

FLEXLEY MOVER

AMR P304



Maximum agility, flexibility and safety with our AMR P304.

Fast and efficient delivery of racks, carriers, pallets or boxes in confined spaces. Extremely flexible automation for your storage needs and changes in your busy warehouses.

AMR P304 is the perfect solution for Goods to Person (G2P) processes in Ecommerce, Logistics, Automotive or Manufacturing sectors. It can also perform hundreds of applications related to warehouse management, order picking and kitting.

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Agile

Excellent manoeuvrability, thanks to its omnidirectional technology, AMR P304 can rotate on the spot to change direction. With minimum dimensions, its agility allows to reduce the number of vehicles per installation (-20% vs differential AMRs). Increase your productivity thanks to its high speed.

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Collaborative

Safe and reliable interactions with operators and connected elements (robotic cells, layer pickers, wrapping machines, automatic warehouses).

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Safe

360° protection. Our AMR P304 has a robust safety architecture which guarantees smooth operations even in a busy environment: 2 safety lasers provide full coverage of the horizontal vehicle's perimeter, safety PLC, safety counting and many others.

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Intelligent

Manage hundreds of locations thanks to its multi-origin and multi-destination capabilities. Smart QR code/RFID reader system.

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Navigation System

State-of-the-art navigation technology through QR codes, which provides maximum flexibility at a low cost with minimal maintenance requirements.

Maximum payload	600 kg
Lifting height	120 mm stroke
Dimensions (L×W×H)	1202 × 780 × 352 mm
Movement	Omnidirectional
Navigation system	QR codes
Speed range	From 0.05 to 2 m/s
Turning radius	0 mm (turn on the spot)
Positioning accuracy	Up to ± 10 mm / 1.5°
Manual movement	Control Pad Wireless remote control Wired remote control
Battery	Li-Ion 48 V 40 Ah
Charging system	Online charging system (brushes)
Environment	Indoor
Safety systems	2 × Safety PLC 2 × Safety laser for indoor environment 2 × Emergency stop button
Optional elements	Camera for rack detection
Handling system	Lifting table
Fleet management system	SIGAT 120
Communication	WiFi Radio frequency system M2M
Connectivity	2 × USB, Ethernet, IoT Through IT: ERP, MRP, MES, DDBB interface Industrial connectivity: OPC, wired connections

