

Flexible Lifting Robot

L1000

LIFTING SERIES

- ◆ 1000KG Payload
- ◆ Lift and Rotate Top Module
- ◆ 8 Hours Runtime
- ◆ Flexible Deployment and Cluster Dispatching
- ◆ Intelligent Traffic Arrangement
- ◆ LiDAR, QR Code Carrier Docking Camera



PRODUCT INTRODUCTION

∞ Robotics for a More Automated world

▶ ABOUT L1000

L1000 is one of the most powerful AMRs with payload of 1000 kg. It is designed with the goal to handle the heaviest workload in the facilities and optimise intralogistics efficiencies and throughputs in warehouses by automating the movement of goods, racks and pallets.

The YOUIFLEET management system allows a fleet collaboration of up to 1000 AMRs under the same system, enabling a real 'light-out' operation across workshops.



L1000 is equipped with dual LiDAR scanners with 360° coverage to support multiple levels of operational safety and security. They are the pillars to ensure a safe and reliable autonomous operation all year long.



With the connection between the battery BMS, L1000 operating system and scheduling system, L1000 can realize automatic navigation to the charging point for automatic charging under the set low battery condition.



Compact and rugged structural design makes it perfect to navigate swiftly under any pallets, carts and shelf pods in warehouses and on factory floors.

Category	Item	Parameter
Main Body	Dimensions	1061*838*300mm
	Weight	310KG
	Max. payload	1000Kg
Navigation	Navigation mode	Laser SLAM/Laser&QR code Fusion
	Navigation accuracy	Laser SLAM Position accuracy: ±10 mm; Angle accuracy: ±1° Laser&QR code Fusion Position accuracy: ±5 mm; Angle accuracy: ±1°
	Turning diameter	1262mm
Mobility Performance	Max. speed	1.5 m/s No-loaded; 1.0 m/s Full-loaded
	Rated speed	1.2 m/s No-loaded; 0.8 m/s Full-loaded
	Lift parameter	360° rotation & lifting; Max. Elevation: 60mm
	Drive model	Two-wheel differential drive
Power & Battery	Cell material	Lithium iron phosphate
	Battery capacity	48V 48Ah
	Battery life	Cycles ≥ 2,000; DoD ≥ 80%
	Battery runtime	≥8H
Safety Design	LiDAR design	Diagonal distribution
	Emergency stop button	2 x buttons located on the both sides of robot
	Anti-collision strip	360° full protection
	Status indicator	Status light



Website: en.youibot.com
Business: Isla@youibot.com

