PRIME robotics

Robotic Arm

Dynamic Picking and Palletizing Arm

Prime Robotics' dynamic picking and palletizing arm is a versatile, high-speed solution that fully integrates with our pallet-moving AMRs. The robotic arm builds up to eight pallets simultaneously and accelerates mixed-case picking. By reducing product touches and pick errors, the arm increases overall warehouse throughput and production capabilities.

Prime's robotic arm is the ideal solution for lifting, moving, and placing goods onto pallets:

- Picks up to 900 cases per hour
- Executes multi-SKU and mixed-case picking
- Interfaces with pallet-moving AMRs
- Offers integrated custom stack patterns



Integration

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

Safety

To guarantee a safe working environment, our AMRs are equipped with advanced safety and obstacle avoidance features, including LiDAR, bumpers, and emergency stop buttons. These features enable our robots to operate safely and efficiently, minimizing the risk of accidents and ensuring safety of human workers.

Integrated Warehouse Automation

Prime Robotics is a premier provider of end-to-end automation solutions tailored for distribution centers and warehouses.

Prime's suite of robot and execution software solutions transform fragmented workflows, empowering clients to unlock operational productivity and efficiency.

Committed to revolutionizing warehouse, supply chain, and factory operations, Prime strives to elevate businesses through best-in-class automation solutions and services.

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Robotic Arm Specifications

Model	Robotic Arm
Max Picks / Hour	900 Cases / Hour
Max Payload Capacity	290 lbs 130 kg
Max Reach	9.8 ft 2.99 m
Arm Tool	Universal Options
Weight	2,138 lbs 970 kg
Power Requirements	480V 3Phase
Safety	Safety Control, E-Stop, Custom Parameters, Laser Curtain