

End-to-End Automation

Prime Robotics is a dynamic and innovative manufacturer headquartered in Denver, Colorado. We are driven by our mission to deliver end-to-end robotic solutions that enable fully automated warehouse and fulfillment facilities.

At the core of our product portfolio is the Robotic Control Software (RCS), a powerful platform that enables a highly flexible and scalable range of technologies. Our offerings include AMRs, dynamic picking arms, high-density robotic storage systems, and a wide range of pick stations.

With our suite of robots and software solutions, you can achieve an unmatched return on investment (ROI). Our technologies save time and money at every level of your operation, allowing you to streamline processes, boost productivity, and optimize resource allocation. We are dedicated to helping you achieve operational excellence while driving success in your warehouse and fulfillment operations.

Prime Robotics is a leading provider of efficient and scalable solutions for Goods-to-Person (G2P) pick-and-pack workflow. Our innovative MobileShelf AMR and piece pick stations can deliver up to 350+ picks per hour while significantly improving order throughput and accuracy. It is the ideal solution for streamlining receiving, put away, picking, packing, and shipping operations in warehouse, e-commerce, and factory environments. Prime's G2P pick solution is a customizable intelligent, scalable, and flexible pick operation that saves time and money, enabling the expansion of future growth.



Integration

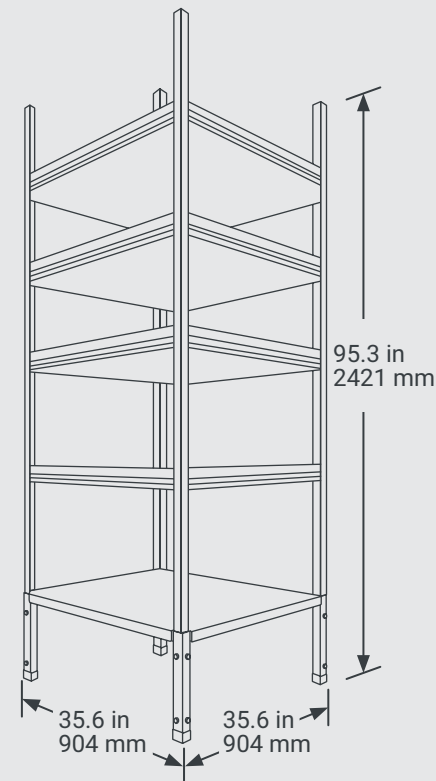
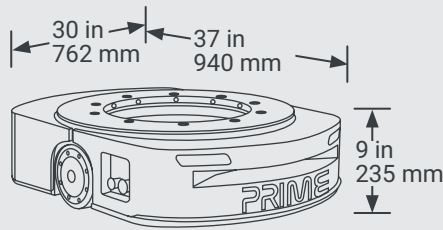
Highly customizable and user-friendly, Prime's automation platform provides an intelligent yet simple and scalable solution. Our solutions can seamlessly integrate with any Warehouse Management System (WMS), Enterprise Resource Planning (ERP), Programmable Logic Controller (PLC), or operations management software—making it easy to operate and highly adaptable to unique requirements.

Safety

At Prime, ensuring robot safety is a top priority. To guarantee a safe working environment, our Autonomous Mobile Robots (AMRs) are equipped with advanced safety and obstacle avoidance features such as LiDAR, bump bars, and emergency stop buttons. These features enable our robots to operate safely and efficiently, minimizing the risk of accidents and ensuring the safety of everyone in the work area.

MobileShelf™

Goods-to-Person (G2P) AMR



MobileShelf AMR Specifications

Model	MobileShelf (MS-1100)
Dimensions (LxWxH)	37 x 30 x 9 in. 940 x 762 x 228 mm
Vehicle Weight	463 lbs. 210 kg
Payload	1,100 lbs. 500 kg
Lift Height	2.4 in. 60 mm
Lift Speed	3.0 seconds
Max Speed	3 mph 1.3 m/s
Navigation	QR Code + IMU
Obstacle Avoidance	LiDAR
Position Accuracy	±10mm ±1°
Battery	48V/60Ah Lithium
Charging Method	Manual/Auto
Run Time	~10 hrs.
Charge Time	<2 hrs.
Operation Temperature	32-113 °F 0-45 °C

Shelf Specifications

Dimensions (LxWxH)	35.6 x 35.6 x 95.3 in. 904 x 904 x 2421 mm
Load Capacity (Each Layer)	220.5 lbs. 100 kg
Minimum Shelf Height	1.5 in. 37 mm
Bottom Shelf Height from Floor (Min)	9.8 in. 249 mm