



# 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 m<sup>2</sup> in one night.

### 750mm Cleaning Width

Achieves up to 3,780m<sup>2</sup>/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 m<sup>2</sup>

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 <sup>2</sup> /h   40,688 ft <sup>2</sup> /h |
| Max. Air Flow Volume                  | 1,320 m <sup>3</sup> /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.

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