GAUSIUM

VACUUM 40

Commercial Robotic Vacuum Cleaner
for All Indoor Scenarios



Key Features

Advanced Navigation

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

360° Vision
Seamlessly detects and avoids pedestrians, objects, drop-risk zones, and tricky obstacles like cables and escalators.

Versatile Cleaning

3-in-1 Solution
Integrates vacuuming, sweeping, and dust mopping in a single solution.

Spot Cleaning Mode
Proactively detects and cleans waste using RGB camera and AI algoritms, brining up to 400% efficiency improvement.

Ultimate Cleaning Power

All-Pile Expert Carpet Care
Offers three carpet cleaning modes—light, medium, and deep—to accommodate various carpet pile heights effectively.

Zero-Distance Edge Cleaning
Able to clean along the edges at zero distance, leaving the edges spot-free.

Advanced Hygiene System

24 KPA Powerful Suction
Provides exceptional suction strength, effortlessly picking up fine dust and debris.

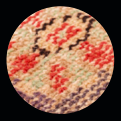
H13 HEPA Filter
Medical-grade air purification for superior air quality and cleanliness.

Effortless Deployment & Maintenance

Remote Deployment
Fast setup with remote 3D map editingand easy no-go zone marking.

Tool-free Quick Maintenance
An auto-lowering roller brush for quick replacement and optional disposable dust bags for efficient waste management.

Applicable Flooring Types


Low Pile Carpet


High Pile Carpet


Artificial Stone


Natural Stone


Hardwood


Ceramic


PVC


Epoxy



Specification

Dimension (L×W×H)	800×600×890 mm | 31.5×23.6×35 in; With **side brushes**: 810×720×990 mm | 32×28.3×39 in
Net Weight	91 kg | 201 lb
Cleaning Width (with side brushes)	720 mm | 28 in
Max. Cleaning Efficiency (Theoretical)	Sweeping& Vacuuming: 3,100 m^2/h | 33,368 ft^2/h Dust Mopping: 2,592 m^2/h | 27,900 ft^2/h
Max. Air Flow Volume	120 m^3/h
Battery Capacity	40 Ah / 60 Ah (Optional)
Max. Runtime	40 Ah: 2-13 h / 60 Ah: 3-18 h
Charging Time	40 Ah: 1.7 h / 60 Ah: 2.5 h
Trash Tray Capacity	2.5 L | 0.6 gal
Dust Bag Capacity	12 L | 3 gal
Edge Cleaning Capability	0-20mm | 0-0.7 in
Gradeability	4.6°
Min. Pass Width	800 mm | 31.5 in
Min. U-turn Width	1,100 mm | 43 in
Max. Cleaning Speed	1.2 m/s | 2.7 mph
Sensor System	LiDAR, 3D Depth Camera, RGB Camera, Anti-drop Sensor, Air Pressure Collision Sensor

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

Expert **Carpet Care**
Fresh Air Everywhere

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