

Automated Robotic Palletizer for Cans and Boxes

This automated robotic palletizer system efficiently packs tin cans and boxes. It integrates a robotic arm, conveyor line, and programmable logic controller (PLC) for precise control.



ADDITIONAL IMAGES



Product Overview

High-Efficiency End-of-Line Palletizing

This automated robotic palletizing system is designed for high-speed packing of tin cans and boxes, offering a reliable solution for food, beverage, and industrial applications. It integrates a specialized robotic arm with a custom end-effector to ensure precise handling and placement of products onto pallets. By combining a programmable logic controller (PLC) with a continuous conveyor line, the system maximizes throughput and significantly reduces manual labor costs.

Performance Metrics

Key Performance Metrics

30 cartons/min

Max Capacity

10 KW

Power Consumption

75 dB

Noise Level

Technical Specifications

| | |
|----------------------|---------------------------------|
| Processing Capacity | 15-30 cartons (bags) per minute |
| Standard Pallet Size | 1400mm x 1200mm x 160mm |
| Power Supply | 380V AC 50Hz |
| Pneumatic Pressure | 0.5MPa - 0.6MPa |
| Air Consumption | 45 NM3/Hour |

System Components

System Hardware

- Group organizing & bag/carton pushing machine
- Palletizing robot/machine
- Pallet storing machine
- Empty pallet conveyor
- Ready pallet conveyor

Control Infrastructure

PLC Control, Touch Screen Interface, Pneumatic System

Application & Customization

Compatible Product Types

Tin Cans • Boxes • Cartons • Bags • Bottles

Palletizing Mode

Customizable based on customer requirements