GAUSIUM

BEETLE

Heavy-Duty Autonomous Sweeper
for Industrial Environments

Key Features

Advanced Navigation

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

Unrivaled Productivity

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

750mm Cleaning Width
Achieves up to 3,780m²/h in regular sweeping mode.

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
Prevents airborne particles by capturing fine dust securely in the trash bin through advanced negative pressure and filtration.

Ultra-Long Endurance

High-Capacity Trash Bin & Battery
Equipped with a 45L large trash bin and a durable battery with a 4-8 hour runtime.

Autonomous Charging
Supports 24/7 continuous operation with an optional charging dock.

Agile Maneuverability

750mm Path Clearance
Navigates narrow aisles adeptly with a 750mm path clearance, providing smooth operation in tight spaces.

Zero-Distance Edge Cleaning
Delivers zero-distance cleaning along edges, ensuring no gaps are left behind.

4000m²

COVERAGE IN ONE NIGHT

Specification

Dimension (L×W×H)	960×650×680 mm | 35.4×25.6×26.8 in
Net Weight	112 kg | 247 lb
Cleaning Width	750 mm | 29.5 in (with side brush)
Max. Cleaning Efficiency(Theoretical)	Regular mode: 3,780 m²/h | 40,688 ft²/h
Max. Air Flow Volume	1,320 m³/h
Trash Bin Capacity	45 L | 11.9 gal
Edge Cleaning Capability	0 mm | 0 in
Gradeability	4.6° (8%)
Min. U-Turn Width	1,200 mm | 47.2 in
Max. Cleaning Speed	1.4 m/s | 3.1 mph
Battery Capacity	60 Ah
Runtime	> 4 h
Charging Time	2 h
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.

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

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