

Automated Robotic Pallet Stacking System

This fully-automatic system is designed for low-level carton stacking and box palletizing. It features a robotic arm for precise placement of cartons onto pallets and integrated conveyor systems for efficient material handling.



ADDITIONAL IMAGES



Overview

Automated Low-Level Palletizing Solution

This fully-automatic low-level carton palletizer is designed to streamline end-of-line packaging by stacking sealed cartons onto pallets with precision. Utilizing a coordinate-based robotic system and PLC control, it offers customizable stacking patterns to accommodate various carton sizes and weights. The system integrates pallet storage, automatic feeding, and loaded pallet delivery to ensure a continuous and efficient workflow.

Performance Metrics

Max Palletizing Capacity

7 cycles/min

Cycles per Minute

Capacity Notes

1-4 cartons per cycle, depending on carton size and weight

Technical Specifications

System Type

Low-level • Coordinate-based

Power Supply

3 phases, customized voltage, 6KW

Air Consumption

500 NL/MIN

Air Source Pressure

5-6 kgf/cm²

Total Weight

2000 kg

System Composition

Key Components

- Carton sorting feeder
- Carton palletizer robotic arm
- Pallet storage and feeder
- Loaded pallet delivery system

Pallet Storage Capacity

5-10 empty pallets