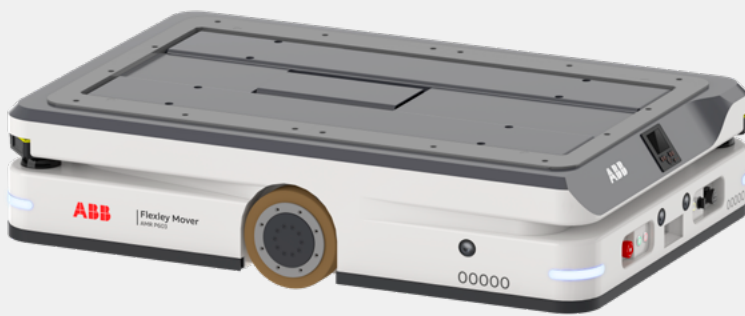


FLEXLEY MOVER

AMR P603



Revolutionize your logistics with our powerful platform AMR that combines AI navigation and modular versatility.

Built to transport loads of up to 1,500 kg, this compact and adaptable solution brings intelligence, safety, and performance together in one robust unit.

AI-powered Visual SLAM and a bidirectional differential drive ensure precise and efficient navigation across dynamic spaces. Ideal for end-of-line handling, goods-to-robot, line supply, interprocess connection and kitting workflows, AMR P603 easily adapts to diverse load types and processes.

With easy integration of top modules and a modular architecture, it's a smart choice for distributors and integrators seeking flexible and effortless automation.

AI-driven navigation

Visual SLAM technology offers market-leading accuracy of $\pm 5\text{mm}$, ensuring precise and reliable navigation.

Easy top module integration

Modular design supports rapid integration of custom top modules and fast setup through a no-code interface, making it the perfect solution for diverse handling needs.

Compact design

Low profile and reduced footprint allow for precise maneuvering and smooth operation in tight or crowded spaces.

Load center of gravity monitoring

Smart load monitoring tracks the center of gravity and weight to maintain stability and adjust movements, guaranteeing safe transports.

Maximum payload	1500 kg
Lifting height	160 mm stroke
Dimensions (L×W×H)	1285 x 835 x 300 mm*
Movement	Bidirectional (Differential)
Navigation system	Visual SLAM (predefined virtual path)
Speed range	From 0.05 to 2 m/s**
Turning radius	0 (Turn on spot)
Positioning accuracy	±5 mm***
Manual movement	Control pad Wireless remote control External tool - optional
Battery	Li-Ion 48V 20/40Ah
Charging system	Online charging system (brushes) Portable charger
Environment	Indoor
Safety systems	1 x Safety PLC 2 x Safety Laser for indoor environment 2 x Emergency stop button
Optional elements	Lifting System Top module Standard Europallet Top module Standard Closed pallets EU/USA Forward Redspot Bumper
Handling system	Lifting table
Fleet management system	AMR Studio® Fleet Manager
Communication	WiFi Radio frequency system (EU)
Connectivity	1 × HMI, WiFi; USB & Ethernet Through IT: capture boxes, PLC interface (OPC), ERP, MES, WMS, tablets

* Without bumper option

** 1.5 m/s with max payload

*** Accuracy stop value depends on several parameters such as environment conditions, fleet size or camera occlusion, among others

