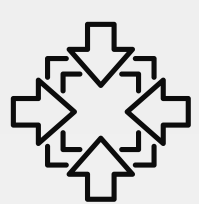


LIGHTWEIGHT AMR

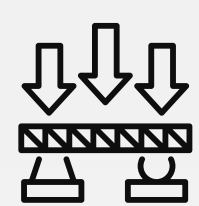
Compact. Agile. Efficient. **VDA5050**

Introducing our LightWeight Autonomous Mobile Robot (AMR) – designed for fast, flexible, and safe material movement in dynamic indoor environments. With a compact body, swappable battery, and intelligent navigation, this AMR is built to enhance productivity in warehouses, production lines, and distribution centers.

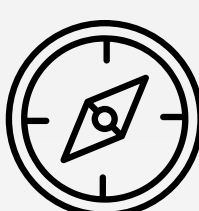
KEY FEATURES



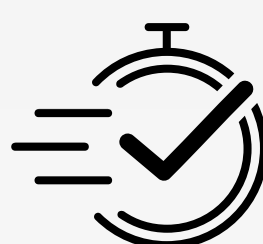
Compact Design
Built for indoor use in warehouse & factories



Payload
Supports **50 - 200 kg**



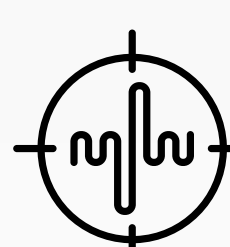
Hachidori's patented Wireless Natural Navigation (WNN)



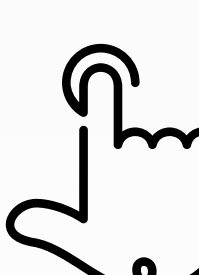
Max Speed
2 m/s*



Swappable Battery
LiFePO₄



Obstacle Detection
2D LiDAR + 3D Depth Camera



User Interface
Touchscreen workflow triggers

*for typical application requirement



Smart Applications of Light Weight AMR

Narrow lanes and gangways

Faster movement of light loads

Bins and totes

LIGHTWEIGHT AMR

SPECIFICATIONS

Category	HU200
Navigation	Hachidori's patented Wireless Natural Navigation (WNN) technology along with Sensor Fusion
Max. Payload	
Load (kg)	200
Dimension	
Length x Width x Height (mm)	800x550x1587
Ground Clearance (mm)	23
Base Weight (kg)	120
Load surface (L x W x H) (mm)	725x485x980
Speed & Performance	
Max. Speed***	2 m/s
Min. Operational Corridor Width in straight path(mm)*	1000
Running Time (Hrs)**	8
Battery	
Battery type	LiFePO4
Battery Capacity	48 V, 12 Ah
Battery charging option	Swappable
Time to full charge (Hrs)	2
Total charge cycles	2000
Safety Sensors	2D LiDAR + 3D depth camera with sensor fusion, supporting Cat0 emergency stop and Cat1 controlled stop responses
Indicators	Flashers, Buzzers, Sirens
Controls	Ergonomically placed Touchscreen Display, Start/Stop & Emergency buttons
Workflow triggers	Touchscreen - Manual control ; Calling Device - Remote control; Centralized - WMS API calls
Additional Features	In-place rotation, Bidirectional navigation

Hachidori Robotics Pvt Ltd | Bengaluru, Karnataka, India

 www.hachidorirobotics.com  sales@hachidorirobotics.com

*In-place rotation clearance is guided by the diagonal length of AMR + safe clearance distance
** Actual running time will vary depending on factors such as load capacity, operating duration, idle periods, and usage conditions.
***AMR speed is configured for each path based on various factors including floor condition, gangway width, obstruction density etc



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