



Under Drive Lifting Robot W500SL

INS + LiDAR SLAM Navigation + 500kg load

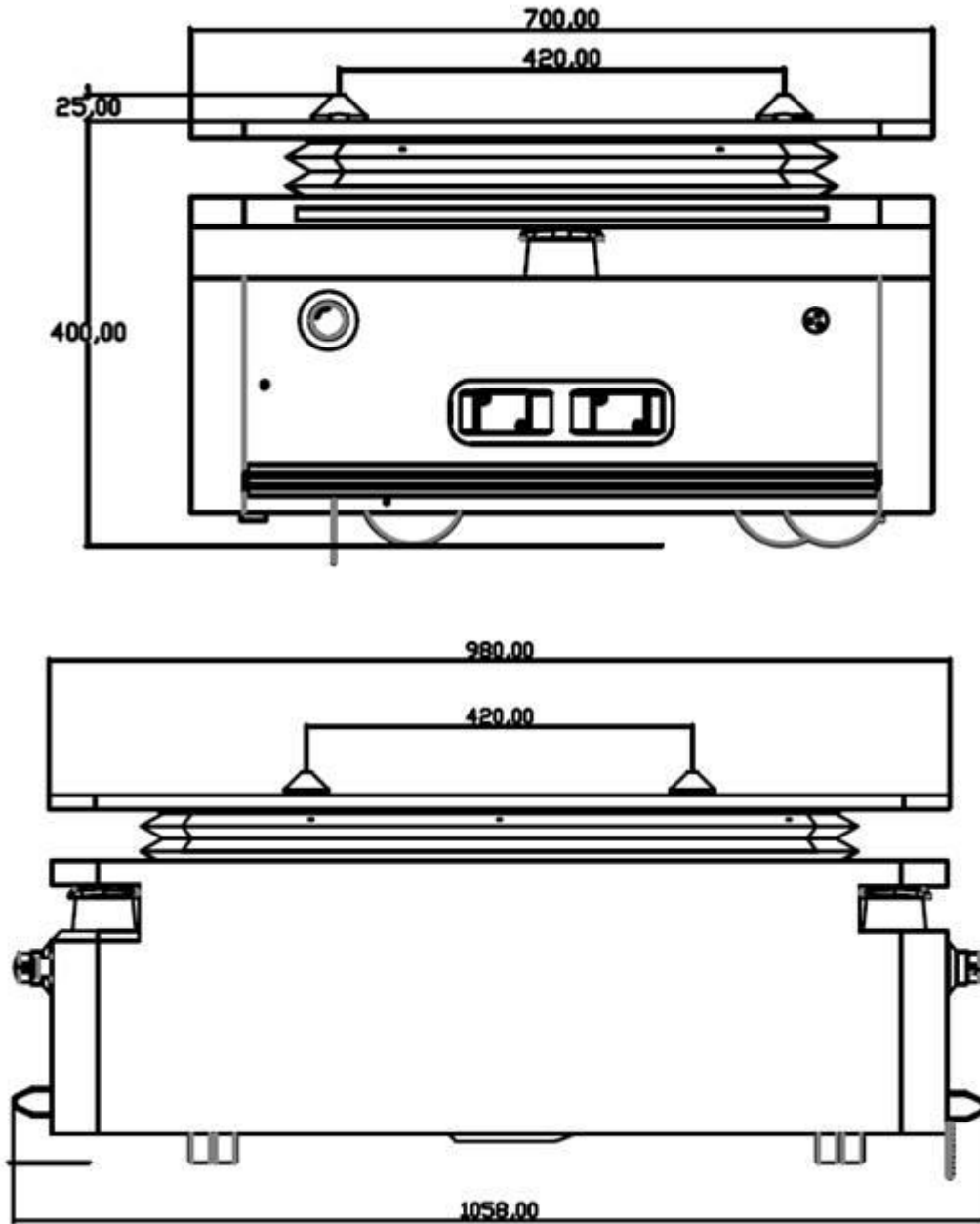


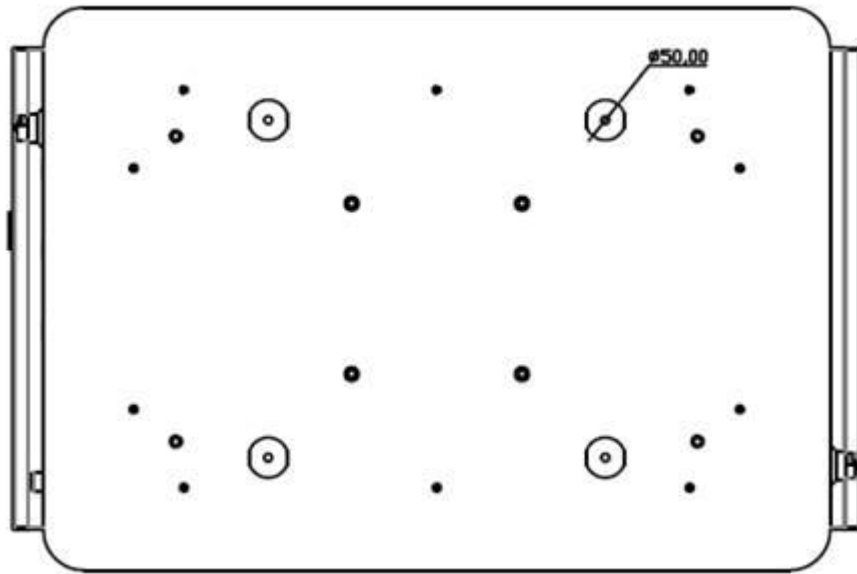
Product feature

1. W500SL latent Lifting AGV is a LiDAR SLAM navigation and handling robot independently developed by Wellwit Robotics.
2. Equipped with LiDAR SLAM + inertial navigation, convenient deployment, flexible route and flexible obstacle avoidance.
3. The carrying capacity is 500kg
4. Intelligent power management: preset multi-level power threshold, and charge autonomously if it is lower than the threshold.
5. The product is based on LiDAR SLAM navigation, assisted by inertial navigation, with navigation accuracy of ± 10 mm
6. Cluster scheduling, in the robot control system, you can view the working status, electricity, location and other information of all robots at the same time. Dispatch and manage all equipment through the system.
7. Equipped with LiDAR to avoid obstacles, front and rear contact anti-collision strips, left and right emergency stop buttons to protect equipment and goods Safety.



Dimension







Specification

	Name	Latent lifting robot
Basic parameters	Model	W500SL
	Rated load (kg)	500KG
	Self-weight (kg)	220(±10KG)
	Positioning accuracy (mm)	±5mm
	Jacking height (mm)	60mm
	Dimension (L * w * h) mm	980 * 700 * 425mm (excluding anti-collision strip)
	Navigation mode	Single LiDAR SLAM navigation (Dual LiDAR is Optional)
performance	Driving mode	Double wheel differential drive
	Form of motion	Horizontal linear motion
	No load maximum speed	1.7m/s
	Full load operation speed	1m/s
	Jacking time	< 12s
	Orientation accuracy	±0.5°
Battery	Driving voltage (V)	DC48V
	Battery capacity	40AH
	Battery type	Lithium iron phosphate
	Battery life	1500 cycles, capacity ≥ 80%
	Endurance time	≥ 8h
	Charging time	≤ 1.5h
	Charging mode (optional)	Off line charging / automatic charging
safety protection	Anti collision mode	Front and rear lidar obstacle avoidance
		Front and rear anti-crash strips to avoid obstacles
	Emergency stop	Front and rear emergency stop buttons



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