

## 5000KG Bearing Weight AGV Automated Guided Vehicle with Precise Navigation $\pm 10\text{mm}$ and Back Lift Docking Mode

Our Product Introduction

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### Basic Information

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

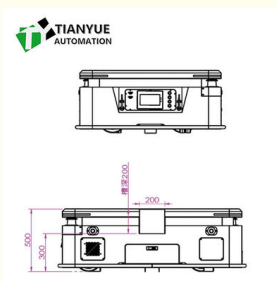
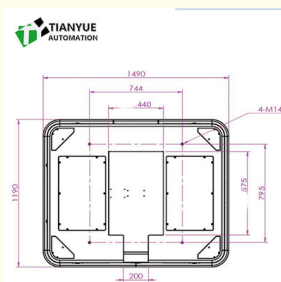


### Product Specification

- Emergency Stop Switch: One In Each Corner
- Load: 5 Tons
- Precise Navigation:  $\pm 10\text{mm}$
- Maximum Load Capacity: Up To 5000 Kg
- Power Supply: Lithium Battery, 48V 120Ah
- Shell Material: Stainless Steel
- Tyre Material: Polyurethane
- Bearing Weight: 5000KG
- Highlight: 5000KG Bearing Weight AGV, Precise Navigation  $\pm 10\text{mm}$  AGV, Back Lift Docking Mode AGV



### More Images



## Product Description

### 5000KG Bearing Weight Automated Guided Vehicle System

The AGV Automated Guided Vehicle is an advanced solution designed to revolutionize material handling processes in various industrial environments. Engineered with precision and durability, this industrial AGV vehicle offers exceptional performance, reliability, and safety for modern manufacturing and logistics operations.



#### Precision Navigation & Performance

Featuring a precise navigation system with  $\pm 10\text{mm}$  accuracy, this AGV maneuvers through complex pathways and confined spaces with ease, reducing errors and increasing operational efficiency. The polyurethane tires provide excellent traction, wear resistance, and shock absorption on various floor surfaces.

#### Heavy-Duty Load Capacity

With a robust bearing capacity of 5000KG, this vehicle efficiently transports heavy materials, machinery parts, and bulk goods. The high load-bearing capability allows consolidation of multiple items in single trips, optimizing workflow efficiency.

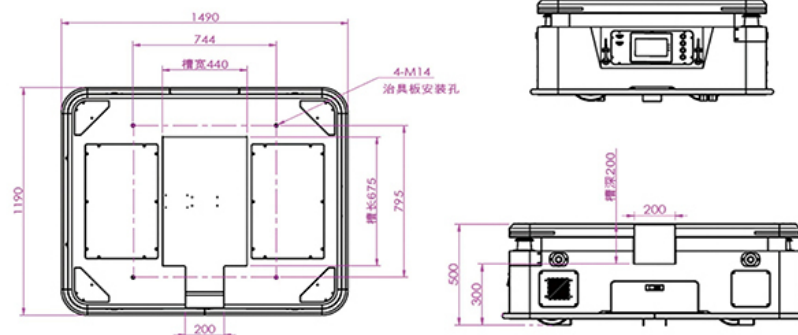
#### Advanced Safety & Docking Features

The back lift docking mode simplifies loading and unloading with quick, secure attachment of pallets and containers. A comprehensive 360° collision prevention system actively monitors the environment to detect obstacles and ensure personnel safety.



## Product Features

- Product Name: AGV Automated Guided Vehicle
- Shell Material: Durable Stainless Steel for long-lasting use
- Maximum Speed: 1 Meter Per Second for efficient transport
- Emergency Stop Switch: Equipped with one in each corner for enhanced safety
- Power Supply: High-capacity Lithium Battery, 48V 120Ah
- Docking Mode: Back Lift for easy loading and unloading
- Designed for Factory Automation AGV applications
- Functions as a Smart AGV Robot with advanced navigation
- Ideal for Material Handling AGV tasks in industrial environments



## Technical Specifications

Parameter	Specification
Bearing Weight	5000KG

Load Capacity	5 Tons / Up To 5000 Kg
Emergency Stop Switch	One In Each Corner
Navigation System	SLAM
Shell Material	Stainless Steel
Power Supply	Lithium Battery, 48V 120Ah
Precise Navigation Accuracy	±10mm
Tyre Material	Polyurethane
Charging Method	Automatic/Manual



**Industrial Applications**

The TIANYUE Industrial AGV Vehicle is designed to revolutionize material handling across manufacturing plants, warehouses, logistics centers, and distribution hubs. Its robust stainless steel construction and 5-ton load capacity make it ideal for heavy-duty transportation tasks.

In automotive manufacturing, it seamlessly moves large components between assembly lines. In warehouse operations, it efficiently handles pallet transfers, order picking, and inventory replenishment. Additional applications include food processing plants, pharmaceutical facilities, and electronics manufacturing.

With flexible charging options (automatic/manual) and comprehensive safety features including emergency stop switches at each corner, this AGV ensures maximum operational safety and continuous productivity in 24/7 operations.

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# COMPANY PROFILE



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