

GAUSIUM

All in One
One for All



Phantas



Ideal for Small and Midsize Facilities

Phantas is specially designed for cleaning in small and medium sized facilities. The small size of Phantas enables superior passability and flexible movement in tight spaces such as under-table areas and narrow aisles.

- 600mm Min.Passable Width
- 650mm Min. Passable Height

Fitting Varied Floor Types

Phantas is a versatile robotic cleaner with 4 floor cleaning modes —vacuuming, scrubbing, sweeping and dust mopping. It can operate on most hard flooring materials, and also works perfectly on low pile carpets. The robot can recognize floor types and will switch cleaning modes to fit different flooring materials. ¹

- 4 Cleaning Modes
- Floor Type Recognition¹

Navigating Safely in Complex and Dynamic Environments

In a dynamic environment, Phantas will locate itself in the real time and would not get lost due to environmental changes. Powered by AI deep learning, Phantas can recognize different types of obstacles and make advanced behavior decisions accordingly. e.g., It would bypass electric wires rather than passing them over directly.

- Real-time Localization
- Smart Obstacle Avoidance

Providing On-Demand Cleaning

Phantas is an “on-demand cleaner” that provides floor cleaning services wherever and whenever needed. The Auto Spot Cleaning allows the robot to clean where waste is detected; the self-service docking stations extend the robot’s uptime for around-the-clock operation; the mobile app enables cleaning tasks to be activated anytime and anywhere in the map.

- Auto Spot Cleaning¹
- Self-service Docking Stations
- Remote-control App

Key Features:

All-in-One Floor Cleaning

Integrates vacuuming,scrubbing, sweeping, dust mopping.

Auto Spot Cleaning¹

Autonomously performs spot cleaning where waste is detected, bringing up to 400% efficiency improvement

Smart Integrated Handle

Automatic mode shift (Auto/Manual) via handle position detection, and effortless control with power assistance

Smart Obstacle Avoidance

Recognizes obstacle types and makes advanced behavior decisions according to the types and features of obstacles.

Floor Type Recognition¹

Identifies flooring types and automatically adjusts brush height to protect flooring materials.

Strong Passability

Able to pass through aisles as narrow as 600mm and as low as 650mm to clean under desks

Zero-distance Edge Cleaning

Able to clean along the edges at zero distance, leaving the edges spot-free.

Minimal Human Intervention

Paired with a charging dock for auto power recharge, and a water tank trolley (optional) for easy water refill

All in One One for All



Superb performance in a broad range of applications:

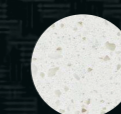
Workspaces, Retail Stores, Apartments, Hospitals, etc.



Low pile carpeting



Natural Stone



Artificial Stone



Ceramic



Hardwood



Concrete



PVC



Epoxy

¹The feature will be available via OTA update in 2024 Q4.

SPECIFICATION

DIMENSION

| | |
|--------------------------|-----------------|
| Length | 540mm 21.3 in |
| Width | 440mm 17.3 in |
| Height | 617mm 24.3 in |
| Net Weight | 48kg 106 lb |
| Vacuuming/Sweeping Width | 410mm 16.2 in |
| Scrubbing Width | 330mm 13 in |

CLEANING

| | |
|------------------------|---|
| Practical Productivity | 350 - 600m ² /h 3,367 - 6,458 ft ² /h |
| Water Tank Capacity | ≈ 1500 m ² (16,146 ft ²) coverage |
| Dust Bag | Hold 3-7 days' dust |
| Trash Can | 0.7 L 0.2 gal |

MOVEMENT

| | |
|----------------------------------|---------------------------------------|
| Gradeability | 8° |
| Max.Cleaning Speed | 0.8 m/s 1.8 mph |
| Min.Passable Width | 600 mm (550mm*) 23.6 in (21.7 in*) |
| Min.Passable Height | 650 mm 25.6 in |
| Min.Turn-around Width | 750 mm (650 mm*) 29.5 in (25.6 in*) |
| Min.Height of Detected Obstacles | 20 mm 0.8 in |
| Edge Cleaning Capability | 0 mm |

ELECTRICAL

| | |
|----------------------|--|
| Max. Runtime | Scrubbing 4.5 h, Vacuuming 4.5 h Sweeping 12 h, Dust Mopping 10 h |
| Charging Time | ≈ 2 h |
| Sound Pressure Level | < 65 dB |

SENSING

| | |
|----------|---|
| Standard | LiDARs, 3D Depth Cameras, RGB Camera Anti-drop Sensor, Anti-collision sensor |
|----------|---|

ACCESSORIES

| | |
|----------|---------------|
| Standard | Charging Dock |
|----------|---------------|

Note: The specifications are based on the test results conducted by Gausium;
actual performance data may vary in specific applications.
* Available via OTA upgrade.

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