

Automatic Pallet Stacking Robot for Boxes

This automatic palletizer efficiently arranges and stacks boxes on pallets. The robotic system optimizes space and reduces manual labor.



ADDITIONAL IMAGES



System Overview

Automated End-of-Line Palletizing

This automatic palletizing system is designed for high-efficiency end-of-line packaging, suitable for bags, cartons, bottles, and cans. The integrated solution includes group organizing, carton pushing, pallet storing, and conveyor systems for both empty and ready pallets. Controlled by a robust PLC and touch screen interface, it ensures consistent and reliable stacking performance for demanding industrial environments.

Performance Metrics

Throughput Capacity

15 units/min

Min Capacity

30 units/min

Max Capacity

Noise Level

75 dB

Technical Specifications

Power Supply	380V AC, 50Hz
Power Consumption	10 KW
Pneumatic Pressure	0.5 - 0.6 MPa
Air Consumption	45 NM3/Hour

Pallet Configuration

Standard Pallet Size	1400 x 1200 x 160 mm
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System Components

Included Modules

- Group organizing & pushing machine
- Palletizing robot
- Pallet storing machine
- Empty pallet conveyor
- Ready pallet conveyor

Control Infrastructure

PLC, Touch Screen, Pneumatic System