



# 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 Width	330 mm   13 in
Max. Cleaning Efficiency (Theoretical)	Scrubbing: 950 m <sup>2</sup> /h   10,226 ft <sup>2</sup> /h ; Vacuuming / Dust Mopping: 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