



ACCELERATING SMART MANUFACTURING WITH

HORIZON

AUTONOMOUS MOBILE ROBOT



YOUR PARTNER IN INTELLIGENT INTRALOGISTICS AUTOMATION

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

SLAM

Reliable indoor navigation in dynamic layouts

AI Path Planning

Real-time obstacle avoidance and rerouting

Custom PCB Design

Optimized control, safety and sensor interfacing

Battery & Power Design

10+ hours of runtime with intelligent charging

Rugged Mechanical Frames

Suitable for industrial floor conditions

Modular Software Architecture

Quick integration with enterprise systems

Caliber's AMR Portfolio Tailored for Business Needs

Heavy-Duty Autonomous Load Carrier (LR-Series)



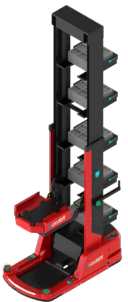
- **Payload:** Up to 2000 kg
- Navigation: LiDAR + camera - SLAM
- Speed: Up to 1.5 m/s
- Battery Life: 8+hours
- Ideal inventory management in warehouses, pallet movement, raw material transfer and floor logistics

Autonomous Pallet Handler (FLR Forklift Series)



- **Lift Capacity:** 2000 kg
- Navigation: LiDAR + camera - SLAM
- Speed: Up to 1.5 m/s
- Battery Life: 8+hours
- Suited for heavy material transport in large-scale warehousing and production line

Automated Storage & Retrieval Automation (ASRS Robot)



- **Lift Capacity:** 2000 kg
- Navigation: LiDAR + camera - SLAM
- Speed: Up to 1.5 m/s
- Battery Life: 8+hours
- RFID/Barcode Integration
- Enables real-time inventory visibility and optimal use of vertical space.
- Seamless integration with Warehouse Management Systems (WMS).
- Ideal for small parts logistics, e-commerce order fulfilment

UV Disinfection Robot (Autonomous Hygiene Solution)



- Navigation: LiDAR + camera - SLAM
- Speed: Up to 1.5 m/s
- Battery Life: 8+hours
- UV-C Effectiveness: 99.9% pathogen neutralization | Safety Detection
- Used in wide range of industries and environments where hygiene and infection control are critical.

Delivery and Interaction Robot (Service Series)



- **Payload:** Up to 100 kg | Voice UI & Touch Displays
- Navigation: LiDAR + camera - SLAM
- Speed: Up to 1.5 m/s
- Battery Life: 8+hours
- Facilitates parts, tool and utility transport; supports multi-floor operation

