



The high payload capacity of this robot provides a significant advantage in industrial settings where heavy loads are extensively handled. Designed to lift and transport palletized loads, it can efficiently perform these operations with its high capacity. Its customizable structure can be adapted to provide the necessary strength and durability for handling even higher payloads. These features make it an ideal solution for customers seeking to carry out high-volume material transportation tasks in industrial facilities.



PX MOVER 1500

PX MOVER 1500

SPECIFICATIONS

General Specifications

Maximum Payload	1.500 kg
Maximum Speed	1.2 m/s
Positional Accuracy	± 50 mm linear, 3° angular
Dimensions	1650x1100x300 mm
Weight	300 kg
Minimum Turning Radius	0 mm

Battery System

Battery	48 V – 80 Ah Lithium – Ion
Battery Run Time	6 hours
Battery Charging Current	50 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