



# Intelligent Unmanned Forklift Heavy Duty Forklift Truck with 2000 Kg Load Capacity LiDAR And Vision-based SLAM Navigation and Mecanum Wheel Or Steering Wheel Drive

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

- Minimum Passage Width: 1400mm
- Drive: Mecanum Wheel Or Steering Wheel
- Navigation technology: LiDAR And Vision-based SLAM
- Size: 3100L\*1120W\*2100H Mm
- Charging time: 4 Hours
- Forklift Height: 3000MM
- Appearance: Customization
- Operating Speed: 1.3m/s
- Highlight: **2000 Kg Load Capacity Intelligent Unmanned Forklift**  
**LiDAR And Vision-based SLAM Navigation Heavy Duty Forklift Truck**  
**Mecanum Wheel Or Steering Wheel Drive Automated Guided Forklift**



## More Images



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### Intelligent Unmanned Forklift - Heavy Duty Industrial Transport Machine



The Intelligent Unmanned Forklift represents a cutting-edge solution designed to revolutionize material handling across diverse industrial environments. This heavy-duty forklift truck delivers exceptional efficiency, safety, and customization capabilities, making it an essential asset for warehouses, manufacturing plants, and distribution centers. Engineered with advanced autonomous technology, this forklift operates without human drivers, significantly reducing labor costs and minimizing accident risks.

Customizable appearance options allow this forklift to be tailored to specific aesthetic and functional requirements, including color schemes, company branding, and structural modifications to align with your operational needs and corporate identity.

#### Advanced Mobility Options

The Intelligent Unmanned Forklift offers two drive systems to accommodate various flooring and maneuvering requirements:

**Mecanum Wheel Drive:** Enables omnidirectional movement for navigating tight spaces and complex layouts with sideways, diagonal, and spot rotation capabilities

**Steering Wheel Drive:** Provides traditional directional control optimized for straightforward routes and precise operation

Both systems ensure smooth, stable operation at an impressive speed of 1.3 meters per second, enhancing productivity across all applications.

#### Robust Performance Specifications

With a substantial forklift height of 3000mm, this heavy-duty truck efficiently handles pallet stacking and retrieval tasks, reaching high storage racks in vertical storage environments. The compact dimensions (3100L × 1120W × 2100H mm) provide optimal stability and maneuverability for both spacious warehouse aisles and confined areas.



3D Visual Perception



Broad Compatibility



Stable and Smooth



Precise Positioning

## Key Features

**Product Name:** Intelligent Unmanned Forklift

**Drive Options:** Mecanum Wheel or Steering Wheel

**Parking Precision:**  $\pm 10\text{mm}$  for accurate positioning

**Minimum Passage Width:** 1400mm

**Navigation Technology:** LiDAR and Vision-based SLAM

**Forklift Height:** 3000mm

**Heavy Duty Construction:** Robust design for demanding industrial environments

**Advanced Safety Features:** Supports efficient and secure material handling



## Technical Parameters

Parameter	Specification
Charging Time	4 Hours
Parking Precision	±10mm
Appearance	Customization
Forklift Height	3000mm
Navigation Technology	LiDAR and Vision-based SLAM
Minimum Passage Width	1400mm
Size	3100L × 1120W × 2100H mm
Drive	Mecanum Wheel or Steering Wheel
Operating Speed	1.3 m/s
Load Capacity	2000 kg



## Industrial Applications

The TIANYUE Intelligent Unmanned Forklift, manufactured in Guangzhou and certified with 3C and CE standards, provides advanced solutions for modern logistics and industrial environments. Its intelligent navigation technology enables precise autonomous operations ideal for warehouses, factories, and distribution centers where efficiency and accuracy are paramount.

### Automated Warehouse Management

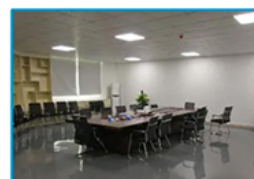
With a minimum passage width of 1400mm and forklift height of 3000mm, this equipment maneuvers through narrow aisles and handles tall shelving units efficiently, maximizing storage capacity and optimizing space utilization in high-density facilities.

### Heavy Manufacturing Plants

The forklift excels at transporting raw materials and finished products across production lines at 1.3 m/s. Autonomous features reduce manual labor in hazardous or repetitive tasks, enhancing workplace safety and productivity while supporting heavy-duty loads.

### Distribution Hubs

Well-suited for large-scale distribution centers requiring fast, precise pallet movement. With a supply capacity of 100 units monthly, delivery in 30-40 working days via secure wooden packaging, and flexible payment terms including L/C and T/T.







HIGH QUALITY



EASY OPERATION



AFTER-SALES SERVICE



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