



AGV Automated Guided Vehicle with 400 Kg Load Capacity 942Mm Rotational Diameter and Two-Wheel Differential Drive for Warehouse 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

- Running Way: Cement Floor
- Carrying Mode: Back Lift
- Loadcapacity: 400 Kg
- Lifting Height: 75mm
- Size: L1236*W836*H350 (mm) Customizable
- Drivetrain: Two-Wheel Differential Drive
- Rotational Diameter: 942Mm
- Maximum Speed: Up To 1.5 M/s
- Highlight: **400 Kg Load Capacity AGV Automated Guided Vehicle , 942Mm Rotational Diameter Warehouse AGV, Two-Wheel Differential Drive Industrial AGV Vehicle**



More Images



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Product Description

Comprehensive Endurance 8h Automated Guided Vehicle System

The AGV Automated Guided Vehicle is an advanced warehouse automation solution designed to optimize material handling and streamline operations in various industrial settings. This state-of-the-art industrial AGV vehicle integrates cutting-edge technology with robust engineering to deliver exceptional performance, reliability, and safety.

Key Features & Capabilities

Featuring a Two-Wheel Differential Drive system, this AGV offers superior maneuverability and precise control, allowing navigation through tight spaces and complex pathways. The vehicle achieves remarkable movement accuracy with $\pm 10\text{mm}$ positioning and $\pm 1^\circ$ orientation tolerance, ensuring consistent load delivery without manual intervention.

Safety & Protection Systems

Multiple security protection features include an Anti-collision Strip for obstacle detection, Emergency Stop mechanism for immediate halting, and Depth Camera for real-time environmental sensing and obstacle detection, ensuring safe autonomous movement in dynamic settings.

Load Handling & Performance

The Back Lift carrying system provides stable and secure transport of pallets, containers, and heavy loads up to 400kg. With a maximum speed of 1.5 m/s, the vehicle maintains optimal balance between efficiency and safety while ensuring high control and stability.



Product Specifications

- Product Name: AGV Automated Guided Vehicle
- Maximum Speed: Up to 1.5 m/s for efficient transportation
- Running Surface: Cement Floor surfaces
- Load Capacity: 400 kg for heavy material handling
- Drivetrain: Two-Wheel Differential Drive for precise maneuverability
- Control System: Advanced PLC for reliable automation
- Ideal for warehouse AGV applications enhancing storage and retrieval
- Perfect as Material Handling AGV to streamline logistics operations



Technical Parameters

Control System	PLC
Lifting Height	75mm
Carrying Mode	Back Lift
Comprehensive Endurance	8h
Drivetrain	Two-Wheel Differential Drive
Rotational Diameter	942mm
Movement Accuracy	$\pm 10\text{mm} / \pm 1^\circ$
Running Surface	Cement Floor
Maximum Speed	Up to 1.5 m/s
Size (L×W×H)	1236×836×350 mm (Customizable)



Applications & Integration

The TIANYUE AGV Automated Guided Vehicle is designed to enhance factory automation across various industrial environments. Certified with 3C and CE standards, this smart AGV robot ensures high safety and reliability for modern manufacturing and logistics operations.

Manufacturing & Logistics Applications

Ideal for large-scale manufacturing plants where efficient transportation of components and finished goods is critical. The compact design with 942mm rotational diameter allows navigation through complex factory layouts, supporting seamless integration within assembly lines and reducing manual labor.

Warehouse Automation

Plays a vital role in automating inventory movement in logistics warehouses, enhancing order fulfillment speed, and increasing overall throughput. With comprehensive security protection and 8-hour endurance, it operates safely alongside human workers throughout multiple shifts.

Suitable for distribution centers, automotive factories, and electronics manufacturing units requiring flexible and reliable transport solutions. With supply capacity of 100 pieces per month and minimum order quantity of one set, businesses can scale automation efforts efficiently.





HIGH QUALITY



EASY OPERATION



AFTER-SALES SERVICE



Guangzhou Tianyue Automation Technology Co., Ltd.

☎ 13570415240

✉ mkljantian@gmail.com

🌐 roboticsagv.com

Self-Compiled Buildings 7-8, Shitouji Jewelry Co., Ltd., No. 2 Daguanyuan Road, Jewelry City, Huadu District, Guangzhou City, Guangdong Province, China