



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

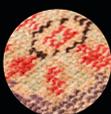
Smart Handle

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



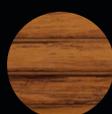
Natural
Stone



Artificial
Stone



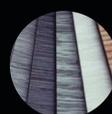
Ceramic



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 ² /h 10,226 ft ² /h Vacuuming / Sweeping: 1,180 m ² /h 12,701 ft ² /h
Practical Cleaning Efficiency	350-700 m ² /h 3,367-7,535 ft ² /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.