



# SCRUBBER 50

**AI-Powered Robotic Floor Scrubber**  
for Medium to Large Spaces

(Certified to **IEC 63327** 2021 Standards)



# Key Features

## Versatile Cleaning

### 3-in-1 Solution

Integrates scrubbing, sweeping, and dust mopping in a single solution.

### 2 Main Brush Options

Choose between a disc brush or a roller brush to suit your specific cleaning requirements.

## AI-Powered Perception

### Spot Cleaning Mode

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

### Smart Obstacle Avoidance

Recognizes people and obstacles, making advanced behavior decisions based on their types and characteristics.

## Sustainability

### Water Recycling

Features a built-in multi-stage filtration system that recycles and reuses water, reducing freshwater consumption by approximately 80%.

### Energy Efficient

Delivers up to 10 hours of runtime in the Spot Cleaning mode, reducing energy consumption by approximately 75%.

## Effortless Maintenance

### Quick-Release Cleaning Components

The squeegee assembly and filter components feature a quick-release design for tool-free disassembly and reassembly within seconds.

### Docking Stations

Optional workstation for self-docking power charging and water management.

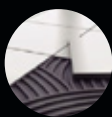
## Applicable Flooring Types



Natural Stone



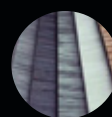
Artificial Stone



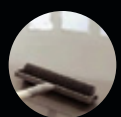
Ceramic



Concrete



PVC



Epoxy



# Specification \*

	Disc Brush	Roller Brush
Net Weight	157 kg   346.1 lb	148 kg   326.3 lb
Cleaning Width	460 mm   18.1 in	406 mm   16 in With side brushes: 780 mm   30.7 in
Edge Cleaning Capability	40 mm   1.6 in	40 mm   1.6 in With side brushes: 0 mm   0 in
Brush Pressure	25 kg   55 lb	18 kg   39.7 lb
Trash Tray Capacity		2×0.6 L   2×0.16 gal
Max. Runtime	Scrubbing 3 h Dust Mopping 8 h	Scrubbing 3 h Dust Mopping 6 h
Max. Scrubbing Efficiency (Theoretical)	1,987 m <sup>2</sup> /h   21,388 ft <sup>2</sup> /h	1,754 m <sup>2</sup> /h   18,880 ft <sup>2</sup> /h
Practical Cleaning Efficiency	500-1,300 m <sup>2</sup> /h   5,382-13,993 ft <sup>2</sup> /h	
Dimension (L×W×H)	810×700×1,070 mm   31.9×27×42.1 in	
Charging Time	2 h	
Clean/Waste Water Tank	30L / 24 L   7.9 gal / 6.3 gal	
Gradeability	4.6°	
Min. Pass Width	800 mm   31.5 in	
Min. U-turn Width	1,100 mm   43.3 in	
Max. Cleaning Speed	1.2 m/s   2.7 mph	
Sensor System	2D LiDAR, 3D Depth Camera, RGB Camera, Anti-Collision Sensor, etc.	

\*Note : [1]The specifications are derived from Gausium lab test results; actual performance data may vary in specific applications.  
[2]Alternative configurations compliant with IEC 63327 are available upon request. Please note that the corresponding specifications may vary depending on the chosen configuration.

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