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Laser SLAM Rotary Lifting Robot

SJV-SW1500

Unparalleled Payload Capacity, Effortless Handling



Multiple Navigation Options Available

Laser SLAM, QR code and laser reflector positioning and navigation can be opted to meet the requirements for various positioning in multiple scenarios.



1.5 T Load Capacity

The load capacity of 1.5 T and superb carrying capacity can meet the needs of carrying large-weight products.



Powerful Material Shelf Identification

Various goods rack identification is supported to meet the carrying requirements in multiple scenarios.



More Accurate Positioning

Positioning accuracy of ± 5 mm for greater precision and efficiency.



Flexible Moving

Small size for narrow aisles. More efficient trackless navigation, lower deployment costs and more flexible moving.



6 h Battery Life

Large-capacity battery makes for 6 h battery life for longer lasting carrying.

Parameter Specification

● Standard ○ Optional



Basic parameters

Product model	SJV-SW1500
Product name	Laser SLAM Rotary Lifting Robot
Navigation type	Laser SLAM
L x W x H	1210 x 892 x 280 mm
Rotation diameter	1412 mm
Weight (with battery)	250 kg
Maximum load capacity	1500 kg
Chassis ground clearance	30 mm
Lifting platform dimensions	1180 x 860 mm
Maximum lifting height	60±1 mm
Navigation laser scanning height	123 mm (H1)
Ambient temperature and humidity range	TEMP: 0°C to 50°C / RH: 10% to 90%, no compression, no condensation

Performance parameters

Passability (slope / step / gap)	≤5% / 5 mm / 30 mm
Minimum aisle width	1000 mm
Navigation position accuracy	±5 mm
Navigation angle accuracy	±1°
Driving speed	≤1.67 m/s

Battery parameters

Battery specifications	48 V / 40 Ah (lithium iron phosphate)
Comprehensive battery life	6 h
Charging time (10% to 80%)	≤2 h
Charging method	Manual / Automatic

Configurations

Lidar number	1 (H1)+1 (C2)
E-stop button	●
Speaker	●
Ambient lamp	●
Bumper strip	●

Function configurations

Basic functions	●
Wi-Fi roaming	●
Automatic charging	●
Shelf recognition	●
Spin function	●
Precise positioning with QR code	○
QR code navigation	○
Laser reflector navigation	○

Certifications

UN38.3	●
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Dimension (mm)

