Peer Robotics

PEER 3000

DESIGNED TO WORK WITH HUMANS

BOOK A DEMO

www.peerrobotics.ai

TROLLEY MOVEMENT SOLUTION

ADAPTS TO YOUR EXISTING TROLLEYS OR CARTS

The Peer 3000 platform is designed with modular hardware that can handle a variety of existing trolleys or carts, without requiring any modifications.

INTELLIGENT AND AUTOMATED OPERATIONS

Our intelligent operations flow enables end-to-end automation of your entire workflow.

HUMAN-ROBOT COLLABORATION

Our Human-Robot collaboration technology enables seamless interaction between humans and robots with modes like "Follow-Me" and "Manual Override".

DESIGNED FOR BROWNFIELD ENVIRONMENTS

The solution is specially engineered for the existing "brownfield" factory layouts of U.S. manufacturing. It works within the constraints of current facilities without needing costly retrofitting.

CHOOSE YOUR SOLUTION

TROLLEY MOVEMENT

PALLET MOVEMENT SOLUTION

3000 LBS PAYLOAD CAPACITY

The Peer 3000 is capable of handling a payload of up to 3000 lbs (1350 kg), making it suitable for moving heavy pallets.

FULLY AUTONOMOUS PALLET JACK

Peer 3000 can operate as a fully autonomous pallet jack by automating complete operations - pallet picking, navigation and drop.

AMERICAN PALLETS, EU PALLETS, AND MANY MORE...

The solution is designed to automate the movement of existing range of pallets without requiring any modifications to your operations.

SAFETY AND NAVIGATION

Peer 3000 is equipped with an extensive sensor suite, including camera systems that provide a full 360-degree field of view and 2-D lidars to ensure safe and reliable operation.

TROLLEY TUGGER

PALLET JACK

PEER3000 Specifications

General	
Design life	5 years or 2,000 charging cycles, whichever occurs first
Dimensions	
L*W*H	40*32*80 inches (1000*810*2000 mm)
Ground Clearance	0.75 inches (20 mm)
Weight (w/o payload)	400 lbs (180 kg)
Payload	
Payload Capacity	up to 3000 lbs (1350 kg)
Speed & Performance	
Max Speed (with full Load)	3.3 mph (1.5 m/sec)
Max Acceleration (with full Load)	0.67 mph/sec (0.3 m/sec2)
Power	
Battery Type	Li-ion 48 VDC, 75 Ah
Charging Time	1.5 hours
Charging Dock Type	Autonomous Charging Station
Active Operations Time (with full payload)	8 hours
Environment	
Operating Temperature Range	+41°F to +113°F (+5°C to +45°C)
Narrow Aisle Support	up to 4 feet (1.2 m)
Inclination	max 3 Degrees
Floor Conditions	max step 0.6 inches (15 mm); max gap 0.6 inches (15 mm)
Compliance	
Designed to meet safety standards for Industrial Vehicles	ISO 3691-4, ISO 10218, ANSI 15.08
Communication	
WiFi	802.11ax Dual-band a/b/g/n/ac
Ethernet	Gigabit Ethernet
USB	USB 3.0 via. Type C
Sensor & Safety	
Safety Laser Scanner	1Pcs - Lidars (PlD2 Cat3)
Camera Modules	6Pcs in total; 4Pcs – at 78.5 inches (2 m) height ; 1 Front Bottom and 1 Back Bottom

WEBSITE www.peerrobotics.ai

EMAIL sales@peerrobotics.ai

CONTACT +1 (860) 221-5637

BOOK A DEMO

www.peerrobotics.ai