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Laser SLAM Cleaning Robot **SCL-AWG50**

Industrial Scenarios, Compact and Agile,
Exceptional Cleaning Power



Intelligent Management

The cleaning robot, perfectly integrated with our dispatching system (RDS), demonstrates a deep comprehension of industrial scenarios.



1-Hour Rapid Charge

Powered by a robust 24 V / 50 Ah lithium battery, the robot is capable of reaching full charge in a swift one-hour span.



Enhanced Safety

With a combination of 3D camera and laser sensors, the robot can dynamically recognize obstacles, instant stop, avoid obstacles and prevent falling.



Experience Full Autonomy

Designed to autonomously complete recharging, fresh water refill, and wastewater discharge tasks.



Superior Ground Adaptability

Equipped with a high-powered motor, it can effortlessly conquer 8° slopes.



Compact and Agile

With a minimum aisle width of 900 mm, mopping width of 500 mm, and dust pushing width of 670 mm, our cleaning robot ensures maximal efficiency in a compact size.

Parameter Specification



Basic parameters

Product name	Laser SLAM Cleaning Robot
Navigation type	Laser SLAM
L x W x H	900 x 676 x 1080 mm
Weight	140±10 kg
Clean water tank capacity	34 L
Dirty water tank capacity	34 L
Network	Ethernet / Wi-Fi
Noise	< 70 dB(A)
Suitable scenarios and ground	Tile floor, cement floor, stone floor, terrazzo floor, epoxy floor

Performance parameters

Minimum aisle width	900 mm
Cleaning width	500 mm
Cleaning efficiency	Up to 1800 m²/h
Driving speed	3.6 km/h
Cleaning distance along the edge	10 cm to 20 cm
Maximum braking distance	< 20 cm (related to the ground material)
Passibility of slope	< 8°

Battery parameters

Battery specifications	24 V / 50 Ah (lithium iron phosphate)
Charging time	1 h
Comprehensive battery life	Dust push: 8 h to 10 h / Mopping: 2 h to 4 h

Dimension (mm)

