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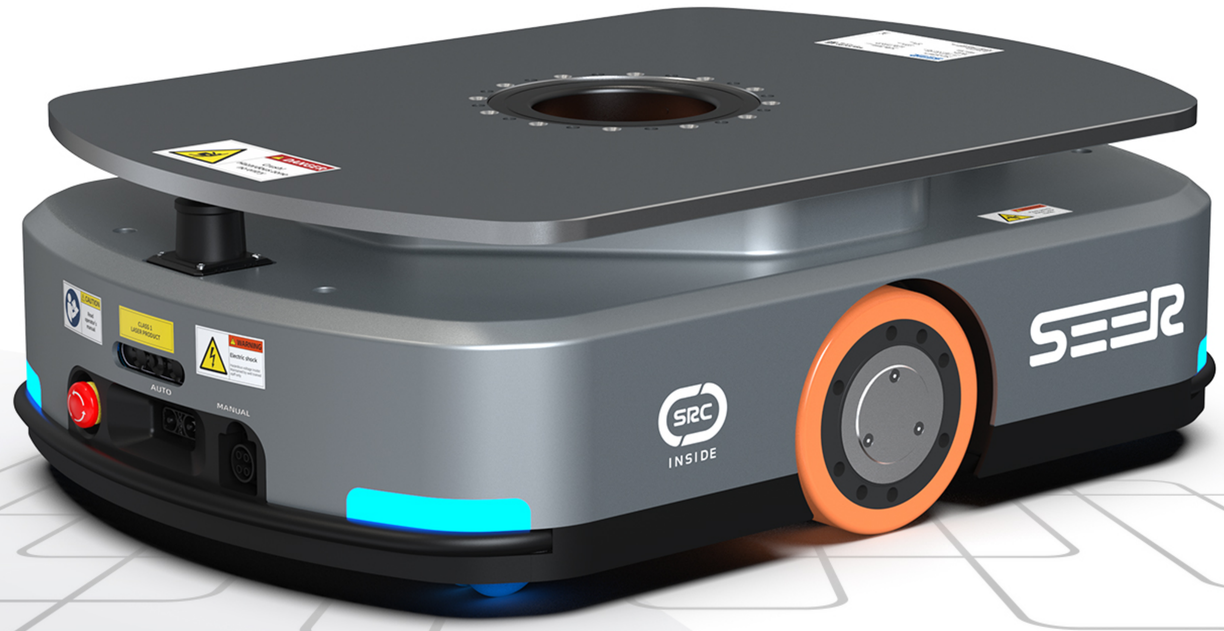

Laser SLAM Lifting Robot

SJV-CSL04-KJ

Compact and Agile, Ultimate Cost-effectiveness

400 kg Lifting Capacity, Accuracy up to ±5 mm

400 kg lifting capacity, covering all types of handling needs. With a profile height of just 250 mm, it offers superior adaptability to racks of varying heights. Fast charging to 80% in just 60 minutes, ensuring reliable 8-hour operations.

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.

Versatile Rack Recognition

Capable of identifying various types of shelves and drill into to lift racks, fulfilling recognition needs across diverse industries and rack types, with enhanced versatility.

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.

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Parameter Specification

● Standard ○ Optional

Basic parameters

Product name	Laser SLAM Lifting Robot
Navigation type	Laser SLAM
L x W x H	810 x 545 x 250 mm
Rotation diameter	840 mm
Weight (with battery)	120 kg
Maximum load capacity	400 kg
Chassis ground clearance	25 mm
Lifting platform dimensions	750 x 540 mm
Maximum lifting height	60±2 mm
Navigation laser scanning height	200.5 mm
Ambient tempetarure and humidity range	TEMP: 0℃ to 50℃ / 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	●
Precise positioning with QR code	○
QR code navigation	○
Laser reflector navigation	○

Dimension (mm)