

# FLOORBOTICS



**FloorBot**  
**Quad 1100**  
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



Vacuumping



Sweeping



Mopping

## 4 Cleaning Functions

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

# FloorBot Quad 1100



# FloorBot Quad 1100

## Product Specifications

<b>Dimensions</b>	1340x1024x1350 mm (WxHxD)
<b>Weight without water</b>	380 kg
<b>Maximum efficiency</b>	4,000 m <sup>2</sup> /hr
<b>Brush pressure</b>	35 kg
<b>Battery</b>	38 V / 200 Ah, LiFePO <sub>4</sub>
<b>Battery life</b>	4-5 hours
<b>Sweeping width</b>	1160 mm
<b>Width of the washing cylindrical brush:</b>	800 mm
<b>Strip width:</b>	1024 mm
<b>Clean water tank volume</b>	140 L
<b>Dirty water tank volume</b>	170 L
<b>Coarse dirt container volume:</b>	1.5 L
<b>Maximum noise level</b>	<70 dB(A)
<b>Maximum slope</b>	<8°
<b>Minimum turning width into U:</b>	<1540mm
<b>Sensors</b>	6-beam LiDAR, ultrasonic sensor, cameras, wheel speedometer, IMU, collision sensor, anti-drop sensor

# FloorBot Quad 1100



## Autonomous Driving

Fully automatic safe autonomous driving



## Versatile Adaptability

Adaptable to complex scenarios



## All-in-One Floor Cleaning

Sweeping and washing in one



## Large Capacity

Large battery capacity and water tank



## Cloud Integration

Able to autonomously call and take elevators without human assistance



## Intelligent Detection

Autonomous obstacle avoidance



## Intelligent Mapping

Able to map the area and corridors for future cleaning program



## Automatic System

Automatic charging, filling and emptying of water

## A Comprehensive Cleaning Solution for Medium-Large Facilities

### Applicable environments and flooring types

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



Marble



Epoxy



Nylon



Ceramic



Artificial  
Marble



Concrete



Olefin



Polyester



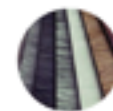
Granite



Belgian  
Bluestone



Hardwood



PVC

# FloorBot Quad 1100 Workstation



# FloorBot Quad 1100 Workstation



**Refilling**

The workstation can be used for water filling



**Emptying**

Disposing waste



**Drainage**

Drains the excess spills and water



**Tank Cleaning**

During refilling, it is possible to automatically clean the tank for dirty water.



**Recharging**

Recharges the FloorBot Quad 1100 machine

**The workstation is designed to support the FloorBot Quad 1100 robot as an optional device**



# FloorBot Quad 1100 Workstation

## Product Specifications

<b>Dimensions</b>	500x436x950 mm (WxHxD)
<b>Weight without water</b>	55 kg
<b>Nominal input voltage</b>	150~265VAC
<b>Input current</b>	≤16A
<b>Output voltage range</b>	8~44±0.4V
<b>Max. charging current</b>	40±0.5A
<b>Water filling rate</b>	8~11L/min
<b>Water drainage rate</b>	4~7L/min
<b>Dirty water tank capacity:</b>	10 L

Supplied as standard with a charger.

Water Filling | Drainage | Charging | Recharging | Refilling



## Accommodation



## Retail Spaces



## Workspaces



## Healthcare



## Supermarkets



## Factory/Warehouse



## Commercial







## Public Venues



## FloorBot Quad 1100

### Available in:

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

FloorBotics

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