



Customized Size AGV Auto Guided Vehicle Differential Drive Storage Lifting

Our Product Introduction

Basic Information

- Place of Origin: GUANGZHOU
- Brand Name: TIANYUE
- Certification: 3c.ce
- Model Number: TY-CC-1500C
- Minimum Order Quantity: 1
- Packaging Details: wooden box
- Delivery Time: 45 work days
- Payment Terms: T/T
- Supply Ability: 100



Product Specification

- Drive Mode: Differential Drive
- Size: Customized
- Lifting Stroke: 50-100mm
- Color: Customized
- Load Weight: 1500KG
- Motor Way: Servo Motor
- Highlight: Customized Size AGV Vehicle,
Customized Size Auto Guided Vehicle,
Differential Drive AGV Vehicle



Product Description



OEM & ODM Service

Precise product customization service

20⁺ Years of industry experience
One-stop service

- ✓ Can supply complete AGVs and all the accessories to assemble AGVs.
- ✓ High-level professional engineer R&D team with strong independent innovation capability
- ✓ Have many independent intellectual property rights, and are continuously developing new products and patents.



HIGH QUALITY



EASY OPERATION



AFTER-SALES SERVICE

1-3 Ton Customizable Lifting-Type Fork-Under Warehouse AGV

This series of **Lifting-Type Fork-Under Warehouse AGVs** is designed for intelligent warehousing and internal logistics scenarios, with a **customizable load capacity ranging from 1 to 3 tons**. Featuring a low-profile fork-under design, the AGV can automatically drive under racks or pallets and lift goods efficiently and stably, making it ideal for handling medium to heavy loads.

Key Features:

High Load Capacity: Supports **customized load ranges from 1T to 3T**, adaptable to various applications.

Modular Lifting System: Equipped with a high-strength electric lifting mechanism; lifting height and structure can be customized as required.

Fork-Under Design: Ultra-low profile allows the AGV to drive underneath cargo without modifying racks or pallets.

Flexible Navigation Options: Supports laser SLAM, QR code, magnetic tape, or inertial navigation to adapt to complex environments.

Advanced Safety Features: Includes 360° laser obstacle detection, safety edge sensors, sound-light alarms, and emergency stop buttons.

Strong System Compatibility: Seamlessly integrates with WMS, WCS, and MES systems for intelligent dispatching, task coordination, and route optimization.

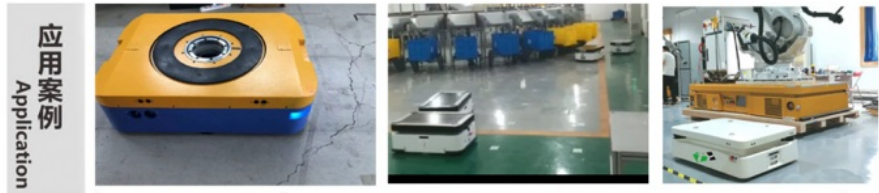
Auto Charging: Supports auto docking charging or battery swap systems, ensuring 24/7 uninterrupted operation.

Application Scenarios:

- Smart automated warehouses
- Parts buffering and delivery
- E-commerce sorting and fulfillment
- Internal logistics in manufacturing plants
- Production line automation interfaces

Technical Specifications

Item	Technical Specifications
Product Name	1t Lifting Omnidirectional Storage Top-lift AGV
Product Dimensions	L x W x H mm (customizable)
Loading Mode	Undercarriage top-lift, customizable lift stroke 50-100 mm
Load Capacity	1000 KG - 1500 KG (customizable)
Control Mode	PLC, Microcontroller (customizable)
Guidance Mode	Laser, QR Code, Magnetic Tape (customizable)
Travel Directions	Forward, Backward, Turn Left, Turn Right, Branch, 360° Rotation
Drive Mode	Differential Wheel Drive
Drive Power Supply	DC 48V
Travel Speed	Linear: 0-40 m/min, Turning: 0-20 m/min
Repeat Positioning Accuracy	±5 mm
Allowed Ground Flatness	≤5 mm
Operating Mode	Continuous operation for 24 hours
Climbing Ability	≤5%
Charging Mode	Online Charging (side charging)
Obstacle Sensor Safety Detection Range	Detection Distance: ≤3 m (adjustable), Sensor Detection Angle: ≤270° (adjustable), Emergency Braking Distance: < 20 mm
Safety Protection	Front Obstacle Detection Sensor, Dual Safety Edge Collision Protection Mechanism, Emergency Stop Switch
Alarm Mode	Audible and Visual Alarm, Three-color Light, Music Horn
Operating Noise	Below 70 dB (A)
Battery	Type: Lithium Iron Phosphate Battery, Voltage: 48V, Capacity: 60Ah
Design Life	>10 years





R & D patents



AGV



Drive wheel



R & D center



Production line



CNC workshop



Processing department



Material warehouse



Loading container area



Technical Support

Once purchased, you will automatically become our VIP customer and enjoy lifetime free technical support and consulting services



Exclusive Customer Service

If you have any questions, please contact the sales staff and we will reply you within 24 hours



SHIPPING METHODS



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