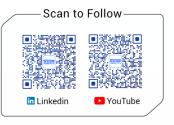






**Load Type** 





**Laser SLAM Autonomous Pallet Truck** 

Strongest Pallet Truck, Flexible and Efficient



#### Small Body, 1.5 T in Load Capacity

It is only 980 mm in width, designed for narrow aisles, with a load capacity of up to 1.5 T.



#### 360° Large Field of View, Multiple **Safety Protection**

Support up to 360° scanning range, 30 m detection distance and large field. With a 2D safety obstacle detection laser, distance sensor, hardware self-check, and other features.



#### 3+ Carriers Types, Wide Angle High **Precision Recognition**

Multi-angle and high-precision recognition of multi-size and multi-type pallets, shelves and cages, such as euro pallets, open pallets and non-standard pallets.



#### Speed Up to 2 m/s, Mapping Up to 400000 m<sup>2</sup>

Maximum driving speed of up to 2 m/s and the capability to recognize the map up to 400000 m<sup>2</sup>. It effortlessly breaks area limitations, offering expansive transportation spaces and more storage options.



#### **Quick Charge, Quick Swap; Double Battery, Double Endurance**

Support up to 46 A rapid charging. 1 hour in charging and double the battery for an impressive 8 to 10-hour journey. Even beginners can swap the battery in 3 minutes. Modular battery with global certification.



#### **CE Certification, Guaranteed Safety**

With the CE safety certification, operate with enhanced reliability and improved safety.

# **Parameter Specification**

Standard





#### **Basic parameters**

Product name Laser SLAM

Autonomous Pallet Truck

Operation type Automatic navigation,

by manual control device

Navigation typeLaser SLAMPallet typeOpen palletRated load capacity1500 kgLoad center distance600 mmWeight (with battery)403 kgStandard lifting height205 mm

Fork dimensions: L x W x H

Fork dimensions: L x W x H

1685 × 980 x 1906 mm

1220 x (170+7) x 75 mm
(7 mm wiring panel)

**Fork outer width** 550 / 600 / 680 mm

Right-angle stacking aisle width, pallet 1000×1200

(1200 placed along the fork)

Right-angle stacking aisle width, pallet 800×1200

(1200 placed along the fork)

Right-angle stacking aisle width,

pallet 1000×1000

(1000 placed along the fork)

Minimum turning radius 1532 mm

Ambient temperature and humidity range TEMP: 0°C to 50°C / RH: 10% to 90%, no compression, no condensation

2260 mm

2220 mm

2230 mm

## Performance parameters

**Driving speed: full load / no load** 1.4/ 1.4 m/s

Passability (slope / step / gap) < 5% / 10 mm / 30 mm

Navigation position accuracy $\pm 10 \text{ mm}$ Navigation angle accuracy $\pm 1^{\circ}$ 

#### **Battery parameters**

**Battery specifications** 48 V / 46 Ah

(lithium iron phosphate)

Comprehensive battery life 8 to 10 h
Charging time (10% to 80%) 1 h

Charging method Manual / Automatic

# **Function configurations**

 Lidar number
 1(P+F OMD30M-R2000-B23-V1V1D-HD-1L) +2 (SICK nanoScan3 Core)

Wi-Fi roaming •

3D obstacle avoidance

Pallet recognition •

## **Safety configurations**

E-stop button

Sound and light indicator

Braking distance: 1 m/s / 1.5 m/s 1m / 2m

Fork height protection

#### **Certifications**

ISO 3691-4

EMC / ESD •

UN38.3

RED •

#### **Dimension**

(mm)

