Palletizer

This professional 4-axis robot palletizer is an intelligent industrial solution designed to automate the stacking of packages and boxes onto trays. As a follow-up device for packing lines, it significantly improves production and transshipment capacity across industries like chemicals, building materials, food, and logistics. The system features flexible application capabilities, allowing it to handle different products from multiple production lines simultaneously.

Technical Specifications

Mechanical Arm Axes	4
Maximum Loading Capacity	300 kg
Stacking Capacity	400-1200 bags/hour
Palletizing Diameter	6 m
Power Supply	380VAC/220VAC, 50HZ, 5KW
Working Pressure	0.5-0.8 Mpa
Compatible Clamp Types	Grab type clamp, Suction clamp, Splint type gripper

Control System

Bus Communication Support

EtherCAT • CanOpen • ProiBus • ModBus • TCP/IP

Teaching Device Features

- 7-inch vertical screen
- Bilingual interface (Chinese/English)
- Two-way safety switches
- USB import/export support
- Ergonomic design

Key Advantages

Performance Highlights

20 %

Power Consumption Ratio

16 axis

Max Axis Synchronous Control