



**Phantas**



## Ideal for Small and Medium-sized 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.

- 520mm 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.

- 4 Cleaning Modes
- Floor Type Recognition

## 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 Cleaning
- Self-service Docking Stations
- Remote-control App

## Key Features:

### ➤ All-in-one Floor Cleaning

Integrates vacuuming, scrubbing, sweeping, dust mopping

### 🔍 Floor Type Recognition

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

### 📏 Zero-distance Edge Cleaning

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

### 🎯 Auto Spot Cleaning

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

### 🧠 Smart Obstacle Avoidance

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

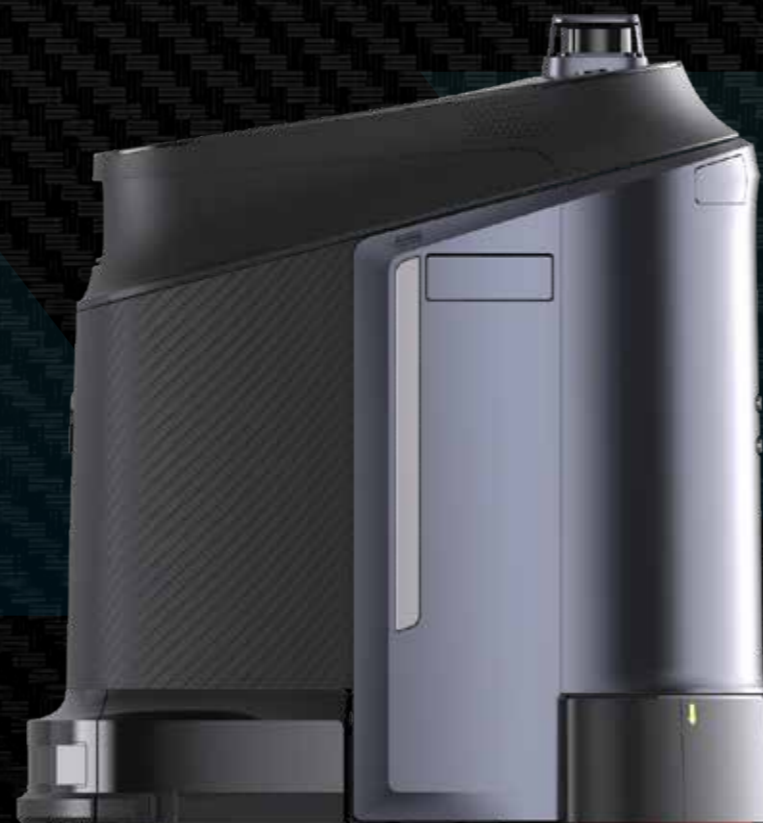
### 📏 Strong Passability

Able to pass through aisles as narrow as 520mm and as low as 650mm

### 🔌 Minimal Human Intervention

Paired with docking stations for automatic power charging and/or water refill and discharge

All in One One for All



## Superb performance in a broad range of applications:

Workspaces | Retail Stores | Apartments | Hospitals | Schools | etc.



Low Pile Carpet



Natural Stone



Artificial Stone



Ceramic



Hardwood



Concrete



PVC & Vinyl



Epoxy

# SPECIFICATION

## DIMENSION

Length	540mm   21.3 in
Width	440mm   17.3 in
Height	617mm   24.3 in

## CLEANING

Cleaning Efficiency	400 - 700m <sup>2</sup> /h   4,305 - 7,534 ft <sup>2</sup> /h
Water Tank Capacity	Up to 1,000 m <sup>2</sup> for scrubbing   10,763 ft <sup>2</sup>
Dust Bag Capacity	Up to 1,200 m <sup>2</sup> for vacuuming   12,916 ft <sup>2</sup>

## MOVEMENT

Gradeability	8°
Min. Distance from Wall	0 mm
Min. Passable Width	520 mm   20.5 in
Min. Passable Height	650 mm   25.6 in
Max. Obstacle Height	30 mm   1.2 in

## ELECTRICAL

Uptime	≈5 hours
Charging Time	≈2 hours

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