



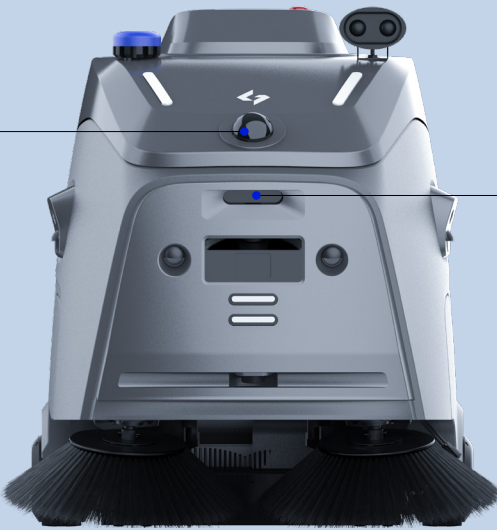
BEETLE

(Full-Scenario Edition)

Heavy-Duty Autonomous Sweeper
for Indoor & Outdoor Use



Key Features



Advanced Navigation

Dual LiDARs (Front and Rear)

Mapping and localization using a front 3D LiDAR and a rear 2D LiDAR, ensuring robust, reliable operation in challenging environments, whether in low-light conditions, high-dynamic areas, or open spaces.

Unrivalled Productivity

Spot Cleaning Mode

Proactively detects and cleans waste using RGB-D camera and AI algorithms, bringing 4X efficiency improvement and covering over 40,000 m² in one night.

Effortless Operation

Drop & Go Instant Deployment

Adapts to dynamic layouts without manual remapping—intelligently identifies and cleans active event areas.

Smart Maintenance

Minimizes manual upkeep with auto dust shaking, multi-stage filtration, and real-time status monitoring.

Ultimate Cleaning Power

High-Power Suction Motor

Efficiently handles a wide range of debris, from fine dust and sand to larger materials like paper scraps, bottles, and even wood chips.

Effective Dust Control & Auto HEPA Cleaning

Prevents airborne particles by capturing fine dust securely in the trash bin through strong airflow and efficient HEPA filtration, with automatic HEPA cleaning after each task.

All-Environment Adaptability

WeatherSense Guard

Rated IP54 for outdoor use in light rain. Detects weather changes and rainfall in real time, automatically adjusting or pausing tasks and returning to the docking station when needed.

All-Terrain Chassis

Professional shock-absorbing chassis handles uneven surfaces, speed bumps, and complex terrain — delivering stable cleaning performance indoors and out, while enabling low-noise night operation in residential areas.

Agile Maneuverability

Tight-Space Agility

Navigates narrow aisles adeptly with a 800mm path clearance and a minimum U-turn width of just 1,200mm, providing smooth operation in tight spaces.

Zero-Distance Edge Cleaning

Delivers zero-distance cleaning along edges, ensuring no gaps are left behind.

Specification

Dimension (L×W×H)	960×650×755 mm (w/o side brushes; w/o visibility flag)
Net Weight	110 kg 243 lb
Cleaning Width	750 mm 29.5 in (with side brush)
Max. Cleaning Efficiency(Theoretical)	Regular mode: 3,240 m ² /h 34,875 ft ² /h
Max. Air Flow Volume	1,500 m ³ /h
Trash Bin Capacity	45 L 11.9 gal
Edge Cleaning Capability	0 mm 0 in
Gradeability	8° (14%)
Min. U-Turn Width	1,200 mm 47.2 in
Max. Cleaning Speed	1.2 m/s 3.9 ft/s
Battery Capacity	60 Ah
Runtime	5 h
Charging Time	<2.5 h
Protection Class	IP54
Sensor System	3D LiDAR, RGB Camera, RGB-D Camera

Note : The specifications are derived from Gausium lab test results; actual performance data may vary in specific applications.

Let's **'Beetle'**
your cleaning challenges