

FLEXLEY MOVER

AMR P103



Optimize workplace, workflows, and cost with our AMR for light loads.

AMR P103 provides a high quality and reliable automation solution. Thanks to its cutting edge technologies and advanced SLAM-Natural navigation, this mobile robot allows total flexibility, dynamic planning, quick installation and safe interaction with operators and changing environments.

With a configurable lifting function, AMR P103 can deliver small load carriers at different heights on active or passive conveyor stations. It can automatically transport euro containers, trays or customized boxes of up to 50 kg payload.

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Flexible

Easy and quick setup, installation and modifications.

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Collaborative

Fully equipped to assure safe and reliable interactions with operators and to communicate with connected elements of your plant.

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Adaptable

Projects are easily scalable, with no infrastructure change needed. AMR P103 is configurable with different handling systems to adapt to your existing equipment.

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Innovative

State-of-the-art navigation technology through SLAM-Natural navigation, which provides obstacle avoidance and maximum flexibility at a low cost with minimal maintenance requirements. AMR P103 can rotate on the spot to change direction, saving space and time.

Maximum payload	50 kg
Transfer height	440-1100 mm
Load size	Single Euro containers 600 × 400 mm 400 × 300 mm
Dimensions (L×W×H)	734 × 630 × 1515 mm
Movement	Bidirectional
Navigation system	SLAM-Natural navigation with free planning
Speed range	Forward: From 0.1 to 1.2 m/s Backward: From 0.1 to 0.3 m/s
Turning diameter	800 mm (Turn on the spot)
Positioning accuracy	Up to ± 10 mm / 1°
Manual movement	Control pad
Battery	Li-Ion 24V 40 Ah
Charging system	Online charging system (brushes)
Environment	Indoor
Safety systems	1 × Safety PLC 1 × Safety laser 2 × Emergency stop button
Optional elements	Side scanner Back scanner Bluespot Barcode scanner
Handling system	Conveyor (belt/roller/telescopic)
Fleet management system	AGV Interface Controller (AIC)
Communication	WiFi
Connectivity	2 × USB, Ethernet Through IT: ERP, MRP, MES, WMS, DDBB interface Industrial connectivity: OPC

