

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 |
|----------------------|-------------------------|

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