



**Vacuum 40 / Diffuser**  
Your Robotic Vacuuming Expert



SMART AND VERSATILE

## Thorough cleaning and air purifying

Vacuum 40 is a thorough cleaner. It could clean along the edges at zero distance supported by side brushes and high-precision sensors, and effortlessly pick up fine dust and debris with a 24KPa suction motor. An optional diffuser kit could be equipped on the robot either for atomizing disinfection or aroma diffusion. It creates pure air with pleasant scents with its medical-grade H13 HEPA filter and aroma atomizer.

- Powerful edge cleaning
- Dual-purpose diffuser kit (optional)
- 24 kPa Powerful suction
- H13 HEPA filter

CLEANING MADE EFFORTLESS

## Simplify your work process

Vacuum 40 will make cleaning much easier with little need for human interference. It perceives environmental changes, updates the map and reroutes itself in real time – you don't need to stand by to save it from getting stuck. With the optional charging dock the robot to can perform power charging by itself. It also offers remote access via Gausium mobile app that enables you to monitor and control your cleaning task from anywhere.

- Smart obstacle avoidance and rerouting
- Remote-control mobile app
- Auto charging docking station

BUILT TO LAST

## Create long-term value

Vacuum 40 is made of enduring, easy-to-recycle materials. It adopts LFP batteries with a long lifespan of 2,000 cycles. Both the sanitizing atomizer and the scentsing atomizer of its diffuser kit feature an ultra-long lifespan, lasting 5,000 hours and 8,000 hours respectively.

- 2,000-cycle LFP batteries
- 5,000-hour sanitizing atomizer
- 8,000-hour scentsing atomizer

## Key Features:

### ➔ 3-in-1 Cleaning

Integrating vacuuming, sweeping, dust mopping

### ❖❖ Sanitizing / Scentsing (40 Diffuser)

Optional diffuser kit for atomizing disinfection and/or aroma diffusion

### ⚗ Adaptability

Working perfectly on varying flooring types, be it a hard surface, a low pile carpet or a high pile carpet

### 📏 Zero Distance from Edge

Able to clean along the edges zero-distance-close with side brushes and high-precision sensors

### 🌀 24 KPA Powerful Suction

Strong suction performance – effortlessly picking up fine dust and debris

### 🌿 H13 HEPA Filter

Medical-grade air purifying capability

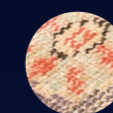


## Superb performance in a broad range of applications:

Hotels | Office buildings | Hospitals | Schools | SME markets  
Pavilions | etc.



High Pile Carpet



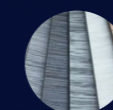
Low Pile Carpet



Natural Stone



Artificial Marble / Granite



PVC & Vinyl



Epoxy



Ceramic



Hardwood

# SPECIFICATION

## DIMENSION

Length	700mm   27 in
Width	720mm   28 in
Height	875mm   34 in
Unladen Weight	80 kg   176 lb
Cleaning Width	400 mm   15 in

## CLEANING

Max. Productivity	1200m <sup>2</sup> /h   12,916 ft <sup>2</sup> /h
Max Air Flow Volume	2m <sup>3</sup> /min
Dust Bag	12 L   3 gal
Max. Trash Size	ø 10x50 mm   ø 0.4 x 2.0 in
Trash Tray	2.5 L   0.6 gal
Max. Vacuum Pressure	24 kpa

## MOVEMENT

Gradeability (Autonomous Cleaning)	4°
Gradeability (Autonomous Driving)	8°
Max. Moving Speed	1 m/s   2 mph
Min. Distance from Wall	0-20 mm   0-0.7 in
Max. Passable Obstacle Height	80 mm
Min. Passable Width	870 mm   34 in
Min. Turn-around Width	1,100 mm   43 in

## ELECTRICAL

Battery Type	Lithium Iron Phosphate
Battery Capacity	60 Ah
Rated Voltage	24 VDC
Max. Output Power	1,000 W   1.34 hp
Charging Time	≈2 hours
Uptime	≈3-18 hours

## SENSING

Standard	LiDAR, 3D Depth Camera, 3D ToF Camera, Anti-drop Sensor, Air Pressure Collision Sensor
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## SANITIZING

Atomized Particle	1-5 micron
Atomization Type	Ultrasonic
Container Capacity	4 L   1.06 gal
Max. Atomization	1.5L/h   0.4 gal/h
Atomizer Lifespan	≥ 5,000 hours
Recommended Disinfectant	Hypochlorous acid, QAC disinfectant, etc.

## SCENTING

Atomization Type	Air compressor pump
Max. Atomization	6 mL/h   0.002 gal/h
Container Capacity	500 mL   0.13 gal
Atomizer Lifespan	≥ 8,000 hours
Recommended Aroma	Essential oils

## Gaussian Robotics

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