

# Automated Pallet Stacking Robot System

This automated system is designed for stacking fertilizer-modified plastic pallets. It integrates a robotic arm, safety fencing, and a conveyor system for seamless operation.



## Overview

### Automated Palletizing Solution

This automated pallet stacking system is engineered for high-efficiency end-of-line operations, capable of handling bags, cartons, bottles, and cans. The integrated solution includes group organizing, bag/carton pushing, pallet storing, and comprehensive conveyor systems for both empty and ready pallets. Designed for reliability and precision, the system utilizes an advanced PLC control system with a touch screen interface for seamless operation.

## Performance

### Capacity

**30 cartons/min**

Max Capacity

**15 cartons/min**

Min Capacity

### Operating Noise

75 db

## Technical Specifications

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

## Dimensions & Logistics

Standard Pallet Size	1400mm x 1200mm x 160mm
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## System Components

### Included Modules

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

### Control System Components

PLC, Touch Screen, Pneumatic System