

Robotic Pallet Stacking System

This automated system utilizes robotic arms and conveyor systems to efficiently stack and palletize products. It is configurable to handle various product sizes and pallet patterns.



ADDITIONAL IMAGES



System Overview

Automated End-of-Line Palletizing Solution

This automatic palletizing system is engineered for high-efficiency end-of-line packaging, integrating group organizing, bag/carton pushing, and robotic pallet stacking into a single workflow. The system features a robust control architecture including PLC and touch screen interfaces, ensuring precise and repeatable operations. Designed for scalability, it supports various palletizing modes to accommodate specific customer requirements and production line configurations.

System Components

Group Organizing Unit, Bag/Carton Pusher, Palletizing Robot, Pallet Storing Unit, Empty Pallet Conveyor, Ready Pallet Conveyor

Technical Specifications

Performance Metrics

30 cartons/min
Max Capacity

75 dB
Noise Level

Power Requirements

380 V AC
Voltage

50 Hz
Frequency

10 KW
Power Consumption

Pneumatic Specifications

0.6 MPa
Max Pressure

45 NM3/Hour
Air Consumption

Operational Details

Control System

- PLC Controller
- Touch Screen Interface
- Pneumatic System

Standard Pallet Size

1400mm x 1200mm x 160mm