



BOXMOVER LINE

ProBOT P

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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.

Our ProBOT P provides a fully autonomous supply of materials between conveyors placed at the same height. It can carry different kind of boxes, Euro containers and trays with the same surface dimensions, single or stacked, up to 200 kg payload.

- **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 P 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 obstacle avoidance and maximum flexibility at a low cost with minimal maintenance requirements. ProBOT P can rotate on the spot to change direction, saving space and time.



Maximum payload	200 kg
Transfer height	460 mm (fixed)
Load size	Stacked Euro containers 600 x 400 mm 400 x 300 mm
Dimensions (LxWxH)	1020 x 937 x 1873 mm
Movement	Bidirectional
Navigation system	SLAM-Natural navigation with predefined virtual path or free planning
Speed range	Forward: From 0.1 to 1.2 m/s Backward: From 0.1 to 0.3 m/s
Turning radius	0 mm (Turn on the spot)
Positioning accuracy	Up to ± 5 mm / 3°
Manual movement	Control pad
Battery	Li-Ion 48V 18 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 Bluespot Triple eye (handshake) Speakers
Handling system	Conveyor (belt/roller)
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

