

# 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