

# Automated Pallet Stacking Robot

This automated pallet stacking robot is designed for integration into packaging lines. It utilizes a multi-axis arm and robust gripper for precise and efficient handling of cartons and bags.



## ADDITIONAL IMAGES



## System Overview

### Automated Palletizing Solution

This automated palletizing system is designed to streamline end-of-line packaging operations by integrating group organizing, bag/carton pushing, and pallet storage. The system features a robust conveyor setup and an advanced control system utilizing a PLC and touch screen interface. It is engineered to provide precise, customizable palletizing patterns for cartons, bags, bottles, and cans.

## Technical Specifications

### Performance Metrics

**30 cartons/min**  
Max Capacity

**10 KW**  
Power Rating

**75 dB**  
Noise Level

### Utility Requirements

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

## System Configuration

### System Components

- Group organizing unit
- Bag/carton pushing machine
- Palletizing machine
- Pallet storing machine
- Empty pallet conveyor
- Ready pallet conveyor

### Control Features

PLC Control, Touch Screen Interface, Pneumatic System

### Standard Pallet Size

1400mm x 1200mm x 160mm