

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