



## 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<sup>+</sup>** 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.

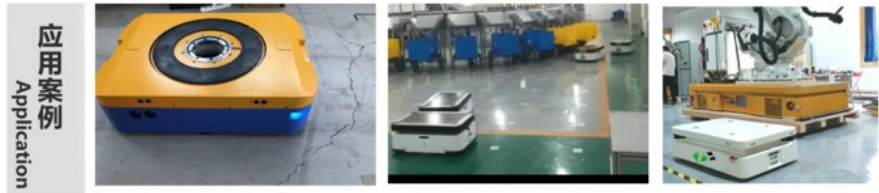
**Auto Charging:** Supports auto docking charging or battery swap systems, ensuring 24/7 uninterrupted operation.

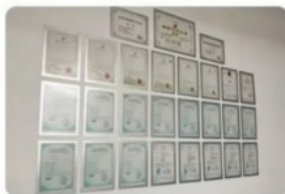
#### Application Scenarios:

- 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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