Automated Pallet Storage and Retrieval System

This automated warehouse system stores and retrieves materials without human intervention. Materials in standard bins or pallets are accessed by a roadway stacking crane, with computer control for automated access and management.

ADDITIONAL IMAGES

Overview

Advanced Automated Warehousing

This automated pallet storage and retrieval system (AS/RS) is designed to manage materials without direct human intervention, utilizing multi-layer shelves and standard bins or pallets. By employing high-precision stacker cranes and computer-controlled management, the system optimizes vertical space and significantly improves operational efficiency. It is a highly customizable solution suitable for diverse industrial applications including food and beverage, manufacturing, and large-scale distribution.

System Capabilities

Integrated Solutions	Convey & Deliver System, Palletizer Robot, AGV Integration, Stereoscopic Warehouse, Vertical Elevator, End of Line Solution

Rack Specifications

Loading Capacity

500 kg	6000 kg
Min Load per Layer	Max Load per Layer

Standard Colors

Blue • Orange • Grey • Customized

Construction Material	Steel Q235B
Surface Treatment	Corrosion Protection

Stacker Crane Performance

Crane Duty Classifications

Type	Load Capacity	Max Rack Height
Light Duty	20-200kg	<=25m
Medium Duty	250-1500kg	<=25m
Heavy Duty	2.0t / 2.5t / 3.0t	<=25m

Customization & Support

Customizable Components

- Upright dimensions
- Beam length and strength
- Stacker crane height
- Cargo size compatibility

Installation Support	Yes