



# PHANTAS

**Commercial Robot Floor Cleaner**  
for Small to Midsize Spaces



# Key Features

## Versatile Cleaning

### All-in-One Solution

Integrates vacuuming, scrubbing, sweeping, and dust mopping in a single solution for comprehensive floor care.

### Floor Type Recognition

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

## AI-Powered Perception

### Smart Obstacle Avoidance

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

### Spot Cleaning Mode\*

Proactively detects and cleans waste using RGB camera and AI algorithms, bringing up to 400% efficiency improvement.

\*Available via OTA upgrade.

## Agile Maneuverability

### 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.

## Advanced Safety

### Flashing Light

Ensures safety and effective performance in low-light conditions by alerting nearby pedestrians.

### Warning Flag (Optional)

Enhances the robot's visibility, ensuring it can still be seen even when partially blocked by cargo or other objects.

## Effortless Maintenance

### Smart Handle

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

### Docking Stations

Optional workstation for auto charging and water management, and an optional mobile water tank for on-demand water supply.

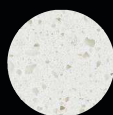
## Applicable Flooring Types



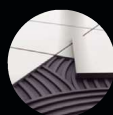
Low pile  
Carpeting



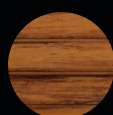
Natural  
Stone



Artificial  
Stone



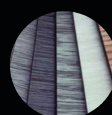
Ceramic



Hardwood



Concrete



PVC



Epoxy



## Specification

|  |  |
|--|--|
| Dimension (L×W×H)                      | 540×440×617 mm   21.3×17.3×24.3 in   |
| Net Weight                             | 53 kg   117 lb   |
| Vacuuming/Sweeping Width               | 410 mm   16.2 in   |
| Scrubbing/Dust Mopping Width           | 330 mm   13 in   |
| Max. Cleaning Efficiency (Theoretical) | Scrubbing / Dust Mopping: 950 m <sup>2</sup> /h   10,226 ft <sup>2</sup> /h<br>Vacuuming / Sweeping: 1,180 m <sup>2</sup> /h   12,701 ft <sup>2</sup> /h |
| Practical Cleaning Efficiency          | 350-700 m <sup>2</sup> /h   3,367-7,535 ft <sup>2</sup> /h   |
| Max. Runtime                           | Scrubbing 4.5 h; Vacuuming 4 h; Sweeping 14 h; Dust Mopping 10 h   |
| Charging Time                          | 2 h  |
| Clean Water/Waste Water Tank           | 11.5 L / 10.5 L   3.0 gal / 2.8 gal  |
| Trash Can Capacity                     | 0.7 L   0.2 gal  |
| Dust Bag Capacity                      | 6L (Holds 3-7 days' dust)  |
| Edge Cleaning Capability               | 0 mm   0 in  |
| Gradeability                           | 8°   |
| Min. Pass Width                        | 600 mm   23.6 in   |
| Min. U-turn Width                      | 750 mm   29.5 in   |
| Max. Cleaning Speed                    | 0.8 m/s   1.8 mph  |
| Sensor System                          | LiDAR, 3D Depth Camera, RGB Camera, Anti-Drop, Anti-Collision  |

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

All In **One** One For All