



# Autonomous Cleaning Machine C5

Cleaning Expert For Medium & Large Scenes





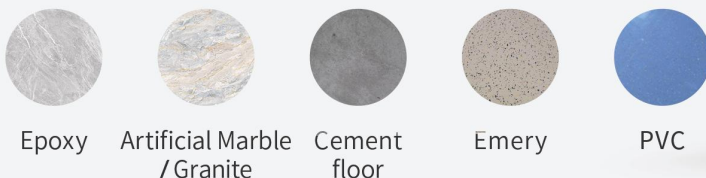
# Autonomous Cleaning Machine C5

The Autonomus Cleaning Machine C5 combines sweeping, scrubbing and dust mopping together. Powered by Agibot Autonomy and with the usage of various sensors, C5 specializes in handling different environment and leading the industry with real-time obstacle avoidance. Equipped with the workstation, C5 can also perform self-charging, waste water disposing, sewage tank rinsing and fresh water refilling in use. C5 can help you improve cleaning quality, increase cleaning productivity, reduce the cleaning cost, which will give you a brandnew intelligent clannning experience. C5 can be widely deployed to supermarkets, airports, industrial buildings, office buildings, hotels, shopping mall, hospitals, and other scenarios.

## Performance Parameters

Dimension	805 (L) * 680 (W) * 1130 (H) mm
Weight	160KG
Battery	24V 80Ah
Noise Level	<68db(A)

## Applicable Flooring Types



## Core Parameters

<b>90</b> L	<b>25</b> kg	<b>550</b> mm	<b>95</b> %
Water Tank Volume	Scrubbing Pressure	Cleaning Width	Debris Removal Efficiency
<b>4</b> min	<b>1980</b> m <sup>2</sup> /h	<b>10000</b> h	<b>3</b> h
Self-cleaning of Sewage Tank	Max Cleaning Efficiency	Fan lifespan	Scrubbing Endurance

## Professional Cleaning



### Strong Cleaning Ability

- + All in one machine( Sweeping, Scrubbing, and Dust mopping)
- + Innovative dual-roller brush structure, combining heavy dirt cleaning and small trash pickup functions, comprehensive garbage cleaning rate >95%
- + Two 400W roller brush motors, with a pressure intensity of 16Kpa, and a maximum water flow of 800ml/min for heavy stain cleaning.
- + Pioneered dual-chamber squeegee design and secondary sewage treatment module, ensuring cleaner wastewater treatment
- + Dual side brushes for precise edge cleaning, reducing the need for corner cleaning tasks

### High Cleaning Efficiency

- + Cleaning width of 550mm, achieving a theoretical cleaning efficiency up to 1980 m<sup>2</sup>/h
- + 90L water tank and 80Ah battery ensure simultaneous water and power endurance, avoiding frequent refills
- + 3 hours of endurance with 1.5 hours of industrial fast charging, extending effective operation time
- + Utilizes advanced automatic zoning algorithms to automatically generate efficient cleaning sub-tasks

### Highly Automated

- + Large debris detection cleaning, which identifies and cleans additional stains during operation, preventing further contamination
- + Missed area scanning and closed-loop cleaning
- + Sewage pipe blockage detection, which prevents abnormal blockages that could lead to excessive waste water residue on the floor
- + Can be equipped with a workstation and mobile water tank for automatic charging and wastewater discharge. With the industry's first self-cleaning wastewater tank feature, it can significantly reduce maintenance time
- + Capable of integration with access control and elevator systems for cross-floor and cross-area cleaning

## Intelligent & Easy to Use



### Easy Deployment

- + Map expansion: New areas can be quickly merged into the map and automatically adjust operational tasks
- + Feature in development: Including full-map automatic zoning capabilities, automatically generating cleaning tasks, which greatly reduces deployment workload. Future updates will be available via OTA (Over-the-Air)
- + Enhanced perception capabilities reduce the workload for mapping virtual walls, ground lights, and accessible pathways
- + Feature in development: Automatic map updates for environmental changes without the need for redeployment. Future updates will be available via OTA (Over-the-Air).

### Easy to Operate

- + Initialization from any location, greatly simplifying on-site usage processes
- + Remote wake-up capability allows for the initiation of operational tasks at any time
- + User-friendly operation with one-click task initiation on both the machine and mobile app, supporting scheduled task triggers
- + Automatic scheduling and report generation, with multi-dimensional visualized data being clear and easy to understand

### Easier Maintenance

- + Automatic fault warning with over 90% coverage of hardware self-checks
- + Remote operation and maintenance for quick fault diagnosis and recovery
- + Routine maintenance is simple and user-friendly, ensuring seamless cleaning operations



## Safe & Reliable

### Safe to Use

- + Dual positioning technology of laser + vision significantly enhances positioning reliability
- + Point cloud + vision fusion perception technology effectively identifies various obstacles
- + 3 hours of floor washing runtime with a 1.5-hour fast charge, extending effective operation time
- + Innovative chassis design increases the laser detection angle, reducing blind spots

### Machine Safety

- + Multiple safety measures such as drop detection, collision detection, and runaway detection ensure the safe operation of the equipment throughout
- + Real-time fault diagnosis with a diagnosis rate of over 90%; actively alerts for abnormal situations
- + Designed to comply with functional safety certification standards, with dual control design for hub motors enhancing safety

### Durable & Long-lasting

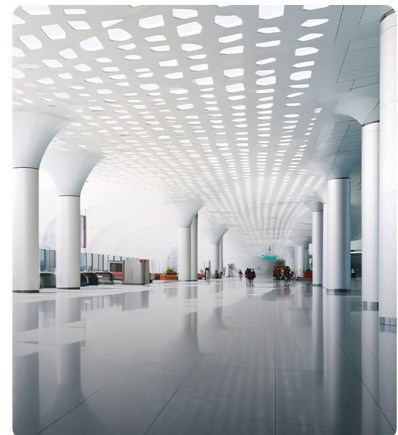
- + High-specification selection of core components, with fan lifespan up to 10,000 hours
- + Dual-pump and dual-circuit design for precise control of water spray volume, enhancing service life



Shopping Mall



Transportation



Factory



Hospital



Large Supermarket



Office Building



## About Workstation

The workstation is equipped with functions such as automatic charging, automatic water filling and drainage, and self-cleaning of the sewage tank, that effectively improves the manpower efficiency of intelligent cleaning equipment deployment. It can be optionally equipped with a mobile water tank, suitable for scenarios where waterway piping modification is inconvenient.

### Performance Parameters

Dimensions	520(L)*310(W)*1038(H)mm
Water Tank Volume	8L
Water Filling Rate	7-10L/min
Sewage Release Rate	10-15L/min
Maximum Power	1800W
Rated Input Voltage	200-240V



### Product Features



#### Autonomous Resupply

Automatic Charging,  
Water Filling & Draining.  
Unmanned Robot Operation.



#### Self-cleaning Water Tank

Automatic Tank Cleaning Post-resupply to Prevent Debris Accumulation and Odor, Reducing Maintenance Frequency.



#### High Adaptability in Deployment

Optional Mobile Water Tank,  
No Plumbing Modification Required.Easy to Deploy and User-Friendly.

## About AgiBOT

Zhiyuan Robot (AgiBOT) is a robotic company with a vision to create unlimited productivity via intelligent machines. Agibot dedicates to the integration of AI+ robot innovation,the creation of a general purpose robot ecosystem and the building of a global leader in intelligent robots. Up to now, Agibot has completed Angel Round, A, A1, A1+, A2, A3 Round and other rounds of financing, Agibot has branches in Shanghai, Beijing, Shenzhen and Singapore.



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