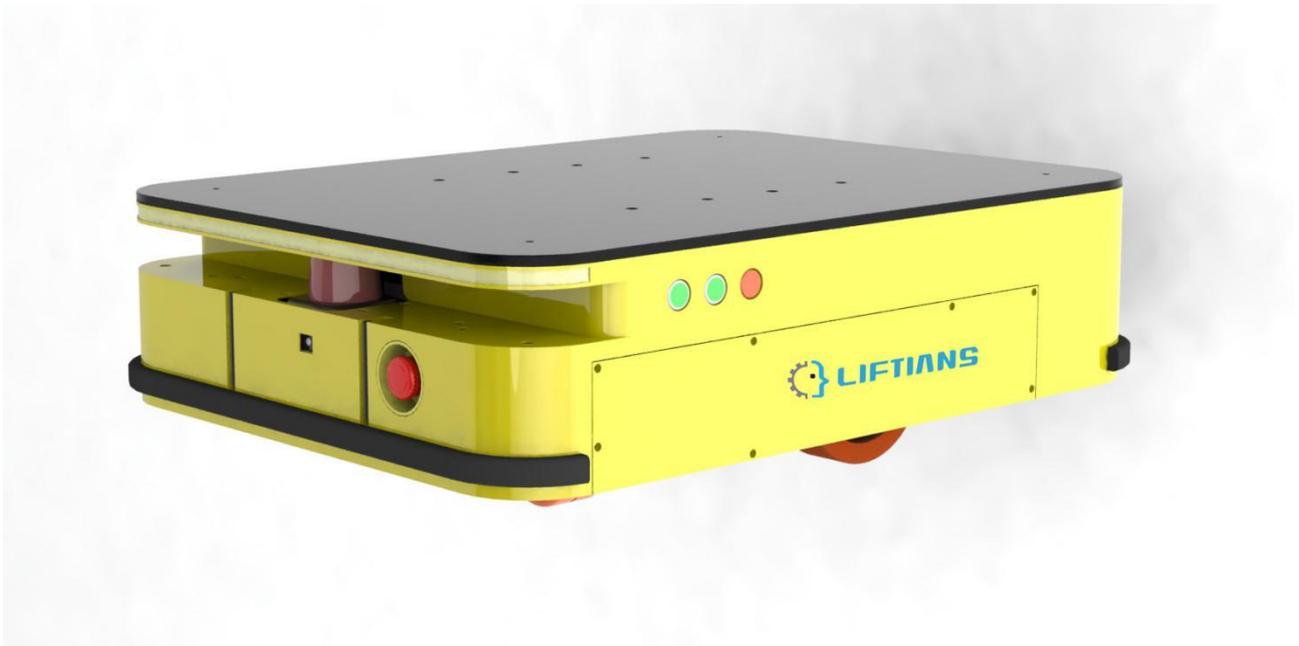




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Under Ride Lifting Robot LJ600S

INS + Lidar SLAM navigation + Load capacity 600kg



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Product Features

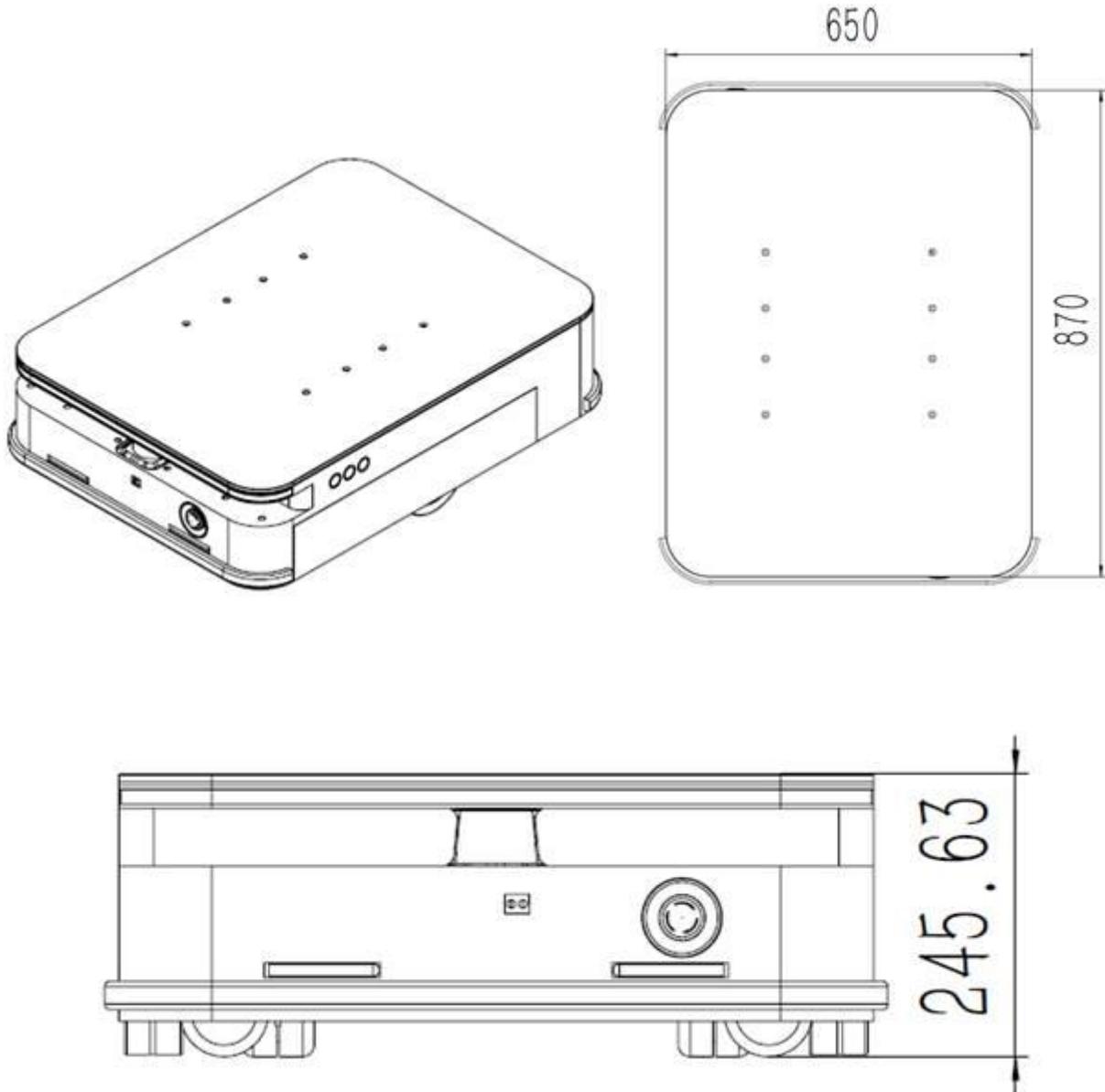
1. LJ600S latent jacking handling AGV is a laser slam navigation and handling robot independently developed by Liftians Robotics.
2. Product height is only 250mm, more suitable for low space. And for scissors fork jacking mode, jacking speed is faster.
3. Equipped with laser slam + inertial navigation, the positioning accuracy can reach ± 10 mm. Convenient deployment, flexible route and flexible obstacle avoidance.
4. The loading capacity is 600kg, and the top plate provides expansion holes. The upper device can be customized according to the actual needs of users.
5. Stable and efficient operation of the product, no-load operation speed up to 2m/s
6. Intelligent power management: preset multi-level power threshold, and charge autonomously below the threshold.
7. Cluster scheduling in the robot control system allows viewing work status, charge level, location and other information of all robots at the same time, and all devices may be scheduled through this.
8. Robots are equipped with lidar safety barrier avoidance, front contact anti-collision bar, left and right emergency stop buttons, and multiple mechanisms to ensure equipment and cargo safety.



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Dimensions





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Specifications

Basic Specifications	Name	Latent jacking AGV
	Model	LJ600S
	load (kg)	600KG
	Self-weight (kg)	200(±10KG)
	Positioning accuracy (mm)	+ 10mm
	Lifting height (mm)	60mm
	Dimension (L * w * h) mm	870 * 650 * 250mm (excluding anti-collision strip)
	Lifting mode	Jack up of connecting rod
	Navigation mode	Laser slam navigation
Performance	Driving mode	Servo motor / two-wheel differential drive
	control mode	Manual / automatic
	Form of motion	Horizontal linear motion
	No load maximum speed	2m/s
	Jacking time	< 5S
	Orientation accuracy	±0.5°
Battery	Driving voltage (V)	DC48V
	Battery capacity	30AH
	Battery type	lithium battery
	Battery life	800 cycles, capacity ≥ 80%
	Endurance time	More than 8h
	Charging time	≤1.5h
	Charging mode (optional)	Off line charging / automatic charging
Safety and Protection	Anti-collision mode	Lidar obstacle avoidance
		Ultrasonic obstacle avoidance / infrared obstacle avoidance (optional)
		Front and rear crash strips to avoid obstacles
	Emergency stop	Front and rear emergency stop buttons

Application Scenarios



Usage and Precautions

1. Only use Liftians chargers
2. Prohibit unauthorized personnel around the work area
3. In case of abnormal noise / vibration / errant response, immediately stop using and notify Liftians for repair
4. The charging system shall be placed in a dry / ventilated / dust-free environment