



Intelligent Unmanned Forklift with Front Bumper Safety Anti-Collision Edge and LiDAR Vision-based SLAM Navigation for 8~10h Endurance

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: 10 Pieces/month



Product Specification

- Ambient Temperature Range: 0°-50°
- Safety Touch Edge: Front Bumper Safety Anti-Collision Edge
- Battery Voltage: 48V/23Ah
- Stop Precisely: $\pm 5\text{mm}$
- Lifting Height: $\leq 1600\text{ Mm}$ (customizable)
- Navigationsystem: LiDAR And Vision-based SLAM
- Endurance Time: 8~10h
- Charging Method: Automatic Recharging / Manual Charging
- Highlight: **Front Bumper Safety Anti-Collision Edge
Intelligent Unmanned Forklift**
**LiDAR And Vision-based SLAM Navigation
Heavy Duty Forklift Truck**
**8~10h Endurance Time Automated Guided
Forklift**



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Product Description

Safety Touch Edge Front Bumper Safety Anti Collision Edge Heavy Duty Forklift Truck Electric Powered Industrial Lifting Vehicle

Product Overview

The intelligent unmanned forklift represents a significant advancement in material handling technology, designed to enhance efficiency, accuracy, and safety in various industrial and warehouse environments. As one of the leading automated forklift trucks available on the market, this intelligent unmanned forklift is engineered to perform complex tasks with precision and reliability, minimizing human intervention and maximizing productivity.



One of the standout features is its accurate positioning capability with $\pm 10\text{mm}$ positioning accuracy and $\pm 1^\circ$ angular accuracy, ensuring precise navigation and handling of loads within tight spaces. This level of accuracy is crucial for optimizing warehouse operations, reducing errors, and preventing damage to goods and infrastructure.

The forklift handles loads ranging from 1 to 4 tonnes (1000 to 4000 kilograms), making it versatile enough to accommodate various materials and pallet sizes. With dimensions of 2000 mm length, 2300 mm width, and 2000 mm height, the unit fits well within standard warehouse aisles and docking areas.

Power management is handled by a 48V/23Ah battery with flexible charging options including automatic recharging and manual charging. Automatic recharging enhances operational uptime by allowing autonomous docking when battery levels are low.



Key Features

- Product Name: Intelligent Unmanned Forklift
- Endurance Time: 8~10 hours for continuous operation
- Battery Voltage: 48V/23Ah to ensure long-lasting power
- Load Weight Capacity: Supports 1-4T (1000-4000 Kg) for versatile handling
- Power Source: Electric, providing eco-friendly and efficient performance
- Charging Method: Features both Automatic Recharging and Manual Charging options
- Advanced intelligent unmanned forklift technology for enhanced productivity
- Reliable unmanned forklift design for safe and autonomous operation
- State-of-the-art intelligent unmanned forklift system integrating smart navigation and control

Technical Specifications

Safety Touch Edge	Front Bumper Safety Anti-Collision Edge
Endurance Time	8~10h
Charging Method	Automatic Recharging / Manual Charging
Load Weight	1-4T (1000-4000 Kg)
Power Source	Electric
Stop Precisely	±5mm
Navigation System	LiDAR And Vision-based SLAM
Lifting Height	≤1600 Mm (customizable)
Accurate Positioning	±10mm / ±1°
Ambient Temperature Range	0°-50°

Application Scenarios



Warehouse Logistics



Production Line
Material Handling



PHARMACEUTICAL
/ CLEAN-ROOM

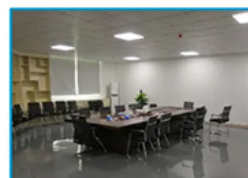
Applications

The TIANYUE Intelligent Unmanned Forklift, originating from GUANGZHOU and certified with 3c and ce standards, is revolutionizing material handling across various industries. Designed as an advanced AGV fork truck, this product combines cutting-edge technology with robust construction to deliver exceptional performance in diverse operational environments.

Key application areas include large-scale warehouses requiring continuous, reliable material transport without human intervention. The forklift's intelligent navigation system employing LiDAR and vision-based SLAM technology ensures precise and adaptable route planning through complex warehouse layouts.

In manufacturing scenarios, the AGV fork truck automates transportation of heavy materials and components between production lines and storage areas. Distribution centers benefit from streamlined loading and unloading processes with the forklift's 8-10 hour endurance time and flexible charging methods.

With a supply capacity of 10 pieces per month, secure wooden box packaging, and 30-40 working day delivery, these automated forklift trucks offer competitive pricing with flexible payment terms including L/C and T/T.





HIGH QUALITY



EASY OPERATION



AFTER-SALES SERVICE



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