



## 1.2T Load Capacity Intelligent Unmanned Forklift with Lithium Iron Phosphate Power and LiDAR Vision SLAM Navigation

Our Product Introduction

### Basic Information

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



### Product Specification

- Safetyfeatures: Obstacle Detection And Emergency Stop
- Type: Unmanned Forklift
- Drive Configuration: Single Steering Wheel
- Lifting Height: 1844mm±5
- Load: 1.2T
- Power Supply: Lithium Iron Phosphate
- Navigationtechnology: LiDAR And Vision-based SLAM
- Turning Diameter (unloaded): 2566mm
- Highlight:
  - 1.2T Load Capacity Intelligent Unmanned Forklift
  - Lithium Iron Phosphate Power Heavy Duty Forklift Truck
  - LiDAR Vision SLAM Navigation Automated Guided Forklift



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## Product Description

### Intelligent Unmanned Forklift - 1.2T Heavy Duty Material Handling Solution



The TIANYUE Intelligent Unmanned Forklift represents cutting-edge automation technology designed to revolutionize material handling operations in warehouses, manufacturing facilities, and logistics centers. This heavy-duty autonomous vehicle combines advanced robotics with robust engineering to deliver exceptional performance, safety, and operational efficiency.

Powered by a Lithium Iron Phosphate battery system, this forklift ensures long-lasting energy supply with rapid charging capabilities and enhanced environmental sustainability compared to traditional lead-acid batteries. The power system supports continuous heavy-duty operations throughout demanding work shifts, making it ideal for industrial applications requiring sustained performance.

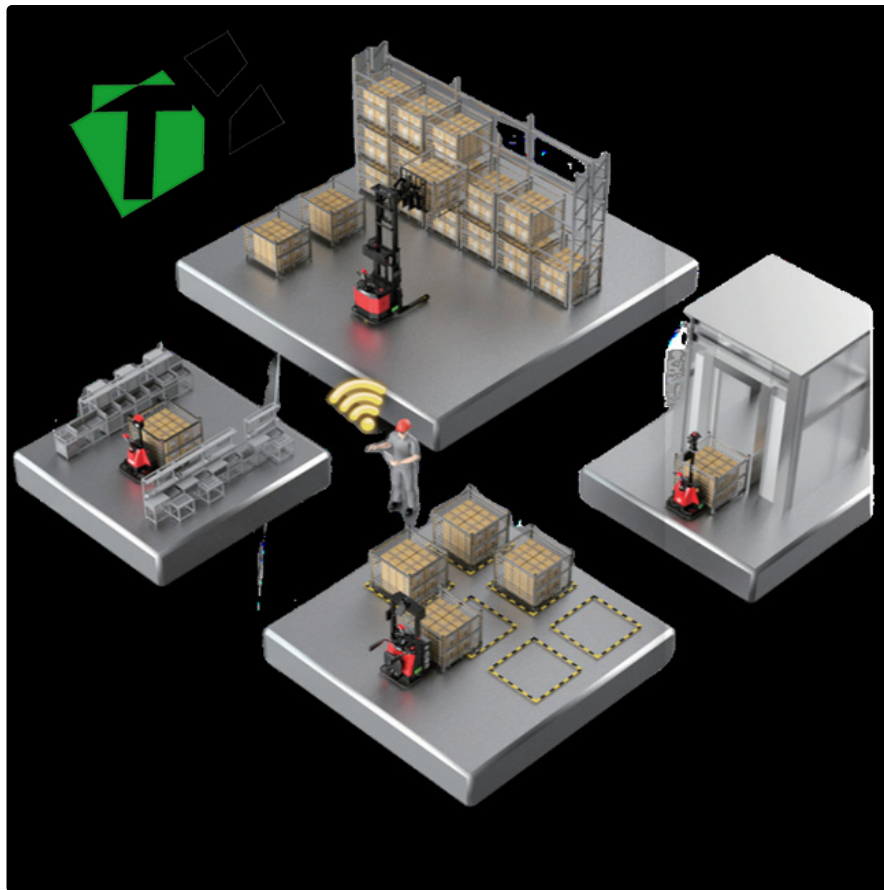
### Key Features & Specifications

- **Product Name:** Intelligent Unmanned Forklift
- **Type:** Autonomous Heavy Duty Forklift
- **Navigation Technology:** LiDAR and Vision-based SLAM for precise movement
- **Load Capacity:** 1.2 Tons for heavy lifting applications
- **Turning Diameter (Unloaded):** 2566mm for agile maneuverability
- **Maximum Speed:** 2 m/s for efficient operation
- **Battery Life:** 8 hours continuous operation
- **Positioning Accuracy:**  $\pm 10$  mm precision



## Technical Specifications

Parameter	Specification
Vehicle Body Dimensions	1750/915/1950 mm
Navigation Technology	LiDAR And Vision-based SLAM
Turning Diameter (Unloaded)	2566 mm
Load Weight	1200 KG
Appearance	Customization Available
Forklift Attachments	Customized Solutions
Battery Life	8 Hours Continuous Operation
Lifting Height	1844 mm $\pm$ 5
Positioning Accuracy	$\pm$ 10 mm
Drive Configuration	Single Steering Wheel



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## Industrial Applications

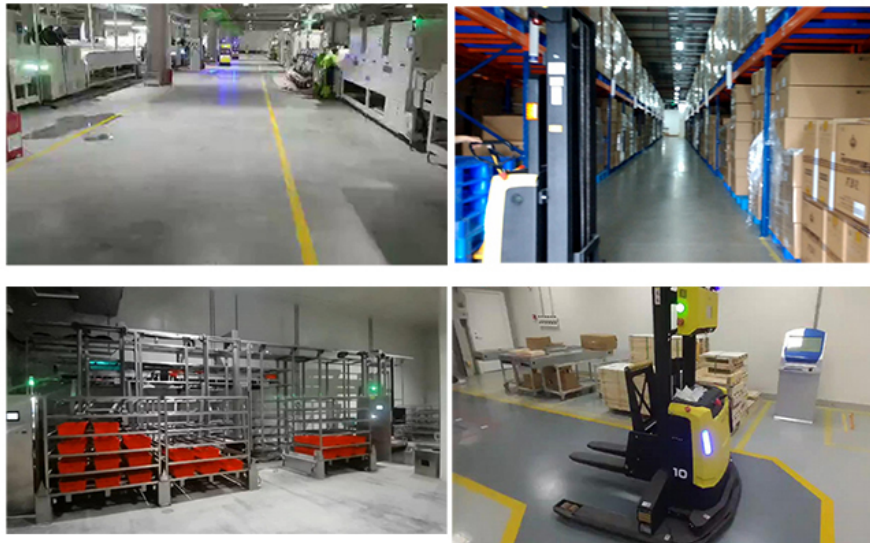
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The TIANYUE Intelligent Unmanned Forklift, manufactured in Guangzhou with 3C and CE certifications, is engineered for high-efficiency material handling across multiple industries. This heavy-duty autonomous solution is ideal for automated warehouses, manufacturing plants, logistics centers, and large-scale distribution facilities where precision automation and reliability are essential.

In automated warehouse environments, the advanced LiDAR and vision-based SLAM navigation ensures accurate positioning within  $\pm 10\text{mm}$ , enabling seamless operation in complex layouts without human intervention. This capability optimizes storage and retrieval processes while reducing labor costs and enhancing workplace safety.

Manufacturing facilities benefit from the forklift's ability to handle heavy loads with customized attachments tailored to specific production requirements. The robust design and 8-hour continuous battery life support uninterrupted operation throughout extended work shifts.

Logistics and distribution centers can scale their automation capabilities with a supply capacity of 100 units monthly and flexible ordering options. Secure packaging in wooden crates ensures safe delivery within 30-40 working days, supported by negotiable pricing and multiple payment methods including L/C and T/T.



## **广州市添越自动化技术有限公司** Guangzhou Tianyue Automation Technology Co., Ltd. **COMPANY PROFILE**





HIGH QUALITY



EASY OPERATION



AFTER-SALES SERVICE



**Guangzhou Tianyue Automation Technology Co., Ltd.**



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