Solutions for Supermarket Cleaning

Smart devices inject technological energy into supermarket cleaning, comprehensively improving cleaning quality and enhancing the overall image

Pain points in supermarket aplication



Employment risks

- Personal safety risks during the operation
- Cleaning staff are older and posing health risks
- Low education level and high management risk



L Cost pressure

- The aging of cleaning staff and the financial risks brought by employment risks are great
- High turnover rate and high recruitment costs
- The cleaning staff is old and the management cost is high



Poor cleaning quality

- The cleaning process is not transparent and the results cannot be guaranteed
- Fresh food areas are prone to dirt and secondary pollution, requiring high cleaning frequency and effectiveness.
- The cleaning staff is old and not very efficient



Supermarket application requirements

Cleaning Quality Improvement

Overall cost reduction

Improve the owner's image

Controllable operation process Reduce labor intensity

Advantages of AgiBot



Corporate Strength

- AgiBot C5 has conducted extensive application research and testing in supermarkets, and its products meet the cleaning requirements of various areas in supermarkets.
- Professional after-sales team provide 24-hours service

Providing professional solutions tailored to supermarket application.

- For supermarket application, we have an in-depth understanding of the characteristics of different regions and provide corresponding professional solutions
- AgiBot C5 can perform sweeping, scrubbing and dust mopping functions, which can easily clean oil stains and efficiently collect solid waste.
- Deep learning algorithms allow all types of shelves and goods to easily avoid obstacles and run close to the edge
- Workstations can be configured to operate 24 hours a day, which improves cleaning frequency and quality and strengthens cleaning in high-sensitivity areas
- Operate in different time periods and zones to avoid peak traffic flow and ensure full coverage of the floor is cleaned before opening.
- For daily equipment maintenance, C5 can perform self-cleaning of the sewage tank, reducing manual maintenance time by more than half.

Supermarket application solutions (fresh food area, grain and oil area, other areas)



Fresh Food Area

- Working area characteristics: The ground is covered with mud, vegetable leaves, water stains, etc., large-scale replenishment is required every day, and there is a large flow of people in the area
- Suggested device: AgiBot C5
- Operation plan: AgiBot C5 is used to perform a regional floor-covering scrubbing before opening, and perform floor-covering scrubbing after peak traffic hours (usually morning and night when traffic is large). The frequency of cleaning is increased in the area during the day to avoid secondary pollution and the cleaning quality is improved.



Grain and Oil Area

- Floor characteristics: There are small particles of garbage on the ground, and there is a layer of oil film in some areas
- Suggested device: AgiBot C5
- AgiBot C5 is used to ensure that a regional coverage floor scrubbing work is carried out before opening. A separate task is set up and a small amount of detergent is added to scrub the floor to ensure that the ground particles are collected and the floor is cleaned at the same time.



Other Areas

- Floor characteristics: There are oil stains, solid garbage, tables and chairs on the ground
- Suggested device: AgiBot C5
- Operation plan: Ensure that the AgiBot C5 is used to perform a full coverage scrubbing before opening, and at least one floor-covering scrubbing shall be conducted during the day.

Advantages of Supermarket solutions

Operation Scenario	Working area	Work zone	Cleaning Mode	Traditional cleaning			Smart cleaning			Solution Value
				Frequency/ day	Time consuming	Number of people	Frequency/ day	Time consuming	Number of Robots	Solution value
Supermarkets	800	Fresh Food Area	Full-time floor scrubbing	3+ maneuverability	2		4	6	1 unit of AgiBot C5	1 unit of AgiBot C5 is used to replace one cleaning staff Ensure that a a full-coverage floor cleaning is completed every morning after replenishment and before opening, and the entire area is scrubbed twice a day. Enhanced cleaning of specific areas during daytime hours to avoid peak traffic times Double-chamber suction scraper is adopted to ensure no water remains on the ground
	400	Grain and Oil Area	Full-time floor scrubbing	2	1	2	4	4		
	2000	Other Areas	Scrubbing the floor twice a day	2	2		2	6		

Value of Supermarket solutions

Staff

- Reduce the number of cleaning staff
- Reduce cleaning labor intensity Reduce employment risks
- Reduce labor management work

Management

- The operation process is transparent and controllable
- Digitization of work results
- Increased cleaning frequency and improved cleaning quality
- Human-machine combined cleaning improves image of cleaning staff



Cost

- Reduce labor costs
- Reduce management costs
- Improve cleaning quality, reduce residual water on the ground, and reduce the risk of slipping and other risks
- Improve operational efficiency and reduce overall costs

