



Designed specifically for handling large payloads, this robot features high-speed movement and precise positioning capabilities. It is particularly suitable for logistics operations, enabling safe and efficient transportation of palletized loads. It is well-suited for use in high-volume warehouses and manufacturing facilities. Additionally, with its lifting and conveyor attachments, it provides a versatile solution for transporting different types of loads. It is designed to enhance operational efficiency while ensuring the safety of workers.



PHOBOS PX MOVER 500

PX MOVER 500

SPECIFICATIONS

General Specifications

Maximum Payload	500 kg
Maximum Speed	1.5 m/s
Positional Accuracy	± 50 mm linear, 3° angular
Dimensions	1300x900x300 mm
Weight	180 kg
Minimum Turning Radius	0 mm

Battery System

Battery	48 V – 40 Ah Lithium – Ion
Battery Run Time	6 hours
Battery Charging Current	25 A (max)
Charging Methods	Manual charging or automatic charging configurable with central fleet management system

Safety & Control

Sensory System	2 x Pilz PSENscan safety rated laser scanner 2 x Intel Realsense D435 Depth camera 2 x Drive Wheel Encoder Inertial Measurement Unit
Communication	WiFi (IEEE 802.11a/b/g/n compatible)
Emergency Stop	4 x Emergency Stop Button
Management of Safety and Auxiliary Modules	Pilz PNOZ mm0p safety relay

Input/Output

8 x Digital Input & 8 x Digital Output (For Extra Module Control)
4 x USB Input (Input for Peripheral Units)

Configuration

Dockable Carts
Lift with Linear Actuator or Hydraulic Lift, Top Conveyor Module