



UV DISINFECTION ROBOT

AUTONOMOUS HYGIENE SOLUTION

We offer Custom-Engineered Robotics Solutions

What sets Ciyes 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

Specifications

Specifications	Features/Functionalities Capabilities	Specifications	Features/Functionalities Capabilities
Rated Speed	1.5 m/s	Battery Technology	Lithium - Ion
Dimension	650 Dia x 400 mm	Nominal Voltage	25.9 V
Nominal Power	800 W	Rated Ampere - Hour Capacity	45 Ah
Type	AMR	Total Energy Density of Battery	1166 W
Model	UV Disinfectant	Safety	Obstacle Detection
Ground Clearance	40 mm		Dynamic Obstacle Avoidance
Lidar	2 X 2D lidar (360° coverage)		Emergency Stop
Camera	2 X 3D depth cam		LED Indication (Light)
UV-C Effectiveness	99.9% pathogen neutralization		Buzzer
	Safety Detection	Communication	Safety Edge
			Wi-Fi (Dual Band Wireless)
			I/O Connections (USB, Ethernet)

