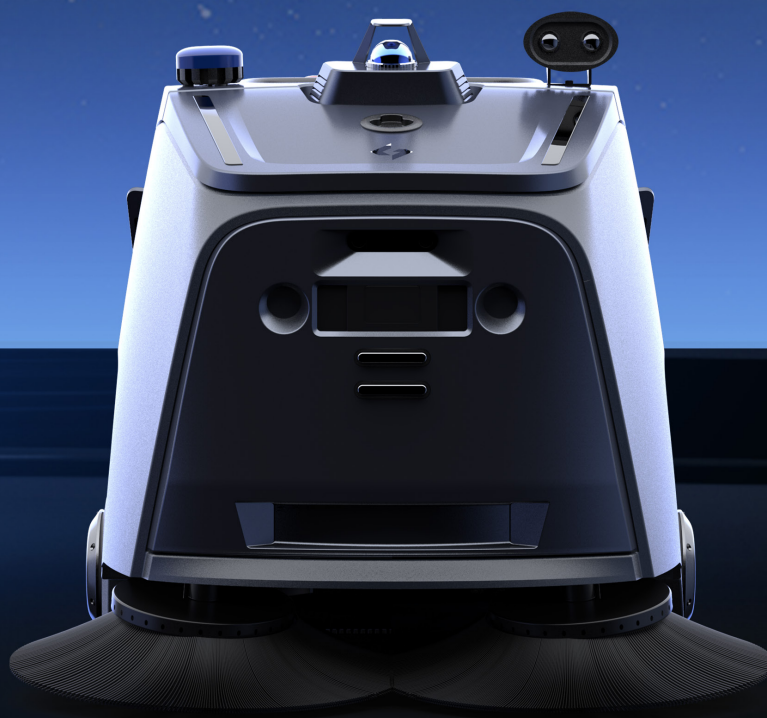


# BEETLE

*(Performance Edition)*

**Heavy-Duty Autonomous Sweeper**  
for Indoor & Outdoor Use



# 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.

### Dynamic Obstacle Avoidance

Utilizes multi-sensor fusion to intelligently identify and precisely avoid forklifts, AGVs and other moving equipment.



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

### 750mm Cleaning Width

Achieves up to 3,240m<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 & 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.

## 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 visibility 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: 3,240 m <sup>2</sup> /h   34,875 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                          | 8° (14%)                                                          |
| Min. U-Turn Width                     | 1,250 mm   49.2 in                                                |
| Max. Cleaning Speed                   | 1.2 m/s   3.9 ft/s                                                |
| Battery Capacity                      | Standard: 40 Ah    Pro: 60 Ah                                     |
| Runtime                               | Standard: 3 h    Pro: 5 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