



Professional Cleaning robots

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Une solution 4.0

Our company

Welcome to DARE Automation, your trusted partner in industrial cleaning robots and innovative industrial machines.

At DARE Automation, we envision a future where technology and industry work harmoniously to create a cleaner and more efficient environment. We take pride in supporting our clients in their transition to Industry 4.0 by offering cutting-edge automation solutions tailored to their needs.



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Analysis of current situations

Current solution

Large surface areas such as shopping malls, train stations, airports, parking lots, etc., are currently cleaned with scrubber-dryers. This requires dedicated personnel willing to work night shifts.

New solution

90%
cheaper

We propose a fully autonomous solution that can free workers from repetitive tasks. This solution is highly competitive, as it's 90% times cheaper than human-operated machines.



Product Introduction

This commercial cleaning robot integrates floor washing, vacuuming, and offers 24/7 independent charging, self-cleaning, drainage, and water filling through a full-featured base station.

It can be widely used in hospitals, shopping malls, campuses, exhibition halls, office buildings, terminals, and other places.



Constant upgrade Logicielles

Continuous software updates to keep your product state-of-the-art.



Easy maintenance

Rolling brushes, a clean water tank, and an easily detachable drain tank make cleaning and maintenance simple.



Intelligent cleaning

Fully autonomous floor cleaning with automatic battery charging and water refilling.



Multimodal interaction

Android app and an online dashboard for easy operation of one or multiple units.



Working principles



Perfectly clean the floor

Rotating brushes and a suction system remove all dust and debris. At the same time, a high-pressure water jet in a closed circuit cleans the floor. Clean water and dirty water are separated into two different tanks.



Obstacle avoidance

Multiple obstacle avoidance through the combination of a 3D laser, a camera, and ultrasonic sensors, ensuring precise environmental identification and reliable, secure operation.



Autonomous driving

Automatic navigation with data fusion, detection for autonomous and safe operation.



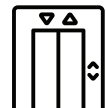
Intelligent motion control

A mobile app and a web page allow you to schedule the robot's cleaning tasks through a comprehensive interface.



Automatic recharging

A station allows the machine to recharge its battery and refill its water and detergent tanks.



Elevator

This machine can clean multiple floors by using the elevator completely autonomously.

User interface

The mobile app and web interface make operation simple and flexible.

The system features multi-robot cloud access, real-time data synchronization and sharing, intelligent monitoring and alarms, and remote task and equipment configuration. Additionally, the app allows you to manage multiple coordinated robots.



Docking station

The robot is capable of automatically recharging its battery, refilling its clean water and detergent tanks, and emptying its dirty water tank.



Production specifications

Dimensions	850(L) X 650 (W)X 1080(H) mm
Weight	150 kg
Volume	35L(Clean), 28L (Sewage)
Efficiency	800m2-1500m2/h
Clean width	500mm
Suction width	600mm
Working noise	<70db
Maximum gradient	<8° (non cleaning mode), <3 (cleaning mode)
Battery	24 LiFePO4
Duration	Wash 3.5 h, mopping 10h
Charging time	2h
Navigation	3D laser navigation
Sensors	3D Laser, 2D laser 2D+ Vision
Docking station	Automatic draining and filling, water and battery charging.

Scénario d'application



Supermarket



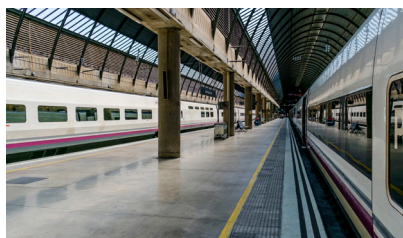
Shopping center



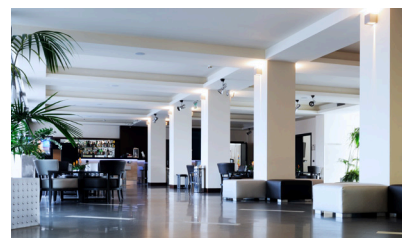
Real estate property



Airport



Station



F&B

