



BOXMOVER LINE

ProBOT F

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Optimize workplace, workflows, and cost with ProBOT AMRs for light loads.

Boxmover range provides a high quality and reliable automation solution. Thanks to its cutting edge technologies and advanced SLAM-Natural navigation, these mobile robots allow total flexibility, dynamic planning, quick installation and safe interaction with operators and changing environments.

ProBOT F has been developed to transport loads on trolleys directly from the floor -no transfer stations nor conveyors required. It can carry different types of single or stacked euro containers up to 300 kg, which reduces the number of transportations and saves time.

- **FLEXIBLE:** Easy and quick setup, installation and modifications.
- **COLLABORATIVE:** Fully equipped to assure safe and reliable interactions with operators and to communicate with connected elements of your plant.
- **ADAPTABLE:** Projects are easily scalable, with no infrastructure change needed. ProBOT F is configurable with different handling systems to adapt to your existing equipment.
- **INNOVATIVE:** State-of-the-art navigation technology through SLAM-Natural navigation, which provides maximum flexibility at a low cost with minimal maintenance requirements. ProBOT F can rotate on the spot to change direction, saving space and time.



Maximum payload	300 kg
Lifting height	80-130 mm
Load size	Trolleys or roll cage trolleys 600 x 400 mm 400 x 300 mm 800 x 600 mm
Dimensions (LxWxH)	1030 x 500 x 1173 mm
Movement	Bidirectional
Navigation system	SLAM-Natural with predefined virtual path
Speed range	Forward: From 0.1 to 1.2 m/s Backward: From 0.1 to 0.3 m/s
Turning radius	1496 mm
Positioning accuracy	Up to ± 5 mm / 3°
Manual movement	Control pad
Battery	Li-Ion 24V 40 Ah
Charging system	Online charging system (brushes)
Environment	Indoor
Safety systems	1 x Safety PLC 1 x Safety laser 2 x Emergency stop button
Optional elements	Side scanner 360° scanner for localization Back scanner Side wall Customized forks Speakers
Handling system	Lifting platform
Fleet management system	AGV Interface Controller (AIC)
Communication	WiFi
Connectivity	2 x USB, Ethernet Through IT: ERP, MRP, MES, WMS, DDBB interface Industrial connectivity: OPC

