



PALLET LIFTER SERIES

AUTONOMOUS MOBILE ROBOT

We offer Custom-Engineered Robotics Solutions

What sets Caliber apart in AMR solutions?



Full-Stack Engineering Expertise

- In-house capabilities in PCB design, embedded systems, mechanical enclosures and powertrain development
- Ability to design at component level, ensuring precision control, safety and energy efficiency



Multi-Disciplinary Design Strength

- Synergy across software, electronics and mechanical design under one roof
- Mechatronics - driven development ensuring ruggedness and operational continuity



Custom-Built for Industrial Use Cases

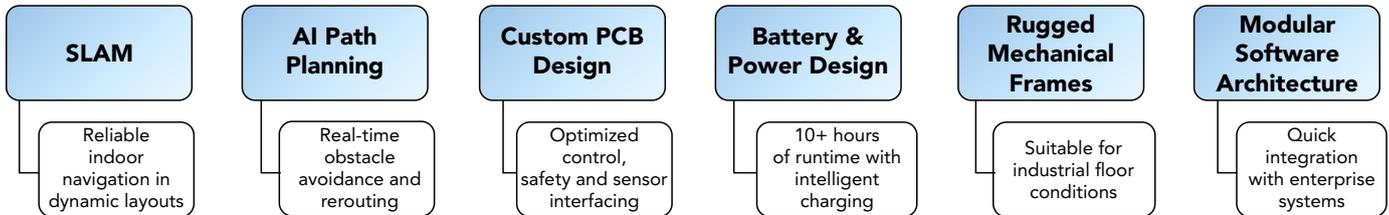
- Modular AMR platforms to suit logistics, storage, facility services and hygiene automation
- Seamless integration with MES, ERP and WMS systems for synchronized workflows



Rapid Deployment with Scalable Platforms

- Configurable chassis and payload systems for rapid customization
- Fleet management system ready for scale-up across large plants and multi-site operations

Core Technologies Powering Our AMRs



Specifications

| Specifications | Features/Functionalities Capabilities | Specifications | Features/Functionalities Capabilities |
|------------------|---------------------------------------|---------------------------------|---------------------------------------|
| Mass Unloaded | 90 Kg | Battery Technology | Lithium - Ion |
| Rated Speed | 1.5 m/s | Nominal Voltage | 48 V |
| Max Slope | 7 Deg | Rated Ampere - Hour Capacity | 67.6 Ah |
| Dimension | 1085 x 730 x 350 mm | Total Energy Density of Battery | 3244 W |
| Nominal Power | 2 x 400 W | Charging Volume | 54.6 V |
| Type | AMR | Charging Current | 30 A |
| Model | Pallet Lifter | Safety | Obstacle Detection |
| Ground Clearance | 40 mm | | Dynamic Obstacle Avoidance |
| Payload | Upto 2 ton | | Emergency Stop |
| Lidar | 2 pieces of Diagonal Scanner | | LED Indication (Light) |
| | | | Buzzer |
| | | | Safety Edge |
| | | Communication | Wi-Fi (Dual Band Wireless) |
| | | | I/O Connections (USB, Ethernet) |

