



Automated Storage Shuttle System with Four-way Shuttle and Laser SLAM Navigation for $\pm 10\text{mm}$ Precision in Warehouse Management

Our Product Introduction

Basic Information

- Brand Name: TIANYUE
- Certification: 3c.ce
- Minimum Order Quantity: 1 Sets
- Price: Negotiable
- Packaging Details: Wooden Box
- Delivery Time: 30-40 Working Day
- Payment Terms: L/C,T/T
- Supply Ability: 100 Pieces/month

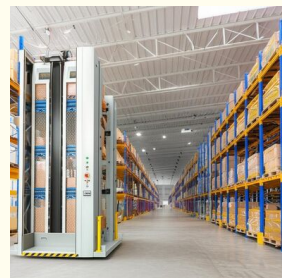
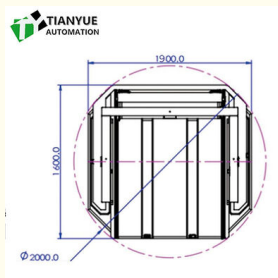
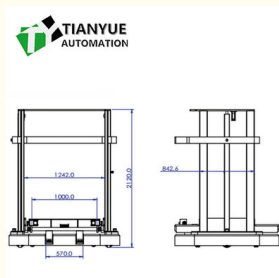


Product Specification

- Load Weight: 80KG-1000KG
- Navigationsystem: Automated Guided Vehicle (AGV) With Laser And SLAM Navigation
- Driving Direction: Four-way Shuttle
- Navigation Position Accuracy: $\pm 10\text{mm}$
- Interactive Function: Voice/Light/Display Screen
- Motor Way: Servo Motor
- Load Mode: Jacking Up The Backpack
- Scalability: Modular Design For Easy Expansion
- Highlight: **Four-way Shuttle Automated Storage Shuttle System**
Laser SLAM Navigation Three-Dimensional Warehousing Shuttle
, $\pm 10\text{mm}$ Navigation Position Accuracy AS/RS



More Images

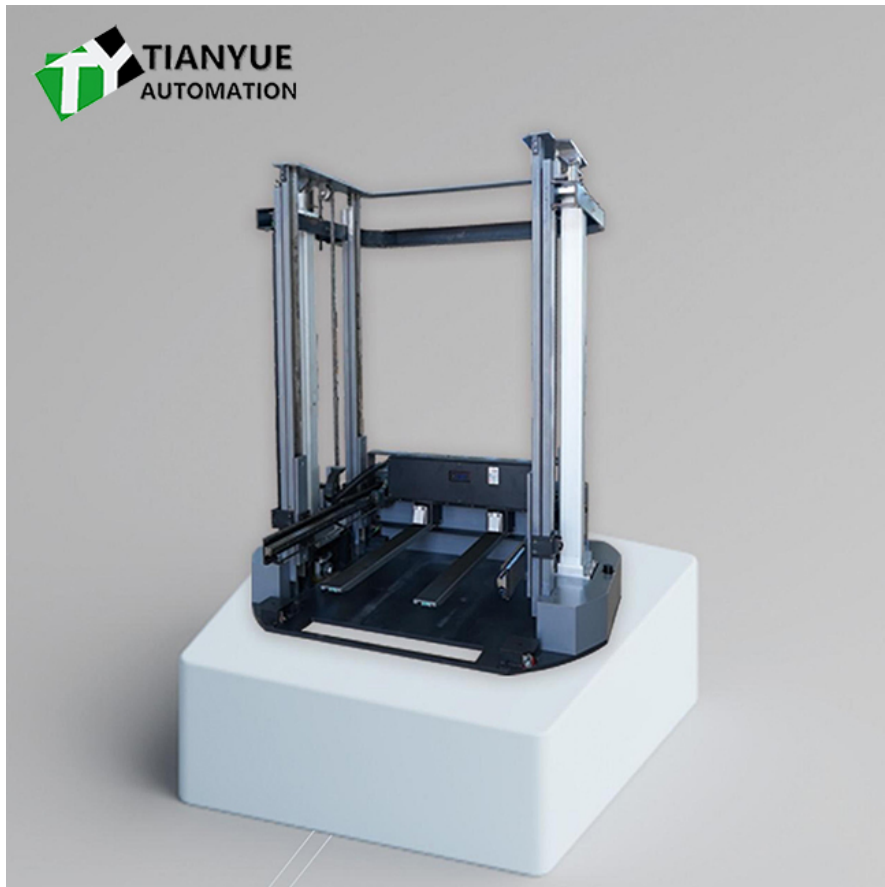


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Product Description

Automated Storage And Retrieval System (ASRS)

The Three-Dimensional Warehousing Shuttle is an advanced Automated Storage and Retrieval System (AS/RS) designed to revolutionize warehouse operations through enhanced efficiency, precision, and automation. This innovative 3D Warehouse Shuttle Solution optimizes storage density and streamlines material handling processes, making it ideal for modern warehouses seeking to maximize space utilization while minimizing labor costs.



Advanced Four-Way Navigation

Featuring four-way shuttle driving direction capability, this system allows seamless movement in multiple directions across the warehouse grid. This flexibility accelerates retrieval and storage processes while significantly reducing shuttle repositioning time, enhancing overall operational throughput.

Versatile Pallet Compatibility

The system is compatible with both cross-shaped and field-shaped pallets, providing versatility to accommodate various pallet configurations. This adaptability ensures smooth integration into existing warehouse layouts without extensive modifications.

Precision Navigation Technology

With impressive navigation position accuracy of $\pm 10\text{mm}$, the shuttle reliably locates and handles pallets with minimal margin of error. This precision minimizes pallet damage and enhances safety and reliability of warehouse operations.

High-Performance Servo Motor

Powered by a high-performance servo motor, the system provides smooth, reliable, and energy-efficient movement. The servo motor enables precise speed control and rapid acceleration/deceleration, essential for maintaining high throughput in automated storage environments.

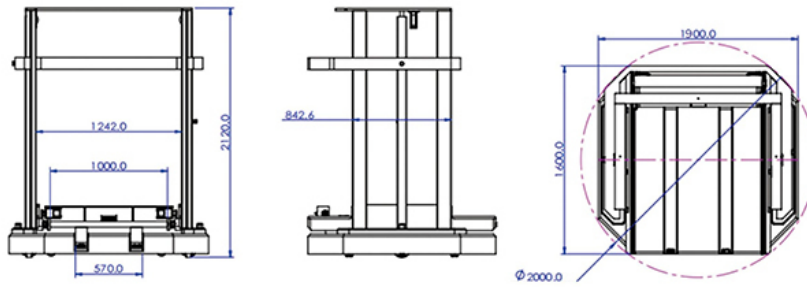


Key Features

- Product Name: Three-Dimensional Warehousing Shuttle
- Load Mode: Jacking Up The Backpack for efficient handling
- Navigation Position Accuracy: $\pm 10\text{mm}$ ensuring precise movement
- Interactive Function: Voice, Light, and Display Screen for seamless communication
- Motor Way: High-performance Servo Motor for reliable operation
- Driving Direction: Four-way Shuttle enabling flexible navigation
- Ideal for Three-Dimensional Shuttle Storage applications
- Part of an advanced 3D Warehouse Shuttle Solution
- Enhances Warehouse Shuttle Automation System efficiency and productivity

Technical Specifications

Product Name	Lifting Stacker AMR
Type	Automated Storage And Retrieval System (AS/RS)
Size	Customization
Interactive Function	Voice / Light / Display Screen
Navigation System	Automated Guided Vehicle (AGV) With Laser And SLAM Navigation
Navigation Position Accuracy	$\pm 10\text{mm}$
Load Mode	Jacking Up The Backpack
Operating Temperature	0°C To 50°C
Pallet Type	Cross-shaped And Field-shaped Pallets
Load Weight	80KG - 1000KG



Application Scenarios

The TIANYUE Three-Dimensional Warehousing Shuttle is designed to revolutionize storage and retrieval processes across various industrial and commercial environments. Certified with 3C and CE standards, this system combines reliability, efficiency, and cutting-edge technology for modern warehousing needs.

Ideal For:

- Automated warehouses and distribution centers
- Cold storage facilities
- E-commerce fulfillment centers
- Automotive parts storage
- Pharmaceutical warehouses
- Manufacturing plants
- High-density storage facilities

The system's modular design allows for easy scalability and expansion, making it suitable for facilities of all sizes. With load capacity ranging from 80KG to 1000KG, it handles diverse goods from lightweight components to heavy industrial materials.





HIGH QUALITY



EASY OPERATION



AFTER-SALES SERVICE



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