



A SYSTEMS IN MOTION COMPANY

EMERGING TECHNOLOGIES: SIM AUTONOMOUS MOBILE ROBOT V550

THE COMPLETE RESOURCE FOR ALL YOUR MATERIAL HANDLING NEEDS

Conveyor Solutions Inc. provides custom-designed systems for a broad range of industries, including manufacturing, food processing, pharmaceutical, packaging, printing, distribution, and warehousing.


OUR APPROACH

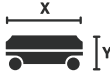
-  DISCOVERY
-  DESIGN
-  INSTALL / TRAINING
-  COMMISSIONING
-  AFTERMARKET SERVICE

AUTONOMOUS MOBILE: AMR SOLUTIONS

The V550 is an industry-leading Autonomous Mobile Robot (AMR) solution that offers a number of advantages. One key advantage is ease of deployment. The V550 can be **quickly and easily installed** without the need for costly and time-consuming infrastructure changes or engineering. Additionally, the V550 features the best user interface in the industry, with an intuitive tablet and laptop interface that makes it easy to use. The V550 is also **CSI-certified**, meaning that it meets the highest standards for accuracy and reliability. This makes the V550 an ideal choice for customers looking for a reliable and easy-to-use AMR system.




Run time
13 hours


Dimensions
31.5" x 22.75"

1.) V550 MANUAL SOLUTIONS WAREHOUSE AUTOMATIONS

The Manual Solutions has one Buffer Zone at Pick up and Drop off, and the operator interfaces manually on both ends of off load and pick up for the return trip. Once told where to go the robot will draw it's own path. The AMR may have a shelf carrier, pallet lift or no top at all.

Pictured to the right is the Kiosk with tablet and the standard V550 without any added accessories. The Manual Solution will have an operator interface (a tablet) at both pick up and destination for operator to select mission. The operator may select from a number of missions. The V550 Shelf Carrier, allows the robot to collect and deliver carts, shelves or similar. The third photo is of the V550 Pallet Rack coupled with a pallet lift which allows for a pallet to be picked up and dropped off.



2.) V550 SEMI-AUTOMATIC SOLUTIONS - CONVEYOR TOP

The Semi-Automatic Solutions option is with a one end automated with accumulation. The Semi-Automatic Solutions have a conveyor top. Available as a Manual Pick up with Automated Drop off or Automated Pick up with Manual Drop off.



Pictured is the Semi-Automatic option that will have an operator interface at one end to choose the AMR mission.

3.) AUTOMATIC SOLUTIONS - CONVEYOR TOP

The Automatic Solutions V550 also has a Conveyor Top. This allows for multiple pick-up points to multiple drop off locations. You program it and it does the work for you. The missions are "Hardwired", meaning predetermined and when product is present the V550 retrieves it and takes to a specific destination.

Designed for driving safely in industrial environments. The V550's are designed to collaborate with people and to navigate in industrial environments alongside their human co-workers. For daily operation a reliable and safe driving pattern of the V550 is ensured by a multi-sensor system. V550 feeds data into an advanced planning algorithm, which lets the V550 know where to drive. The autonomous part of the V550 will adjust its path or make a safe and immediate stop to avoid collisions.

4.) ENGINEERED SOLUTIONS

The Engineered Solutions are available as well and will be handled on a case-by-case basis. Options could include scanning and a decision matrix to determine mission and destinations.