

AMR Autonomous Mobile Robot with Differential Wheel Drivetrain and Bidirectional Movement for Industrial Inspection

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: 30-40work Days
- Payment Terms: L/C,T/T
- Supply Ability: 100 Pieces/month

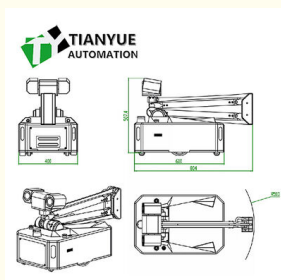


Product Specification

- Navigation Accuracy: $\pm 5\text{mm}$
- Navigation Method: Lidar Obstacle Avoidance
- Safety features: Emergency Stop And Collision Avoidance
- Drivetrain: Differential Wheel
- Size: Customization
- Motor Way: Servo Motor
- Driving Mode: Bidirectional Forward And Backward Movement + On-the-spot Turning
- Interaction Functions: Voice/Light/Display Screen
- Battery Specifications: Lithium Iron Phosphate Battery
- Comprehensive Endurance: 8h
- Highlight: **Differential Wheel Drivetrain AMR, Bidirectional Movement Autonomous Mobile Robot, Voice Light Display Screen Industrial Robot**



More Images



Product Description

Inspection Robots for Manufacturing Enterprises



Product Overview

The AMR Autonomous Mobile Robot is a cutting-edge solution designed specifically for warehouse pallet handling, offering a seamless combination of efficiency, precision, and safety. Inspection robots provide equipment inspection, material inspection, and environmental inspection solutions for manufacturing enterprises.

Key Features

- **Product Name:** AMR Autonomous Mobile Robot
- **Drive Mode:** Mecanum Wheel for omnidirectional movement
- **Endurance:** Up to 8 hours of continuous operation
- **Navigation Accuracy:** High precision with $\pm 5\text{mm}$ accuracy
- **Motor Type:** Advanced Servo Motors
- **Pickup Height:** 2.5 meters for vertical storage systems
- **Safety Features:** Emergency stop and collision avoidance



Technical Specifications

Navigation Method	Lidar Obstacle Avoidance
Navigation Accuracy	±5mm
Safety Features	Emergency Stop And Collision Avoidance
Drivetrain	Differential Wheel
Motor Type	Servo Motor
Driving Mode	Bidirectional forward/backward + on-the-spot turning
Interaction	Voice/Light/Display Screen
Battery	Lithium Iron Phosphate Battery
Operational Time	8 hours



Applications

The TIANYUE AMR Autonomous Mobile Robot is designed to revolutionize warehouse pallet handling with its advanced features and reliable performance. This industrial robot is ideal for:

- Large-scale distribution centers
- Manufacturing plants
- Logistics hubs
- Smart factory operations
- Industry 4.0 implementations

With customization options and seamless integration capabilities, the AMR robot adapts to various operational needs while working cooperatively with human operators and other automated systems.





HIGH QUALITY



EASY OPERATION



AFTER-SALES SERVICE



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