

FLOORBOTICS



FloorBot Quad 500 Product Brochure

About FLOORBOTICS

FLOORBOTICS employs cutting-edge technology to create set-and-forget robotic cleaners that run autonomously 24/7. With just a simple touch of a button, our robots spring into action, work on your tasks, and then notify you once they have completed their assigned tasks. With the use of sophisticated “set and forget” technology, daily cleaning problems can be minimised, leading to significant reductions in your ongoing expenses.



Leader in Robotic Cleaning Solutions



Scrubbing



Vacuuming



Sweeping

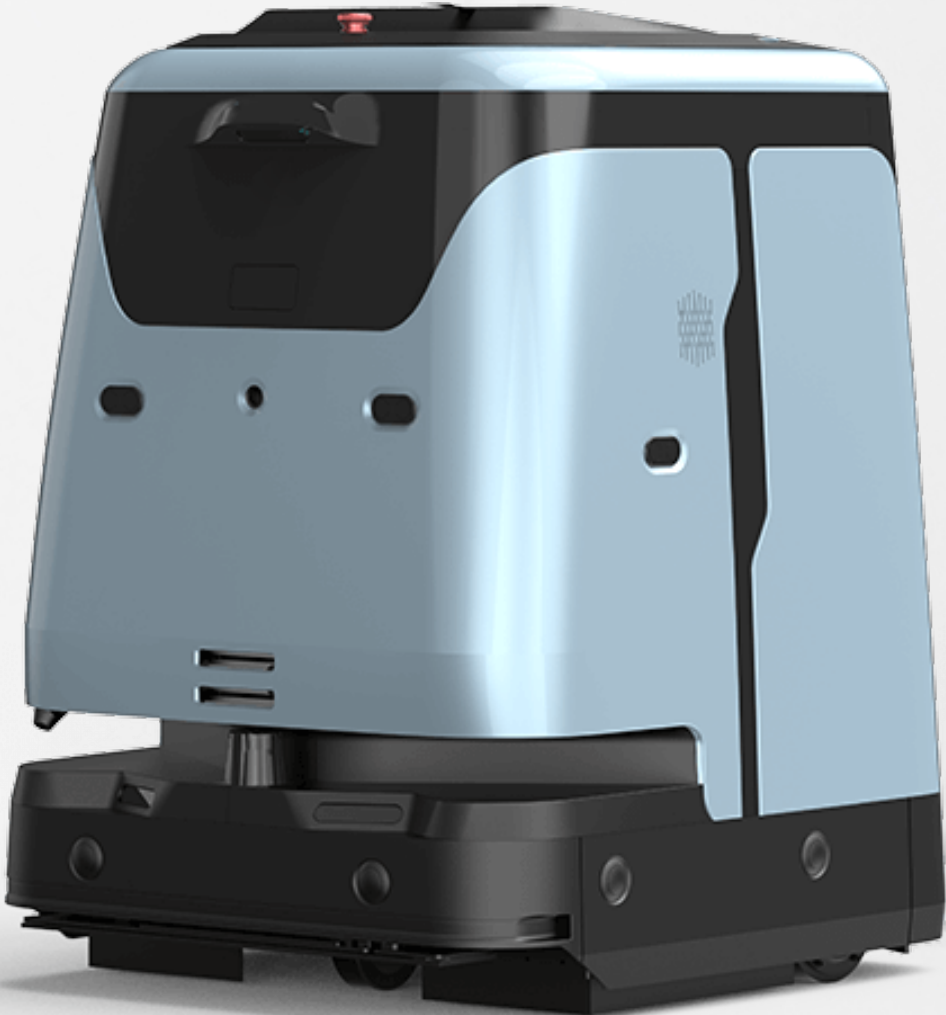


Mopping

4 Cleaning Functions

Maximise the effectiveness, efficiency, and consistency of your cleaning tasks

FloorBot Quad 500



FloorBot Quad 500

Product Specifications

Dimensions	595x540x715 mm (LxWxH)
Weight without water	50 kg
Maximum efficiency	0-1440m ² /h, 576m ² /h as default
Travel speed	0-1m/s, 0.4 m/s as default
Battery	24V 40Ah powerful lithium battery with a total capacity of 960 Wh
Battery life	2.5h scrubbing, 5h sweeping/ vacuuming/mopping, 12h dust mopping
Cleaning width	sweeping/scrubbing/ vacuuming/mopping: 400 mm; dust mopping: 500mm
Minimum wall spacing	0cm
Squeegee width	706 mm
Clean water/sewage tank volume	17L/14L
Maximum noise level	<70 dB(A)
Interactive mode	screen/voice control

FloorBot Quad 500



Self Cleaning

Automatically clears dust and debris from its brushes and internal components



Autonomous Recharging

Automatically return to its dock and recharge when needed



Autonomous Water Loading and Unloading

Able to load and unload water



Autonomous Navigation

Detects obstacles, adapts to layouts, and efficiently plans its cleaning path.



Continue Cleaning from the Last Stop

Automatically return to its dock and, once fully powered, resume cleaning precisely where it left off.



Autonomous Elevator Riding

Enables it to seamlessly travel between floors



Intelligent Patrol Cleaning

Able to map the area and corridors for future cleaning program



Intelligent IoT

Connects effortlessly to your smart IoT ecosystem



“Zero” Wall Spacing

Clean right up to the edge of walls and tight corners with precision



Multi-robot Cooperation

Allows multiple units to work in tandem

A Comprehensive Cleaning Solution for Small-medium Facilities

Applicable environments and flooring types

Hotels | Warehouses | Industrial | Supermarkets | Workspaces | Retail Stores | Hospitals | etc.



Marble



Epoxy



Nylon



Ceramic



Artificial
Marble



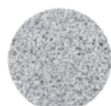
Concrete



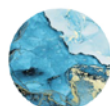
Vinyl



Polyester



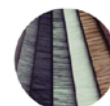
Granite



Tile &
Grout



Hardwood



PVC

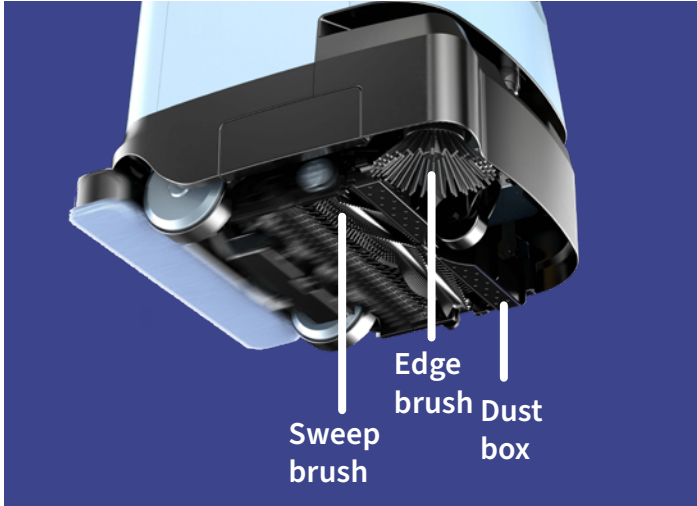
FloorBot Quad 500 Recharging Unit

With a workstation, the robot can easily self-clean the dust mopping pads and drain the sewage tank without human intervention, completely freeing your hands.

- After wiping the floor with the dust mopping pad for a set period, the robot will autonomously return to the workstation, where the cleaning section will deep-clean the dust mopping pad to ensure optimal performance.
- After cleaning the floor, the robot will self-clean its interior to prevent odours in the sewage tank



Core Features:



Sweeping - Clean all corners

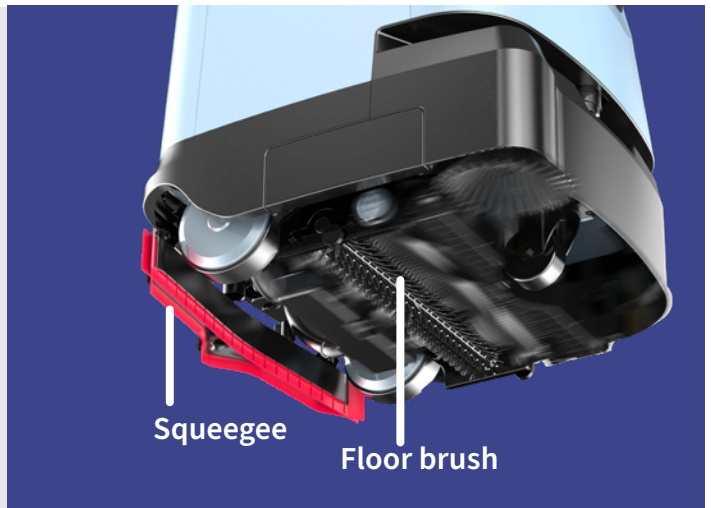
The edge brush cleans corners and sweeps debris towards the centre of the machine.

The main brush then rolls the debris into the dust box.

Scrubbing - Clean stubborn stains

The floor brush applies clean water to the floor and then scrubs it. The squeegee draws the dirty water into the sewage tank.

The sewage tank filters out debris, with larger pieces remaining in the filter for easy cleaning



Dust Mopping - Quiet and gentle

Lower the dust mopping pad to wipe the floor and collect floating dust.

When the robot reaches the edge of the area, the suction fan is activated to pull the dust into the sewage tank



Core Features:



Vacuuming - Deep clean carpet

The roller cloth and brush lift the debris from the floor by rotating in reverse. The two types of waste are separated by a partition, with larger pieces being directed into the dust box. The suction from the air suction motor pulls particles, dust, and dander through the suction pipe into the sewage tank.

Carpet mode - Smarter cleaning

- The unique dual-roller-brush design reaches deep into the carpet to remove dust, hair, debris, and more, achieving a truly deeper clean.
- It autonomously avoids carpet areas while scrubbing and mopping the floor to prevent water stains and keep the carpet 'safe'







“Zero” Wall Spacing Cleaning, Perfect for All Corners

With our self-developed core algorithm, the robot can navigate narrow spaces such as elevators, turnstiles, aisles, and between desks, greatly expanding its cleaning coverage.

FloorBot Quad 500

Available in:

-  Manual mode, walk-behind
-  Autonomous mode
-  Schedule /fleet management
-  Desktop and mobile app

FloorBotics

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