

Scan to Follow



Load Type



## Laser SLAM Rotary Lifting Robot

# SJV-SW600

Powerful Performance, Unmatched Value for Money



### Dual Laser: Double the Reliability and Safety

Equipped with advanced navigation laser at the front and obstacle avoidance laser at the rear, our robot ensures a safety operation experience like never before.



### Spin Function: Flexibility for Pick-up, Drop-off and Handling

The AMR body and lifting plate can rotate separately, it effortlessly navigates in tight spaces, such as narrow aisles and densely packed shelves.



### 3 Types of Navigation, High Precision Up to ±5 mm

Positioning accuracy can reach ±5 mm. Supports multiple navigation method, such as SLAM, QR code and laser reflector. It adapts to various scenarios with the perfect navigation solution.



### Effortlessly Handle 600 kg: Conquer Heavy Lifting with Ease

With a remarkable load capacity of 600 kg, our compact-sized robot effortlessly tackles various transportation needs of different scenarios, from e-commerce sorting to material handling and even call feeding.



### Unmatched speed and efficiency at 2 m/s

Maximum running speed of 1.5 m/s when fully loaded, and 2 m/s when unloaded.



## Parameter Specification

● Standard ○ Optional



### Basic parameters

Product name	Laser SLAM Rotary Lifting Robot
Navigation type	Laser SLAM
L x W x H	950 x 650 x 250 mm
Rotation diameter	1015 mm
Weight (with battery)	170 kg
Maximum load capacity	600 kg
Chassis ground clearance	25 mm
Lifting platform dimensions	850 x 650 mm
Maximum lifting height	60±2 mm
Navigation laser scanning height	194 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	790 mm
Navigation position accuracy	±5 mm
Navigation angle accuracy	±0.5°
Driving speed	≤1.5 m/s

### Battery parameters

Battery specifications	48 V / 24 Ah (lithium iron phosphate)
Comprehensive battery life	8 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	○

## Dimension (mm)

