

AMR-NT04

Autonomous Mobile Robot

NOBLELIFT

诺力物流机器人



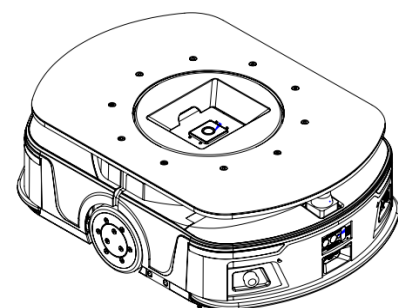
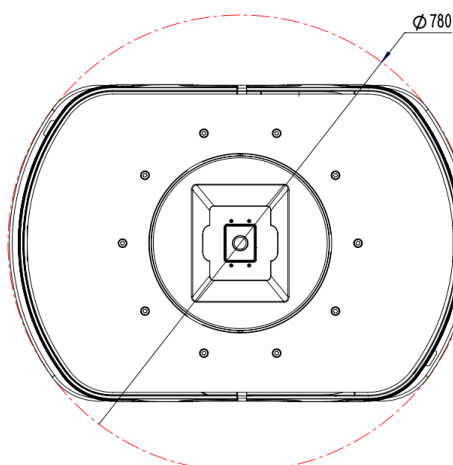
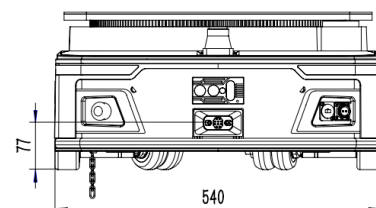
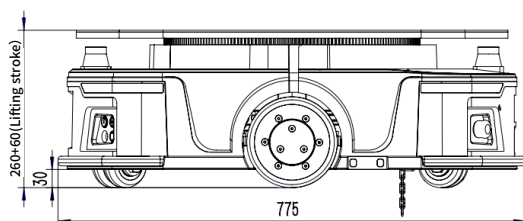
Product Advantages

- **Easy Deployment:** Utilizes laser SLAM-based autonomous positioning and navigation, requiring no markers and no on-site modifications for easier deployment.
- **Flexible Customization:** Supports integration of various business units such as roller conveyors and back-carrying based on standard chassis modules, enabling rapid customization.
- **Cross-Region Application:** Connects and integrates with on-site systems such as doors and elevators through physical or network interfaces to enable cross-region applications.
- **Self-Developed Core:** Employs independently developed main control and functional modules, offering high integration and excellent stability.
- **Efficiency & Productivity Improvement:** Supports multiple autonomous charging methods, including scheduled charging and low-battery auto return.

Applications

- Provides flexible material transport and loading/unloading solutions for manufacturing facilities.
- Suitable for the handling of materials and containers in industries such as 3C, semiconductor, photovoltaic, and pharmaceutical.
- Applicable for warehouse receiving, sorting, consolidation, and other similar scenarios.

Product three-views drawing



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Technical Parameters

Product Model		AMR-NT04
Basic parameters	Overall dimensions	775L*540W*260Hmm
	Service weight	90kg
	Rotating diameter	Φ780mm
Operating capability	Lifting height	60 mm
	Lifting rated load	400 kg
	Rated traction load	Not supported
	※Cargo fixing and vehicle rotating	●
Safety protection	Scope of protection	360° omni-directional without blind angle, including body and carrying shelf
	Protective measures	Three-level collision avoidance: Deceleration, slow stop and emergency brake
	Laser obstacle avoidance	Full coverage of front and rear double lasers at 360°
	Safety edge stop	All-round protection
	Emergency stop button	Can be operated with a one-handed reach around the body
	Audible and visible alarm	Light indication + voice prompt
	※Visual obstacle avoidance	●
Movement performance	Driving mode	Two-wheel differential
	Navigation mode	Natural Navigation
	Walking mode	Back and forth two-way, in-situ rotation, left and right turning
	Walking speed	0~2.0m/s
	Navigation accuracy	±10mm
	Docking accuracy	±5mm
Battery	Battery type	Lithium iron phosphate
	Battery specification	48V 21AH
	Battery Runtime	≥ 8 h
	Charge mode	Autonomous charging + manual charging
	Charge time	≤1.5 h
	Battery life	2000 cycles
Man-machine interaction	LCD screen	●
	Light indication	Including body status, fault alarm, battery power and other indicators
	Sound prompt	Including steering, alarm prompt, playing of music and other prompts
	Button operation	Emergency/Power/Operation
	Expansion port	RJ45 100M
Application environment	Application environment	Indoor
	Ambient temperature	0~40 °C
	Ambient humidity	10~90%RH, no condensation
	Pavement gradient	≤ 5% / 3°
	Gap width	≤ 20 mm
	Air environment	Free of dust, flammable, explosive and corrosive gases
	Network communication	WIFI/IEEE 802.11 a/b/g/n/ac, Seamless roaming support,5G Optional
	5 G network	○