



Load type



Laser SLAM Rotary Lifting Robot

SJV-CSK04-KJ

400 kg Spin Lifting, Ultimate Cost-effectiveness



400 kg Spin Lifting, Accuracy up to ± 5 mm

400 kg lifting capacity with spin function, covering all types of handling needs. Featuring a minimal turning diameter of just 840 mm, it navigates tightly packed aisles with ease. Fast-charging to 80% in just 60 minutes, it delivers 8 hours of uninterrupted performance.



Hybrid Navigation, Flexible Selection

Supports SLAM, QR code, and reflector navigation. Tailor navigation solutions according to specific scene requirements.



Enhanced Safety with Dual Laser +3D Camera

Achieve complete 360° protection with dual laser configuration. The front section supports optional 3D camera components for pit detection, obstacle recognition, ensuring safe traversal. Equipped with front and rear contact bumper strips for immediate halt upon impact.



Compact Size, Powerful Performance

The compact size caters to various needs like e-commerce sorting, material transportation, and call-for-delivery scenarios. With a 400 kg payload capacity, it's your solution for diverse handling load demands.



Faster and More Efficient

Faster and More Efficient. With a maximum speed of 1.5 m/s under full load and 2 m/s when unloaded, it ensures higher operational efficiency.

Parameter Specification

● Standard ○ Optional

Basic parameters

Product name	Laser SLAM Rotary Lifting Robot
Navigation type	Laser SLAM
L x W x H	810 x 545 x 280 mm
Rotation diameter	840 mm
Weight (with battery)	130 kg
Maximum load capacity	400 kg
Chassis ground clearance	25 mm
Lifting platform dimensions	750 x 545 mm
Maximum lifting height	60±2 mm
Navigation laser scanning height	200.5 mm
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	685 mm
Navigation position accuracy	±5 mm
Navigation angle accuracy	±0.5°
Driving speed	≤1.5 m/s

Battery parameters

Battery specifications	51.2 V / 20 Ah (lithium iron phosphate)
Comprehensive battery life	8 h
Charging time (10% to 80%)	≤1 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)

