



Lift CR1 AMR

4,000LB CAPACITY | 5 MPH MAX SPEED | 15' LIFT HEIGHT

Transform material handling with Seegrid Lift CR1, the intelligent AMR for autonomous transport, vertical handling, and placement of goods.

Taking Vertical Material Handling Automation to New Heights

-  **Proven ROI**
Lowest total cost of ownership and the quickest time to value in the mobile automation industry, delivering positive results on day one.
-  **Industry-Leading Payload Detection**
Pick and move a wide variety of payloads with the most robust and effective payload detection capabilities on the market.
-  **Dynamic Path Planning**
Advanced autonomous detection capabilities enable real-time alignment adjustments to better handle poorly placed payloads.
-  **Infrastructure-Free**
Seegrid AMRs navigate with our proprietary computer-vision technology allowing us to deploy without changes to your facility.
-  **Synchronized Self-Charging**
Auto-Charge automates scheduling, dispatch, and charging to eliminate costly and hazardous human touchpoints for continuous 24/7 productivity.



Key Applications for Seegrid Lift CR1

Lift CR1 represents the next generation of material handling automation—lifting heavier and higher than any Seegrid AMR has before.

Lift CR1 easily integrates into workflows, executing autonomous material movement from inbound to outbound, parts to line, and between work areas for lean material processes and maximum throughput.

MANUFACTURING		
		
INBOUND TO BULK STORAGE Autonomously pick up and haul heavy loads of parts and materials to a designated storage location.	PARTS TO LINE Pick up payloads from the floor or an elevated surface and haul goods for use on an assembly line.	OUTBOUND Move product from a conveyor, wrapper, or assembly line to outbound staging.
LOGISTICS		
		
INBOUND Pick up payload from inbound staging and transport to bulk, floor, or endcap putaway locations.	CROSS DOCKING Pick up payloads from any inbound location and transport directly to any outbound location.	OUTBOUND Move product from staging or wrapping locations to the outbound loading dock.

“ We’ve been able to take employees in our facility who were doing more mundane work and position them in more value-added roles — and let the Seegrid AMRs do the work. ”

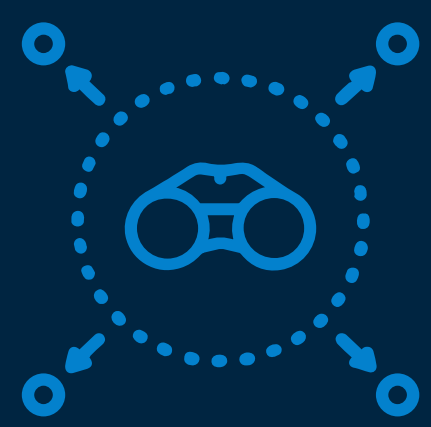
JIM KEPPLER
VP Integrated Supply Chain, Whirlpool



Product Specifications

Maximum Capacity	4,000 lbs.	Environment	Indoor operation only Temperature 32°F min, 104°F max Humidity 20-95% RH (non-condensing) Floor conditions should be free from oils, moisture, and debris Floors should not be uneven/cracked	Safety	Layered safety with 2D and 3D LiDAR sensors Advanced path and payload obstruction detection 3 Emergency stop buttons LED lightbar for turning and status Acoustic warning system
Maximum Automatic Speed	Forward: 5.0 mph Reverse: 0.7 mph	Features	Industry leading pallet and payload detection Flexible, infrastructure-free navigation Route transfer between robots: train one and transfer route knowledge to all Supervisor for connected fleet management and enterprise intelligence	Standard Safety Behaviors	Automatically stops if an obstruction is detected within the lidar-defined travel path; resumes travel once the obstruction is cleared Always sounds horn before beginning or resuming automatic travel Slows down during turns
Width	58"	Battery	Voltage: 48V Max. capacity: 600 Amp x Hr Connector: Customizable Compartment: (LxWxH) 48"x 14"x 31"	Trained Behaviors	Prioritized traffic management with manual vehicles and other autonomous equipment Operator interaction control via start button Sounds the horn in busy areas, near walkways, in turns, etc.
Length	109" (Forks Retracted)				
Reach	15"				
Wheels	Polyurethane				
Forks	ITA Rated 42" Standard 36" - 72" Optional				

Intelligent. Aware. Transformative.



3D Computer Vision

Seegrid's Advanced algorithm collects and prioritizes massive amounts of live data, enabling our robots to navigate busy industrial environments.



Sensor Fusion

Seegrid AMRs see and process more data for an extremely accurate understanding of their constantly changing surroundings.



Reliable and Flexible

Seegrid Lift CR1 navigates seamlessly in high traffic, dynamic facilities, enabling real-time route changes while production is running.



Achieve Your Goals. Advance Your Innovation Initiatives.

Seegrid AMRs integrate into your workflows during live operations, proving quick ROI in just 6-24 months, and seamlessly scale across your entire network of facilities.



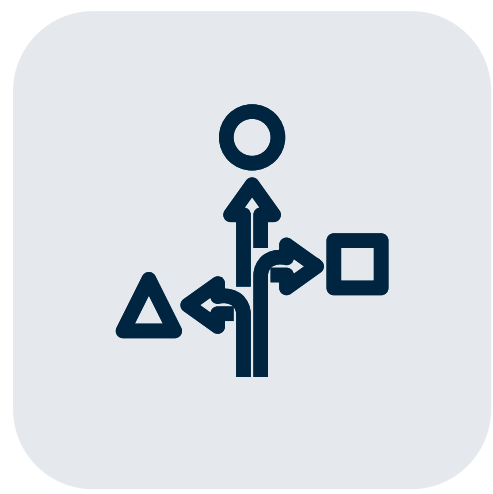
Proven, Predictable Performance

Seegrid AMRs do exactly what you expect them to do—delivering on time, every time.



Reduced Operating Costs

Optimize workflow processes and cut operational costs with consistent and efficient delivery of goods.



Unmatched Flexibility

Dispatch or redeploy your fleet during production for unparalleled flexibility and unmatched ROI.



Automate Repetitive Tasks

Our robots do the monotonous, hard labor tasks allowing your human workforce to focus on value-add, cognitive tasks.

2,500+
AMRs Deployed

200+
Customer Sites

50+
Global Brands

20,000,000+
Autonomous Miles Driven to Date

0
Recordable Safety Incidents