



**Sweeper 111**  
High Performer, Whether Indoors or Outdoors



SMART AND FLEXIBLE

## Boost your cleaning productivity

With its large-capacity trash bin and a cleaning efficiency up to 5,500 m<sup>2</sup>/h, Sweeper 111 is designed for heavy-duty cleaning in large sites either indoor or outdoor. Fine dust, waste and trash of various sizes are all within its cleaning capacity supported by its ultra-strong absorption ability.

- 60L trash bin
- Ultra-strong suction motor
- Up to 5,500 m<sup>2</sup>/h cleaning efficiency

ALL-ROUND SAFETY

## Safely navigate indoor or outdoor sites

Sweeper 111 has 360° visibility with 30+ sensors placed all over its machine body. It detects and avoids static and dynamic obstacles from all directions and in real time. With a gradeability up to 11°, Sweeper 111 performs capably at outdoor sites with ramps. Its LED blue projection light adds to the security in cleaning industrial sites where vehicles move around.

- Market-leading 30+ sensors
- Climbing slopes up to 11°
- LED blue light projector

CLEANING MADE EFFORTLESS

## Simplify your work process

Designed to work in autonomy, Sweeper 111 will make cleaning work much easier with little human interference. You can create dumping point and set auto-dumping time in the App, and the robot will recognize the garbage bin and perform autonomous dumping when cleaning is finished. It offers remote access via Gaussian mobile app that enables you to monitor the machine status and control your cleaning progress from anywhere.

- Auto dumping
- Smart obstacle avoidance and rerouting
- Auto charging dock station

## Key Features:

### Ultra-strong Absorption

Able to absorb trash of various shapes and sizes, including fine dust, sand, beverage bottles, milk cartons, cigarette butts, bamboo sticks etc.

### Ergonomic Manual Mode

Equipped with stand-on pedal and steering wheel for effortlessly carrying the machine around

### 360° Visibility

Market-leading 30+ sensors (including 3D LIDAR) placed all over the machine body, reacting to obstacles and environmental changes in real-time for all-round security

### Auto Dumping

Moving to the dumping point and completing the dumping process independently

### Superb Productivity

Up to 5,500 m<sup>2</sup>/h cleaning efficiency with a large-capacity trash bin of 60L

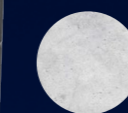
### Auto Charging

Optional charging dock for autonomous power charging

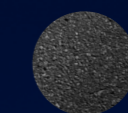


## Superb performance in a broad range of applications:

Manufacturing plants | Logistics warehouses | Schoolyards  
Plazas | Scenic area | Streets | etc



Concrete



Bituminous Road



Rubble Road



PVC & Vinyl



Epoxy



# SPECIFICATION

## DIMENSION

Length	1,530 mm   60 in
Width	1,010 mm   40 in
Height	1,400 mm   55 in
Unladen Weight	500 kg   1,100 lb
Cleaning Width	1,100 mm   43 in

## CLEANING

Max. Cleaning Productivity	5,500 m <sup>2</sup> /h   59,200 ft <sup>2</sup> /h
Max. Air Flow Volume	2 m <sup>3</sup> /min   70.6 ft <sup>3</sup> /min
Max. Trash Size	200*50*50 mm   8*2*2 in
Max. Trash Weight	250 g   0.55 lb
Trash Tray Capacity	60 L   16 gal

## MOVEMENT

Gradeability (Autonomous)	11°
Max. Moving Speed	1.2 m/s   2.7 mph
Min. Passable Width	1,200 mm   79 in
Min. Passable Obstacle Height	40 mm   1.6 in
Min. Turn-around Width (Autonomous)	2,000 mm   79 in

## ELECTRICAL

Battery Type	Lithium Iron Phosphate
Battery Capacity	240 Ah
Rated Voltage	24 VDC
Max. Output Power	2500 W   3.3 hp
Charging Time	4 hours
Uptime (40 Ah / 60 Ah)	≈ 4-7 hours

## SENSING

Standard	3D LiDAR, 2D LiDAR, 3D Camera Anti-drop Sensor, Air Pressure Collision Sensor
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### Gaussian Robotics

Valeton 4 N, 5301LW Zaltbommel, The Netherlands



#### Our Offices:

Singapore 3 Fusionopolis Place, Galaxis Work Loft #04-52/53 Singapore  
HongKong SAR RM 212, Core Building No.1E, Hong Kong Science Park Phase 1, 1 Science Park East Avenue, Shatin, NT  
Mainland China No. 666 Shengxia Rd., Pudong District, Shanghai, China

+31 (0)611872148 E-mail: [support@gausium.com](mailto:support@gausium.com) [www.gausium.com](http://www.gausium.com)

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