

# 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