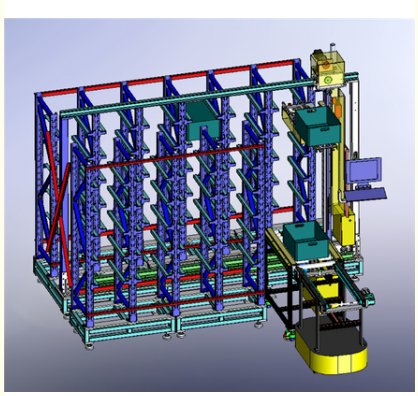
Automatic Three-dimensional Warehouse Stacker

Our Product Introduction

Basic Information

- Place of Origin: Shanghai
- Brand Name: QuanStar
- Certification: International Organization for Standardization
- Packaging Details: wooden box
- Payment Terms: letter of credit, T/T



Product Specification

- Color: Customized
- Plae Of Origin: Shanghai
- Application: Manufacturing
- Highlight: **Three-dimensional warehouse stacker**, **Automatic warehouse stacker**, **Automatic stacker**

Product Description

Functions:

The stacking crane in an automated high-rise warehouse has multiple functions and is a key piece of equipment for achieving automated warehouse management. The specific functions are as follows:

Automatic Storage: The stacking crane can automatically store goods in designated locations, reducing manual operation and improving storage efficiency.

Automatic Retrieval: Based on order requirements, the stacking crane can automatically retrieve goods from designated locations, reducing the time and errors associated with manual retrieval.

Movement and Handling: The stacking crane can move within the warehouse, transferring goods from one location to another, thus achieving the handling and transfer of goods.

Inventory Management: The stacking crane can be used in conjunction with a warehouse management system to update inventory data in real-time, providing an accurate picture of inventory levels and avoiding overstocking and stockouts.

Communication and Scheduling: The stacking crane can exchange data with the warehouse management system through a communication system, receive scheduling instructions, and achieve efficient warehouse management.

Safety Protection: The stacking crane is equipped with various safety protection devices, such as overload protection, out-of-position protection, and broken rope protection, ensuring safe and reliable operation.

Fault Diagnosis and Alarm: The stacking crane has fault diagnosis and alarm functions. When a fault occurs, it can promptly sound an alarm and indicate the fault location, facilitating repair and maintenance.

Scalability: The stacking crane can be connected to various devices, such as conveyors, lifts, and handling vehicles, to achieve the expansion and upgrade of automated warehouse management.

Advantages:

As the core equipment of an automated high-rise warehouse, the stacking crane system significantly improves the efficiency, accuracy, and safety of warehouse management, enhances the working environment for personnel, and is an important development direction for modern logistics and warehousing. Specifically, the stacking crane system has the following advantages:

High Space Utilization: By combining high-rise racks with stacking cranes, the storage density of the warehouse can be significantly increased. Compared to traditional flat warehouses, storage capacity can be increased by several or even tens of times.

High Storage and Retrieval Efficiency: Automated storage and retrieval methods can significantly improve the efficiency of warehouse operations. Compared to traditional flat warehouses, storage and retrieval speeds are faster, saving considerable manpower and time costs.

Intelligent Management: With an intelligent management system, real-time monitoring and management of goods information can be achieved, providing comprehensive management of goods inventory, location, and outbound operations, greatly improving warehouse management efficiency and accuracy.

High Safety: Typically adopting a closed design, with rack heights reaching tens of meters and safety intervals between racks, it effectively prevents personnel and goods from becoming trapped. At the same time, it is equipped with various safety facilities, such as automatic alarms and fire extinguishing systems, ensuring the safety and reliability of the warehouse.

Energy-saving and Environmentally Friendly: Through optimized design and intelligent control, energy consumption and carbon emissions can be reduced, achieving energy-saving and environmental protection.

Application Scenarios:

The application scenarios of the stacking crane system are very wide, mainly including the following aspects:

Logistics and Warehousing Sector: The stacking crane system can be applied to various logistics centers, warehouses, and distribution centers to achieve automated storage, retrieval, sorting, and other operations of goods, improving the cargo handling capacity and storage density of warehouses and enhancing overall logistics efficiency.

E-commerce, Express Delivery, and Other Industries: The stacking crane system can be applied to various e-commerce warehouses, self-pickup points, logistics distribution centers, and other places for the storage, sorting, and scheduling of express parcels, fresh food, home appliances, and other items. Through the application of stacking cranes, order processing speed and accuracy can be improved, logistics lead times can be shortened, and customer experience can be enhanced.

Cold Storage Industry: The stacking crane system can be applied to machinery manufacturing, automobile manufacturing, railways, shipping, tobacco, military, chemicals, and other industries, as well as food and new energy cold chains, playing a significant role in improving operational efficiency, accuracy, safety, and working environment for personnel.

Pharmaceutical Industry: The pharmaceutical industry has high requirements for the storage and management of medicines. The application of the stacking crane system can achieve automated storage, management, and scheduling of medicines, improving the efficiency and accuracy of medicine management and ensuring the quality and safety of medicines.

Common Questions

Q: Are you a trading company or a manufacturer?

A: We are a manufacturer with over 10 years of experience in production and development.

Q: What are your main products?

A: We are a provider of assembly automation solutions, specializing in customized automation production machinery. For example, we provide customized assembly lines, testing, and packaging solutions for multiple electric vehicle (EV) manufacturers, such as component-level production lines for battery packs, thermal management systems, steering systems, etc.

Q: What is your delivery time?

A: Typically, 3 months is a production cycle, but the specific delivery date should be arranged based on the complexity of the product and the real-time production schedule. Please contact us for the latest delivery date.

Q: How about your prices?

A: Show us your parts, and we will be happy to find a solution, provide an appropriate plan, and offer you the most competitive price.

Q: What are your payment terms?

A: A 40% deposit is required before delivery, with the remaining 60% balance payable upon delivery.

Q: What is the packaging for your machines?

A: We use standard wooden crate packaging.

Q: What is the warranty period?

A: Our after-sales service includes one year of free warranty and guaranteed lifelong maintenance.

Q: Who do you cooperate with?

A: We can cooperate with customers' designated partners or recommend other component partners based on customers' requirements.

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