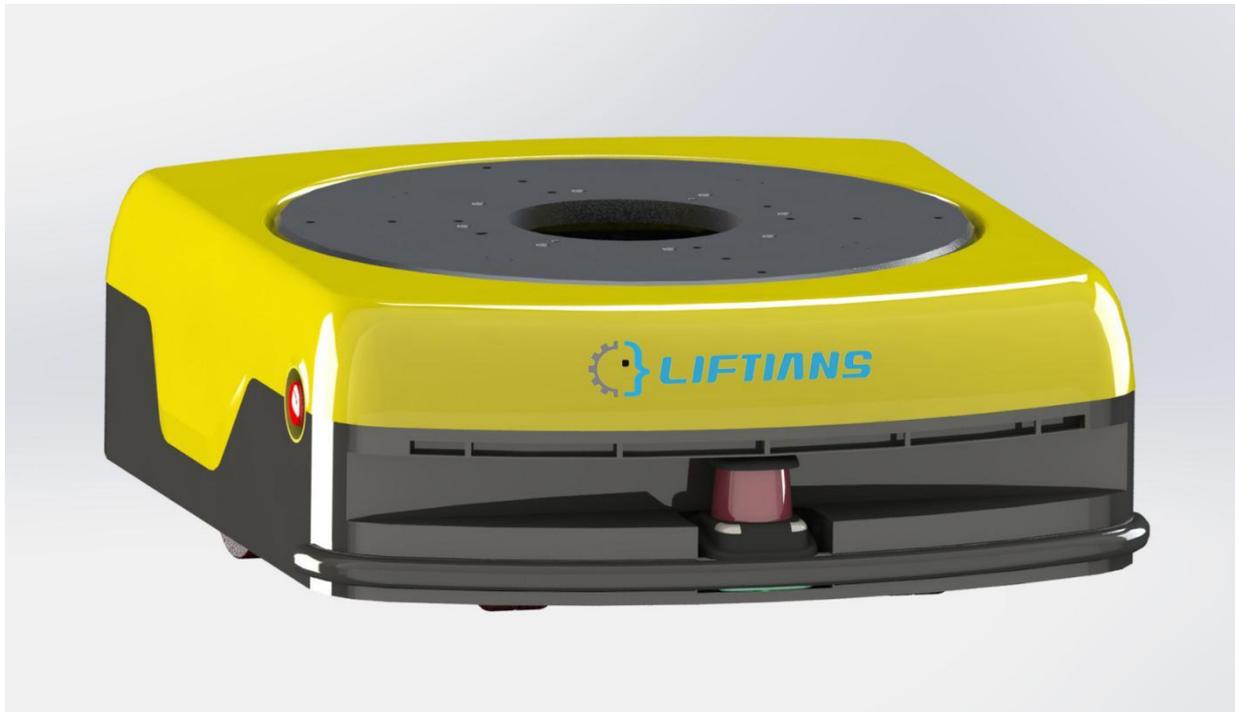




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Latent Lifting Robot LL500

Lidar + QR Code Navigation + load capacity 500Kg



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Product Features

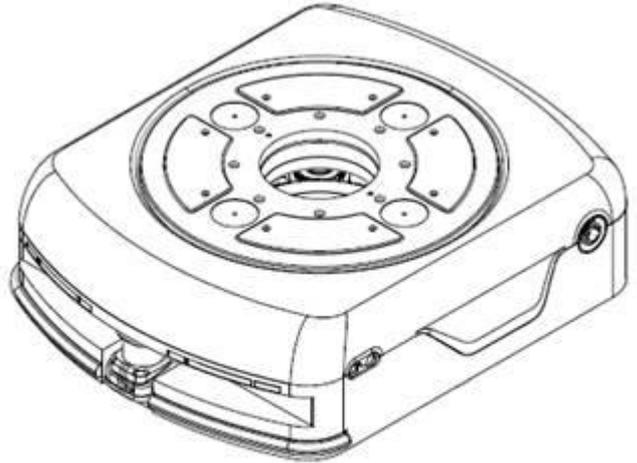
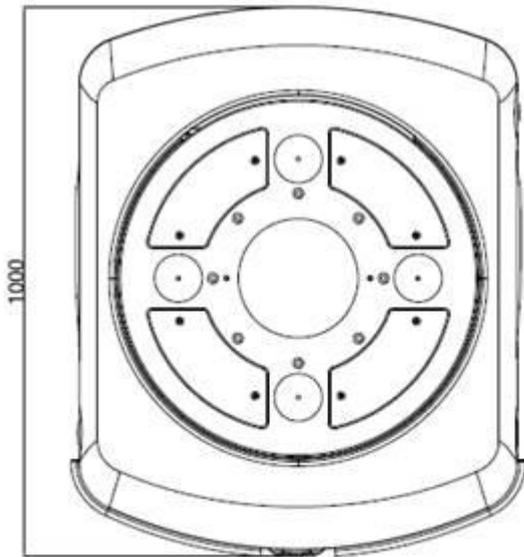
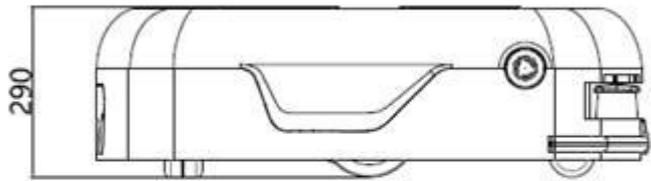
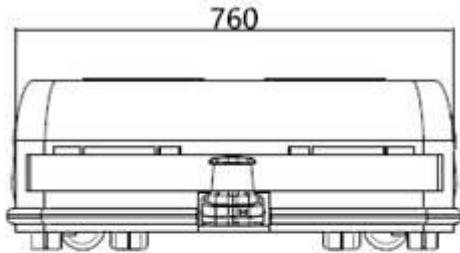
1. The QR code autonomous navigation mode is adopted for rapid deployment. The equipment only needs to scan the environment to build a map and achieve an accurate positioning of ± 10 mm.
2. The load weight can be up to 500kg, and most of the goods is transported by jacking & rotating.
3. The equipment adopts the modular design of the whole machine, which makes assembly and maintenance more convenient.
4. The battery can last for more than 8 hours with a full load, and the robot can automatically charge with low power (can be set per customer's requirements).
5. 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.
6. 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.
7. With automatic path planning & realized unmanned operation, your staff only need to give instructions through the control terminal.



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Dimensions





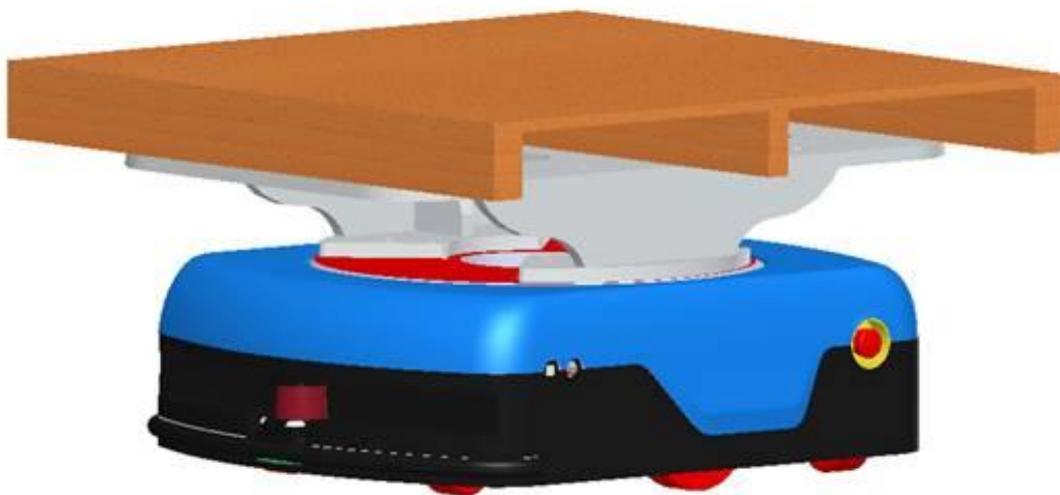
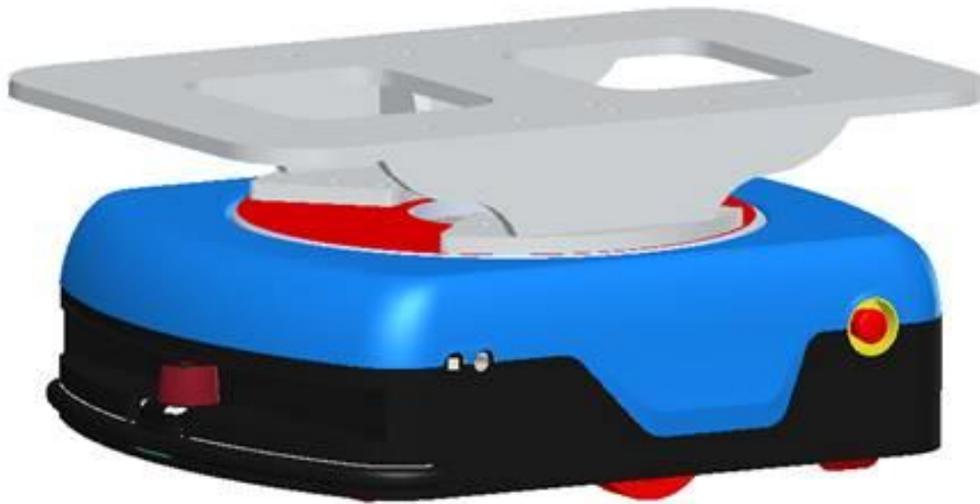
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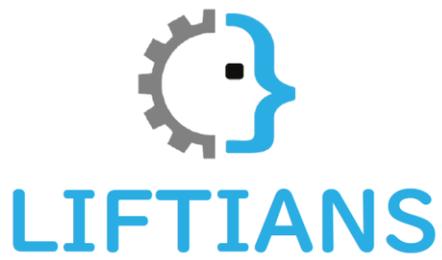
Specifications

Basic Specifications	Model	LL500
	Name	Latent lifting robot
	Dead weight	200KG (±5KG)
	Load weight	500KG
	length, width and height	1000× 760 × 290 mm
	Jacking height	60mm
	Navigation mode	Inertia + QR Code
Performance	Driving mode	Servo motor, two wheel differential drive
	positioning accuracy	+ 10mm
	Maximum running speed (no load)	1.7m/s
	Operating speed (full load)	0.8m/s
	Charging mode	Automatic charging / offline charging optional
	Endurance time	≥ 8H
Battery	Battery type	Lithium battery 48V
	Battery capacity	40AH
	Charging time	1.5~2H
	Battery life	1500 cycles, capacity ≥ 80%
Safety Protection and Support	Obstacle avoidance	Lidar obstacle avoidance, contact anti-collision strip
	Audible and visual alarm	Support
	Emergency stop switch	Support, one on each side
	Communication mode	WiFi
	Debug interface	Interface is open

Extended Applications

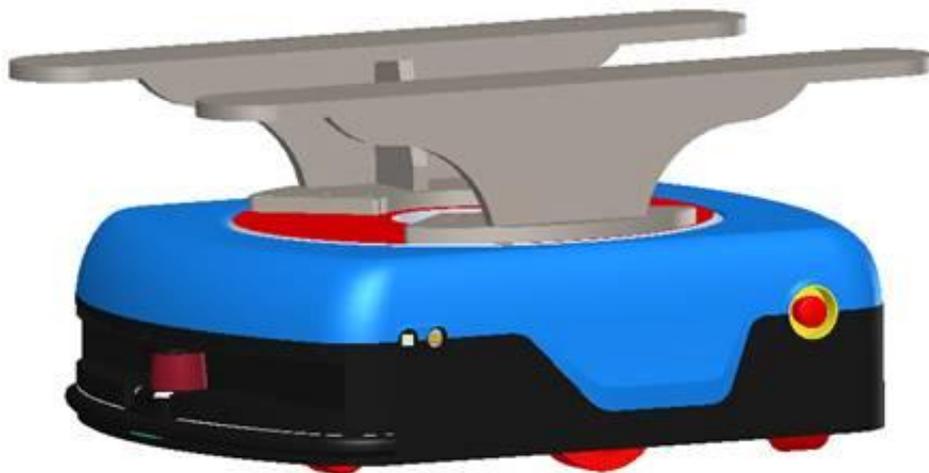
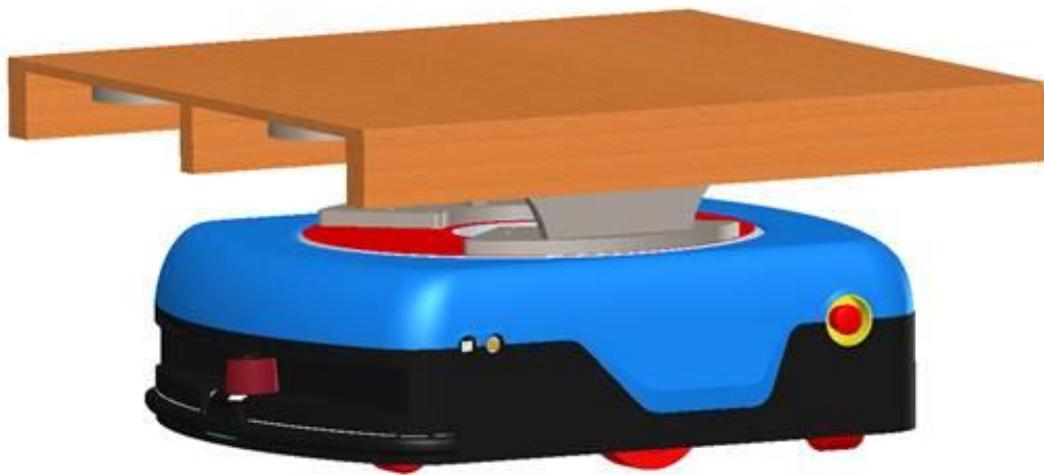
Form 1:





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Form 2:





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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