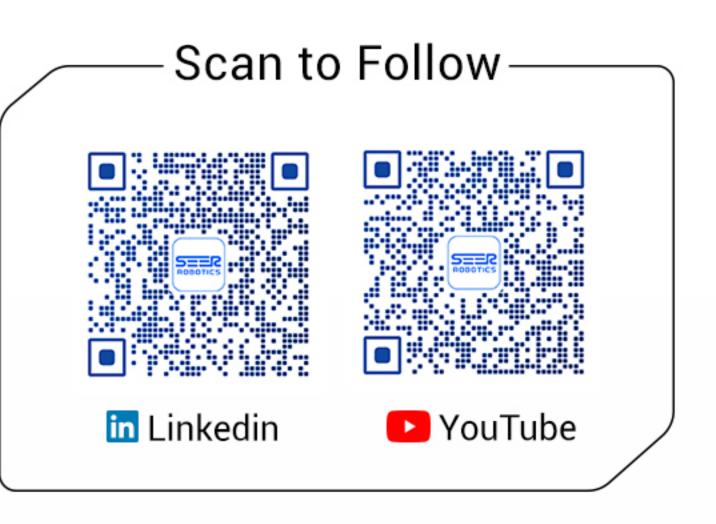


Load Type





## Laser SLAM Rotary Lifting Robot

# SJV-SW600

Powerful Performance, Unmatched Valur 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.



## 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.



## 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.



## 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.



#### 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.



#### **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 diameter1015 mmWeight (with battery)170 kgMaximum load capacity600 kgChassis ground clearance25 mm

Lifting platform dimensions850 x 650 mmMaximum lifting height60±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 width790 mmNavigation position accuracy±5 mmNavigation 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)

