

Robotic Stacking System for Food Products

This automated system is designed for stacking food products such as rice, sugar, soybean, and salt. It utilizes a robotic arm with a vacuum gripper to lift and place bags onto pallets or conveyors.



ADDITIONAL IMAGES



Product Overview

Automated Robotic Stacking Solution

This advanced robotic palletizing system is designed for the efficient handling and stacking of food products including rice, sugar, soybeans, and salt. The integrated solution features group organizing, bag and carton pushing, pallet storage, and automated conveyor transport to ensure high-throughput operations. Equipped with a modern PLC control system and intuitive touch screen interface, it provides precise and reliable performance in end-of-line packaging environments.

Performance Metrics

Throughput and Capacity

30 cartons/min
Max Capacity

15 cartons/min
Min Capacity

75 dB
Noise Level

Technical Specifications

Electrical Power	380V AC 50Hz, 10KW
Pneumatic Requirements	0.5MPa - 0.6MPa at 45NM3/Hour
Standard Pallet Size	1400mm x 1200mm x 160mm

System Components

Core Modules

- Group organizing & pushing machine
- Palletizing robotic arm
- Pallet storage and dispensing
- Empty pallet conveyor
- Ready pallet conveyor
- PLC and touch screen control system

Operational Details

Palletizing Options

Customer-Defined Patterns, Bag Handling, Carton Handling, Automated Palletizing