

Automated Storage and Retrieval System

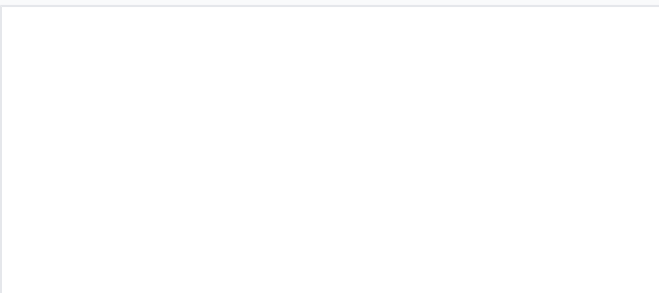
This automated storage and retrieval system optimizes warehouse operations. It integrates seamlessly with warehouse management software for real-time inventory control and order fulfillment.



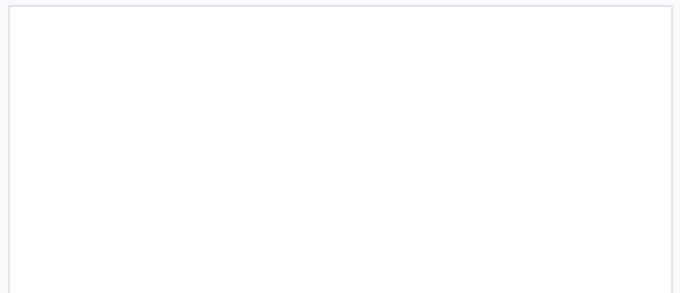
ADDITIONAL IMAGES



System Overview



Cross-sectional view illustrating the integration of packaging areas with automated storage and retrieval zones.



Overview of the automated warehousing system, highlighting the synergy between storage, retrieval, and distribution technologies.

Intelligent Warehouse Solution

This intelligent stereoscopic warehouse system automates unit goods access under computer control, optimizing high-rise storage through the seamless cooperation of automated storage devices and management software. Designed specifically for the liquid beverage packaging industry, it enhances operational efficiency by integrating storage with production lines. The system ensures robust data traceability and complete lifecycle management for inventory, production, and logistics.

System Composition



Warehouse layout plan optimizing space utilization for loading, unloading, and storage operations.

Core System Components

- High-rise shelf, tray, and container storage
- Palletizer for check-in and check-out
- Distribution system (roller/chain conveyor, distributing vehicle, lifter)
- WCS control system (hardware/electrical device control)
- WMS warehouse management system

System Integration

Yes

Key Features

Operational Capabilities

Food Safety Traceability, Packaging Line Integration, Seamless Enterprise Management Integration, Real-time Data Tracking, Full Lifecycle Management