



ALPHAROBOTICS SOLUTIONS
SMART TECH. HUMAN TOUCH

AlphaRobotics Marvel

Commercial Robot Floor Cleaner for Large & Complex Spaces

Get Ready to Marvel at the Power of Clean

SWEEP

SCRUB

DUST
MOP



Retail /
Supermarkets

Manufacturing

Warehousing

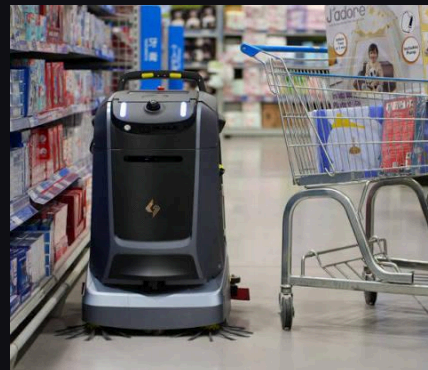
Airports /
Subway

One pass delivers sweeping and scrubbing simultaneously — built for large and complex commercial spaces.



Operational Overview & Applications

The AlphaRobotics Marvel is a commercial robot floor cleaner purpose-built for large and complex spaces with a recommended coverage of over 3,000 m² (32,292 ft²). It performs sweeping and scrubbing simultaneously — completing two tasks in a single operation — while 3D LiDAR enables full remote deployment and fleet management with no on-site setup burden.



>32,292 ft²

Recommended
coverage (>3,000 m²)

3–5 h

Runtime — scrubbing

23.6 in | 600 mm

Scrubbing width

Ideal Environments

Retail /
Supermarkets

Manufacturing

Warehousing

Airports /
Subway

Core Operating Value

Two tasks, one pass

Simultaneous sweeping and scrubbing delivers maximum efficiency in a single operation.

Self-cleaning waste tank

Automatic water tank refresh minimizes manual maintenance and lowers operating costs.

Effortless remote deployment

3D LiDAR mapping, navigation and positioning support full remote deployment and fleet management.



Key Technology Features

Dust mop, scrub and sweep — three cleaning modes in one intelligent machine.

Simultaneous Sweep & Scrub

Performs sweeping and scrubbing simultaneously, completing two tasks in a single operation for maximum efficiency.

Patented Side Brush System

Front-mounted dual brushes sweep up both fine dust and large debris in one pass — thorough edge-to-edge cleaning.

Effortless Remote Deployment

Equipped with 3D LiDAR for high-precision mapping, navigation and positioning; supports full remote deployment.

Automatic Water Tank Refresh

A self-cleaning waste water tank minimizes manual maintenance and lowers operating costs.

3-in-1 Cleaning Modes

Dust mop, scrub and sweep modes cover daily maintenance through deep cleaning in large facilities.

Fleet Management Ready

Remote deployment and fleet management make multi-site rollouts simple to deploy and operate.





Safety Systems & Maintenance

High-precision perception with a self-maintaining water system.

3D LiDAR Perception

High-precision mapping, navigation and positioning keep operation safe and reliable in busy, complex spaces.

Automatic Tank Refresh

The self-cleaning waste water tank refreshes itself, minimizing manual maintenance between shifts.

Patented Side Brushes

Front-mounted dual brushes capture fine dust and large debris edge to edge in a single pass.

Remote Fleet Management

Full remote deployment and fleet management reduce setup time and operating costs across sites.





Complete Specification Matrix

Manufacturer specifications preserved in dual units — imperial and metric.

PARAMETER	TECHNICAL VALUE
BASIC INFORMATION	
Size (L×W×H)	49.2 × 32.3 × 45.3 in 1,250 × 820 × 1,150 mm
CLEANING	
Cleaning Width	Scrubbing: 23.6 in 600 mm
Max. Cleaning Efficiency (Theoretical)	32,550 ft ² /h 3,024 m ² /h
Clean / Waste Water Tank	19.8 gal / 17.2 gal 75 L / 65 L
MOVEMENT	
Max. Speed	4.6 ft/s 1.4 m/s
Min. Pass Width	35.4 in 900 mm
Min. U-turn Width	51.2 in 1,300 mm
Gradeability	10°
POWER	
Runtime Scrubbing	3–5 h
Battery Capability	90 / 120 Ah (optional)



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



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AlphaRobotics Marvel

The Reliable, Hassle-free Robots You Can Trust



Leading the New Era of Cleaning Robotics

AlphaRobotics Solutions LLC

www.AlphaRoboticsAi.com

Info@AlphaRoboticsAi.com

(818) 659-8338

Smart Tech. Human Touch.