

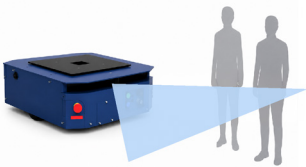
AGV 100

Autonomous Guided Vehicle

The AGV 100 is a compact QR-guided vehicle built to deliver fast, reliable, and efficient point-to-point material transport for high-throughput warehouse and manufacturing operations.

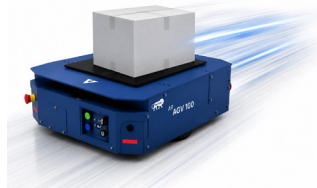


1 HUMAN-SAFE OPERATIONS



- ✓ PLd category 3 certified
- ✓ Laser safety fields respond before a person gets close
- ✓ No cages
- ✓ No zone restrictions

2 HIGH-SPEED TRANSPORT



- ✓ Direct point-to-point transport
- ✓ Repeatable throughput
- ✓ Reduced transit time, improved productivity

3 QR-GUIDED NAVIGATION



- ✓ Powered by QR-based localization
- ✓ Predictable material flow, consistent performance
- ✓ Built for speed, scalability, and continuous operation

4 INTEROPERABLE ARCHITECTURE



- ✓ VDA 5050 compliant
- ✓ Enables vendor-agnostic scalability

5 REAL-TIME ALERTS & STATUS INDICATION



- ✓ Audio alerts for operator notification
- ✓ No screen dependency

6 MULTI-SIDE STATUS LIGHTING



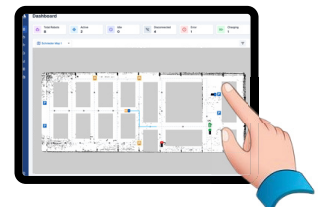
- ✓ Front and rear LED indicators
- ✓ Workers know the robot's intent before it reaches them

7 OPPORTUNITY CHARGING



- ✓ Autonomous opportunity charging during task intervals sustains continuous operation without scheduled downtime

8 BUILT-IN MISSION CREATOR



- ✓ Configure tasks, update routes, and adapt to layout changes on the fly
- ✓ No programmer required, just an intuitive interface your team can own

Technical Specification

**Sensors**

Safety Scanner - 1 unit
QR Sensor - 1 unit

**Communication**

WiFi (2.4/ 5GHz)
802.11 (b/n/ac)

**Max. Speed**

2 m/s
(4.473 mph or 7.2Km/h)

**Safety Control**

Safety Scanner,
Emergency Stop
buttons - 2 units

**Dimensions**

680 x 600 x 235 mm
(26.67 x 23.62 x 9.25 in)

**Max. Payload**

Upto 100 Kg (220.46 lbs)

**Charging Time**

3 Hours

**Docking Accuracy**

X,Y : ± 10 mm (0.39 in)
Yaw : $\pm 1.5^\circ$

**Run Time**

8 Hours