



Laser SLAM Safety Jacking Robot **SLR-600UL/EU**

Compact Size, Heavy Load, Long Endurance, Ultra-Safe



UL/CE Certification, Safety Assurance

The robot complies with UL (UL 583:2023) safety certification or CE certified (ISO 3691-4:2023) and other relevant standards, ensuring safer operation.



Multi-Sensor, 360° Safety Protection

Integrated safety obstacle-avoidance laser, 3D obstacle cameras, safety bumpers, and photoelectric sensors provide comprehensive 360° safety coverage.



Hybrid Navigation Options, ±5 mm Precision

Supports SLAM, QR code, reflective plate, and 2D NFL navigation, allowing flexible adaptation to different scenarios. Achieves ±5 mm repeated positioning accuracy for precise and efficient handling.



Compact Design, 600 KG Load Capacity

With a width of only 720 mm and a load capacity of 600 kg, it supports optional rotation configurations.



Extended Battery Life

1-hour charging enables 8 hours of continuous operation.

● standard ○ optional



Product model		SLR-600UL/EU
Certifications		CE/UL
Basic parameters	Navigation type	Laser SLAM
	Rated load capacity	600 kg
	Wheelbase	781.5 mm
	Weight (with battery)	260 kg
	Standard lifting height	60 mm
	Navigation laser scanning height	205 mm
	L x W x H	1120 x 720 x 250mm
	Minimum turning radius	630 mm
	Braking method	Electromagnetic brake
	Drive control mode	Servo control
Ambient temperature and humidity range		TEMP: 0°C to 50°C / RH: 10% to 90%, no compression, no condensation
IP rating		IP20
Performance parameters	Driving speed: full load / no load	1.5 m/s
	Lifting speed: full load / no load	6 mm/s
	Lowering speed: full load / no load	6 mm/s
	Passability(slope / step / gap)	< 5% / 5 mm / 30 mm
	Navigation position accuracy	±5 mm
	Navigation angle accuracy	±1°
Battery parameters	Battery specifications	24 V / 45 Ah *2
	Comprehensive battery life	8 h
	Charging time (10% to 80%)	1 h
Function configurations	Lidar number	2pcs (SICK HV)
	Wi-Fi roaming	●
	3D obstacle avoidance	○
	Pallet recognition	○
	Remote emergency stop	○
Safety configurations	Emergency stop button / E-stop button	●
	Braking distance: 1 m/s / 1.5m/s	≤30 cm / ≤50 cm
	Vehicle hardware fault detection	●
	360° laser protection	●
	Bumper strip	●

