



BEETLE

Heavy-Duty Autonomous Sweeper
for Industrial Environments



Key Features

Advanced Navigation

3D LiDAR

Mapping and localization using a 3D LiDAR, 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-D 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 strong airflow and efficient filtration.

Ultra-Long Endurance

High-Capacity Trash Bin & Battery

Equipped with a 45L large trash bin and a durable 60 Ah LFP 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.

40000 m²

COVERAGE IN ONE NIGHT



Specification

Dimension (L×W×H)	960×650×680 mm (w/o side brushes; w/o warning flag)
Net Weight	Standard: 102 kg 225 lb Pro: 112 kg 247 lb
Cleaning Width	750 mm 29.5 in (with side brush)
Max. Cleaning Efficiency(Theoretical)	Regular mode: 3,780 m ² /h 40,688 ft ² /h
Max. Air Flow Volume	1,320 m ³ /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	Standard: 40 Ah Pro: 60 Ah
Runtime	Standard: > 2.75 h Pro: > 4 h
Charging Time	<2.5 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.