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ROBOTICS SDN BHD

AFS-40 / AUTONOMOUS FLOOR SCRUBBER

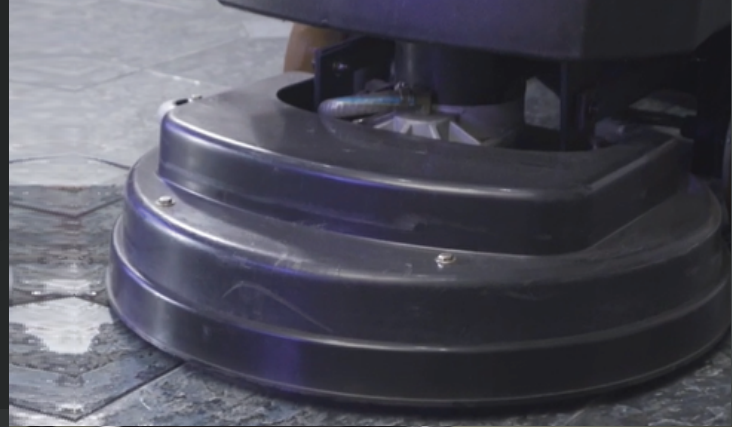


CLEANING MADE EASIER

The Autonomous Floor Scrubber simplify cleaning with their 4 in 1 "Scrub, Sweep, Vacuum & Mop" capabilities and the use of a fully autonomous system, allowing for efficient floor cleaning without manual labor.

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SPEED MATTERS, EVEN WHEN CLEANING FLOORS

Equipped with a brushless motor enables the Autonomous Floor Scrubber to move smoothly, quietly, securely, and with better traction. In emergency situations, the motor also allows the machine to be pushed like a trolley for safety.

STORE MORE, WORRY LESS

A massive 40-liter clean water tank enables the Autonomous Floor Scrubber to clean large areas, like a high-rise building, in one day without the need for refilling. The 50-liter waste tank can store dirt, sand, dust, and other waste.





EYES OF THE ROBOT

The "Eye of the Robot" uses a 2D Lidar and a 3D camera to give the Autonomous Floor Scrubber a complete understanding of its surroundings, allowing it to navigate and interact with objects.



WORK ON. GAME ON.

The Autonomous Floor Scrubber has both manual and automatic modes for control and versatility during cleaning. In manual mode, the user can steer and control the scrubber using a controller for a hands-on approach to clean specific areas or for personal preference.

In autonomous mode, the Autonomous Floor Scrubber cleans independently using sensors and algorithms. It provides a hands-off approach, allowing the user to focus on other tasks while the scrubber cleans the floor.

Having the option to switch between manual and autonomous modes enhances the overall user experience and allows the user to choose the method that best suits their needs and preferences.



A.R.M.S.
SOFTWARE



TOUCH OF YOUR FINGER

A.R.M.S software helps the Autonomous Floor Scrubber clean efficiently by using AI & machine learning to plan paths, avoid obstacles, optimize cleaning patterns, and improve performance through data analysis. It also provides monitoring and control interfaces and generates cleaning performance reports.



SPECIFICATIONS

Model	AFS-40 / Autonomous Floor Scrubber
GENERAL INFO	
Dimension	1240 (L) X 620 (W) X 950 (H)
Noise	65db
Gross Weight	200kg
Warranty	1 year
Aftersales	Battery - 6 months Local
DESIGN	
Clean water tank	40L
Waste water tank	50L
Scrubbing width	510 mm
Squeegee width	772mm
Display	10 inch touch display
CLEANING POWER	
Function	4 in 1 "Scrubbing, Sweeping, Vacuuming & Mopping" (All processes done simultaneously)
Top Speed	1.2 m/s
Area coverage	up to 1440 m2/hr
POWER	
Battery Type	Deep Cycle (Swappable) / Lithium
Battery Power	200Ah
Running Time	4 hours / 8 hours
Charging Time	6 hours / 3 hours
Voltage	24V
FEATURES	
Mapping	Fast mapping process (5 mins)
Path Creation	Fast & flexible point to point pathing process (8 mins)
Supports No-Go zones	Editable restricted area on the map
Smartphone & Tablet Support	App + Laptop/Phone Browser Access
Take over Function	Manual control with remote joystick controller, on-screen joystick or push bar
Obstacle sensor	Low and high (360 deg) obstacle detection
Auto-docking	Self charging (optional)
Elevator integration	Ready to be integrated with elevator system (optional)
Mission/Scheduling Settings	Assign multiple task into 1 simple schedule
Voice Prompt / Audible Alert	Customizable MP3 alert sound
Reporting	Actual real-time detailed operation reports

FEATURES



Reports & Data Log



Notification



Auto Charging



Wifi Communication



Fleet Management



Up to 8 Hours of Battery Life



IoT Ready

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