

Residential Robotic Vacuum Cleaner Market By Type (Floor vacuum cleaner, Pool vacuum cleaner) , By Distribution channel (Offline, Online) : Global Opportunity Analysis and Industry Forecast, 2024-2033

Market Report | 2024-07-01 | 200 pages | Allied Market Research

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Report description:

Residential Robotic Vacuum Cleaner Market

The residential robotic vacuum cleaner market was valued at \$2.6 billion in 2023 and is projected to reach \$9.6 billion by 2033, growing at a CAGR of 13.9% from 2024 to 2033.

Residential robotic vacuum cleaner is an automated machine designed for floor cleaning in residential settings. The vacuum cleaner comes equipped with cleaning essentials and sensors, along with vacuum capabilities for the collection of dust and garbage. The equipment makes use of laser and camera technologies to scan & navigate around the home easily, avoiding the furniture and cleaning below them. Minimal to zero human interaction is the key characteristic of these robotic vacuum cleaners. Increase in demand for smart home technologies owing to notably busy lifestyles of consumers is a key driver of the residential robotic vacuum cleaner market. Furthermore, rise in urbanization has augmented the concerns pertaining to sustainability, boosting the adoption of robotic vacuum cleaners, as they are more energy efficient as compared to the conventional vacuum cleaners. The integration of innovative features such as voice command and AI & machine learning algorithms is currently trending in the market. These features improve the functioning of the equipment, including obstacle recognition, cleaning efficiency, and space navigation.

Despite the popularity of robotic cleaners, the residential robotic vacuum cleaner market faces challenges in its expansion due to the high cost. The high cost remains a substantial barrier for the price-sensitive consumers. In addition, robotic vacuum cleaners possess restricted flexibility in complicated layouts, hence limiting their adoption and restraining the development of the market. On the contrary, constant innovations and modifications in the equipment indicate a bright future for the market. For instance, Xiaomi, a Chinese manufacturer of consumer electronics, recently launched a robotic vacuum cleaner with laser navigation, personalized cleaning schedules, automated garbage disposal & drop prediction. Furthermore, the vacuum cleaner is assimilated with enhanced safety features such as Map Management MJA1 Security Chip Encryption and Privacy Protection Standard

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Certification for safe cloud storage and map transmission.[]

Segment Review[]

The residential robotic vacuum cleaner market is segmented into type, distribution channel, and region. On the basis of type, the market is bifurcated into floor vacuum cleaner and pool vacuum cleaner. As per distribution channel, it is divided into offline and online. Region wise, it is analyzed across North America, Europe, Asia-Pacific, Latin America, and Middle East & Africa.[]

Key Findings[]

On the basis of type, the floor vacuum cleaner segment held the highest market share in 2023.[]

As per distribution channel, the offline segment acquired a high stake at the market in 2023.[]

Region wise, North America was the highest revenue generator in 2023.[]

Competition Analysis[]

The major players operating in the global residential robotic vacuum cleaner market include Ecovacs Robotic Co. Ltd, Roborock Technologies Co. Ltd, LG Electronics, Inc, iRobot Corporation, Cecotec Innovaciones SL, Neato Robotics Inc., Electrolux AB, SharkNinja Operating LLC, Panasonic Corporation, and Haier Group Corporation. These players have adopted various key developmental strategies such as business expansion, new product launches, and partnerships to strengthen their foothold in the market.[]

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- Market share analysis of players at global/region/country level
- SWOT Analysis

Key Market Segments

By Type

- Floor vacuum cleaner
- Pool vacuum cleaner

By Distribution Channel

- Offline
- Online

By Region

- North America
- U.S.
- Canada
- Mexico

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- Roborock Technologies Co. Ltd
- LG Electronics, Inc
- iRobot Corporation
- Cecotec Innovaciones SL
- Neato Robotics Inc.
- Electrolux AB
- SharkNinja Operating LLC
- Panasonic Corporation
- Haier Group Corporation

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