



Navigation Accuracy $\pm 5-10$ mm AGV Automated Guided Vehicle with Machine Size 792 X 580 X 250 Mm and Comprehensive Endurance 8h for Factory Automation

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

- Charging Method: Manual/Automatic/Quick Change
- Driving Speed: ≤ 1.5 M/s
- Machine Size: 792 X 580 X250 Mm
- Comprehensive Endurance: 8h
- Communication Interface: Wi-Fi / 4G / Ethernet
- Navigation Accuracy: $\pm 5-10$ mm
- Minimum Passage Width: 640 Mm
- Steering Type: Servo Steering
- Highlight:
 - Navigation Accuracy $\pm 5-10$ mm AGV Automated Guided Vehicle
 - Machine Size 792 X 580 X 250 Mm Material Handling AGV
 - Comprehensive Endurance 8h Factory Automation AGV



More Images



Product Description

AGV Automated Guided Vehicle System

The AGV Automated Guided Vehicle is an advanced material handling system designed to revolutionize goods transportation within industrial and commercial environments. Engineered with cutting-edge technology, this factory automation solution ensures seamless and efficient movement of loads up to 300KG, significantly improving productivity and operational workflow.



Advanced Navigation & Safety

Utilizing Laser SLAM (Simultaneous Localization and Mapping) technology, this AGV can accurately map its environment and navigate complex factory floors with precision and safety. The intelligent navigation system allows autonomous operation while avoiding obstacles and optimizing routes to reduce transit times.

Key Features

- Product Name: AGV Automated Guided Vehicle
- Lifting Stroke: 60±2 mm
- Driving Speed: ≤1.5 m/s
- Machine Size: 792 x 580 x 250 mm
- Communication Interface: Wi-Fi / 4G / Ethernet
- Rotational Diameter: 910 mm
- Magnetic Guided AGV technology for precise navigation
- Designed for efficient warehouse material handling
- Reliable performance in various manufacturing environments



Technical Specifications

| Parameter | Specification |
|-------------------------|-----------------------------------|
| Communication Interface | Wi-Fi / 4G / Ethernet |
| Rotational Diameter | 910 mm |
| Battery Specifications | 48V / 20 Ah |
| Charging Method | Manual / Automatic / Quick Change |
| Lifting Stroke | 60 ± 2 mm |
| Load Weight | 300 kg |
| Driving Speed | ≤ 1.5 m/s |
| Comprehensive Endurance | 8 hours |
| Navigation Accuracy | ±5-10 mm |
| Steering Type | Servo Steering |

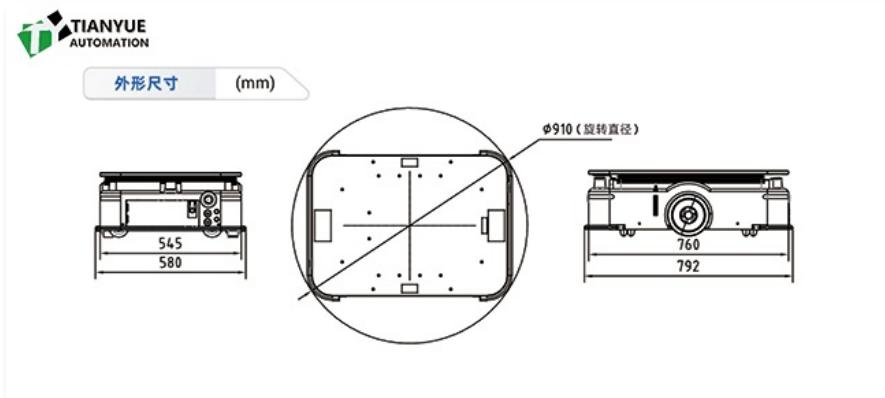


Flexible Communication & Charging

The AGV supports multiple communication interfaces including Wi-Fi, 4G, and Ethernet, ensuring reliable connectivity in diverse industrial settings. Three charging methods - manual, automatic, and quick change battery systems - provide operational flexibility and minimize downtime.

Compact Design & Maneuverability

With a minimum passage width requirement of only 640 mm, this AGV can navigate narrow aisles and confined spaces common in modern factories and warehouses, making it ideal for facilities with limited floor space.



Industrial Applications

The TIANYUE Smart AGV Robot is certified with 3C and CE standards and designed for various industrial applications including:

- Warehouse material handling and logistics
- Manufacturing plant operations
- Distribution centers
- Assembly line feeding
- Pallet transport and order picking
- Inventory management systems

With comprehensive endurance of up to 8 hours and advanced safety sensors, this AGV reduces labor costs and improves operational efficiency while ensuring a safe work environment. Perfect for automotive manufacturing, electronics, food and beverage,

and pharmaceutical industries.

 **COMPANY PROFILE**



HIGH QUALITY **EASY OPERATION** **AFTER-SALES SERVICE**



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