

SLAM Navigation AGV Automated Guided Vehicle with 5000KG Load Capacity and Automatic Return To Charge for Industrial Transport

Our Product Introduction

Basic Information

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

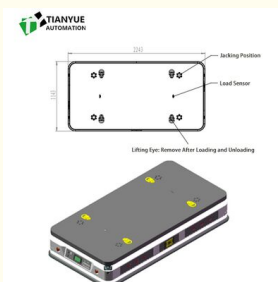


Product Specification

- Maximum Load Capacity: Up To 5000 Kg
- Navigation Method: Laser, QR Code, SLAM Navigation (Optional)
- Comprehensive Endurance: 8h
- Load Weight: 5000KG
- Charging Method: Automatic Return To Charge
- External Dimensions: L2243*W1143*H450(mm)
- Travel Speed: 0-40 Meters Per Minute (adjustable)
- Lifting Method: Automatic Lifting, Lifting Stroke 0-100mm
- Highlight: 5000KG Load Capacity AGV Automated Guided Vehicle, SLAM Navigation Smart AGV Robot, Automatic Return To Charge Magnetic Guided AGV



More Images



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Product Description

SLAM Navigation Automated Guided Vehicle System

The AGV Automated Guided Vehicle is a state-of-the-art Smart AGV Robot designed to revolutionize material handling and logistics within modern industrial environments. Engineered with advanced technology and robust safety features, this Magnetic Guided AGV enhances efficiency, productivity, and safety in factory automation processes.



Advanced Safety Protection System

This Factory Automation AGV features a comprehensive safety protection system with highly sensitive Laser Obstacle Sensor for prompt obstacle detection, robust Mechanical Bumper for physical impact protection, and Emergency Stop Button for immediate manual override in emergencies.

Versatile Travel Functions

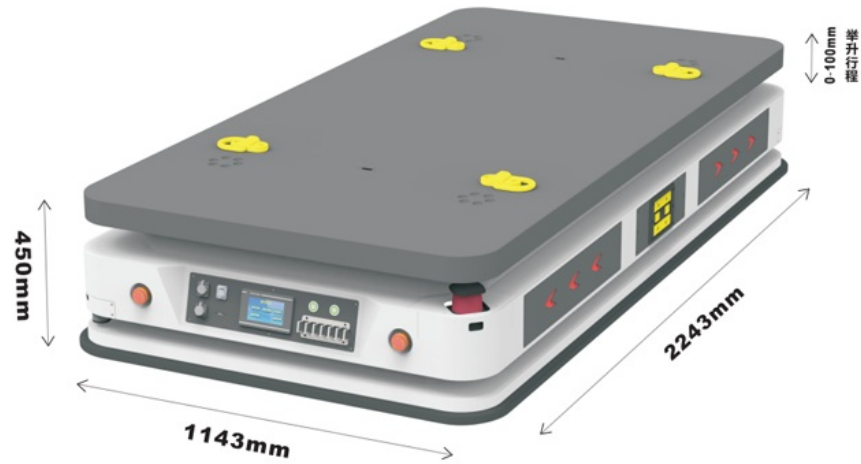
The AGV supports forward and backward movement, left and right turns, branching capabilities for route flexibility, on-the-spot rotation for tight spaces, and lateral movement for optimized loading and unloading processes.

Performance Specifications

Load Capacity: Up to 5000KG

Travel Speed: 0-40 meters per minute (adjustable)

Wireless Communication: Optional interface for factory integration



Key Features

Product Name: AGV Automated Guided Vehicle

Type: Magnetic Guided AGV

Safety Protection: Laser Obstacle Sensor, Mechanical Bumper, Emergency Stop Button

Charging Method: Automatic Return To Charge

Travel Speed: 0-40 Meters Per Minute (adjustable)

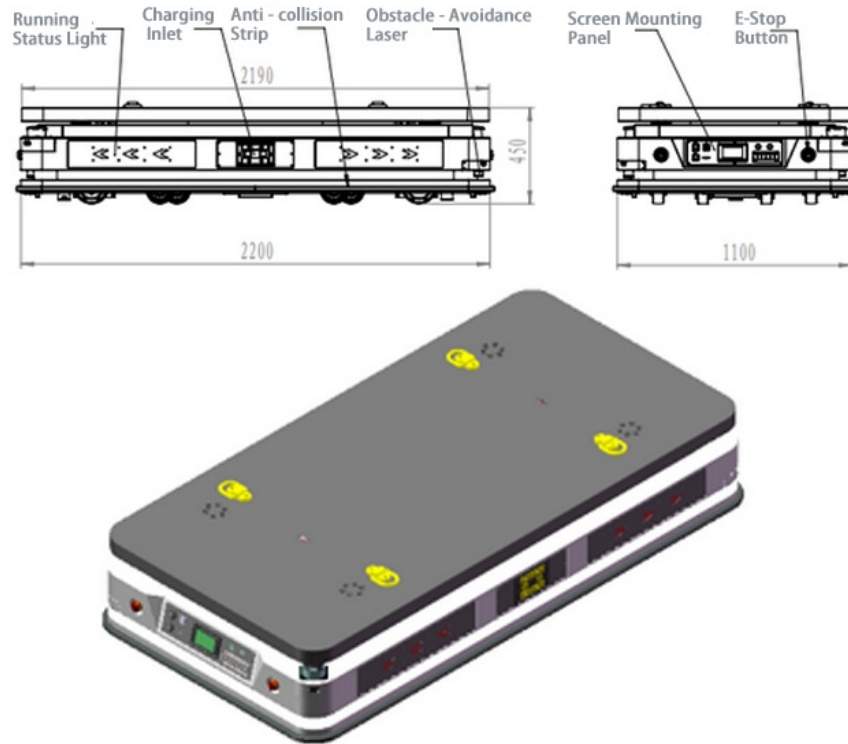
Brake Mode: Electromagnetic Brake

Navigation Accuracy: $\pm 5-10\text{mm}$

Advanced AGV Robot technology for efficient material handling

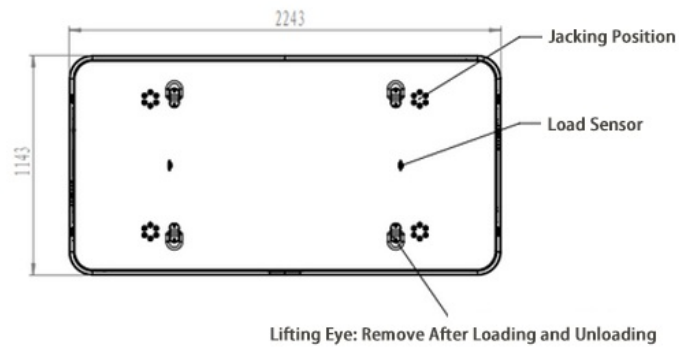
Smart AGV Robot capabilities for optimized navigation and safety

Reliable magnetic guidance system ensuring precise movement



Technical Parameters

Comprehensive Endurance	8h
Brake Mode	Electromagnetic Brake
Drive Power Supply	DC48V
Drive Method	Dual Steering Wheel Drive
Travel Function	Forward And Backward, Left And Right Turns, Branching, On-the-spot Rotation, Lateral Movement
Navigation Method	Laser, QR Code, SLAM Navigation (Optional)
Safety Protection	Laser Obstacle Sensor, Mechanical Bumper, Emergency Stop Button
Charging Method	Automatic Return To Charge
External Dimensions	L2243*W1143*H450(mm)
Load Capacity	1-5 ton / Customized



Industrial Applications

The TIANYUE AGV Automated Guided Vehicle System from Guangzhou is certified with 3C and CE standards, offering exceptional reliability and safety for modern automated facilities. With load capacity from 1 to 5 tons (customizable), it efficiently handles heavy payloads with precision.

This Warehouse AGV is widely used in large warehouses, manufacturing plants, distribution centers, and logistics hubs. Advanced navigation methods including laser guidance, QR code recognition, and SLAM navigation provide highly accurate movement with $\pm 5\text{-}10\text{mm}$ precision.

Supporting wireless communication interfaces, the system integrates seamlessly with warehouse management systems for real-time monitoring and remote control. Supply capacity of 100 pieces per month with 30-40 working days delivery time.

Applications include automated material transport, assembly line feeding, pallet handling, and inventory replenishment. The system reduces labor costs, minimizes human error, and improves workflow consistency.





HIGH QUALITY



EASY OPERATION



AFTER-SALES SERVICE



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