

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.

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| 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 |

