

Pallet Jack AMR

D150 Series

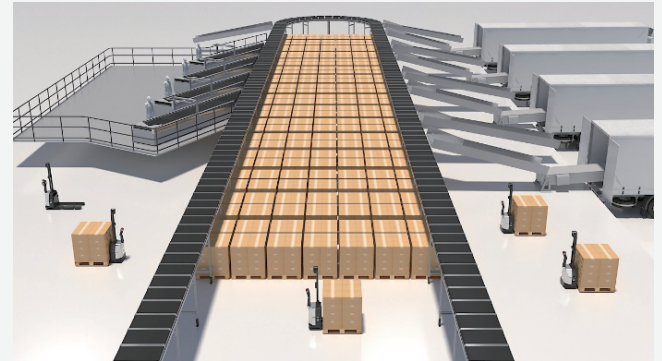
The D150 is a compact unmanned pick-and-place AMR with a picking path of only 1,900 mm. This design saves a significant amount of space outside the storage area, making it an ideal solution for narrow space applications



◆ Applications



3C Warehouse & Material Handling



Logistics



Warehouse & Raw Material Handling of EV Battery



PV Cell Handling

Zhejiang HuaRay Technology Co., Ltd.

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◆ Features

/ FAST SPEED, HIGH EFFICIENCY

- Maximum speed of 1.5 meters per second.
- Rapid battery replacement in 2 minutes.
- Support cluster scheduling.

/ MULTI-SENSOR FUSION

- TOF camera-based intelligent pallet recognition.
- Automatic pose correction, support a maximum deviation of 15 degrees.
- Laser vision fusion for high-precision unloading.

/ 360-DEGREE OBSTACLE AVOIDANCE

- Laser vision fusion, 360-degree stereoscopic obstacle avoidance.
- Intelligent perception, detection of obstacles as low as 5cm.
- Multiple safety protections, audio and visual alarms.

/ SMALL SIZE, BIG STRENGTH

- Support narrow passages of 1.9 meters, rated load of 1500kg.
- Support Max.7 degrees slope.

◆ Parameters

Model	D150	
Parameters	Dimensions L*W*H(mm)	1607*829*1910
	Fork Height(mm)	84±3
	Fork Dimensions(mm)	170/75/1150
	Load Capacity(kg)	1500
	Lifting Height(mm)	120
	Navigation	SLAM
	Screen	7-inch
Safety	Pallet Recognition	Standard
	Laser Obstacle Avoidance	Standard
	Visual Obstacle Avoidance	Standard
	ForkTip Obstacle Avoidance	Standard
	Safety Bumper	Standard
Motion Performance	Audio&Visual Alarm	Standard
	Drive Mode	Wheel-Steering Drive
	Rated Speed(m/s)	1.2(Loaded)/1.5(Unload)
	Lifting Speed(mm/s)	100(Loaded)/120(Unload)
	Lowing Speed(mm/s)	100(Loaded)/120(Unload)
	Aisle Width As Loaded(mm)	1900(1000*1200 Pallet)
Battery	Parking Accuracy(mm)	±10
	Battery Cycle Life	1500 Cycles
	Battery Life(h)	6
	Charging Time(h)	1.5

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