

Industrial Vacuum Cleaner Market Assessment, By Type [Dry, Wet and Dry], By Power Source [Electric, Pneumatic], By System [Stationary, Portable], By End-user Industry [Food and Beverages, Pharmaceuticals, Manufacturing, Metalworking, Building and Construction], By Region, Opportunities and Forecast, 2017-2031F

Market Report | 2024-11-27 | 223 pages | Market Xcel - Markets and Data

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Report description:

Global industrial vacuum cleaner market is projected to witness a CAGR of 5.63% during the forecast period 2024-2031, growing from USD 826.05 million in 2023 to USD 1280.28 million in 2031. Industrial expansion and integration of smart manufacturing technologies, such as IoT (Internet of Things), data analytics, and automation, are expected to evolve the industrial vacuum cleaner market. Industrial vacuums are anticipated to be equipped with IoT capabilities, enabling users to monitor and control cleaners off the field. This will lead toward predictive maintenance, helping avoid breakdowns and enable peak performance. Real-time data can capture usage patterns, maintenance requirements, or business efficiency to enable data-driven decisions. Advanced filtration technologies, including high efficiency particulate air (HEPA) filters and higher ratings, are expected to become standard to capture more particulate and allergen matter to further improve indoor air quality. The innovation of self-cleaning technology works to reduce the time and operation of maintaining and cleaning out filters during work operation. Autonomous industrial vacuums with AI (Artificial Intelligence) algorithms and machine learning adapt to rearranged facilities and obstructions in complex places. Industrial vacuum cleaners are in high demand from industries that have stringent cleanliness standards, such as pharmaceuticals, food and beverage, and electronics. Effective cleaning solutions are required to meet these standards, ensuring the demand for top-of-the-line industrial vacuum cleaners. The latest cordless technology in vacuum cleaners is expected to impact the demand for the industrial vacuum cleaner market. For instance, in August 2024, Quirepace Ltd. launched a new cordless industrial vacuum cleaner, BVC IV60 eGX. With a 1.5kW power output and a 0.5-1 hour runtime, the BVC IV60 eGX can handle a lot of demanding cleaning tasks, whereas a mains-powered device with a trailing lead could be dangerous. Both wet and dry tanks and an extensive assortment of hoses and tools are available for new machines.

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Focus on Cleanliness and Hygiene Along with Diverse Applications to Fuel Market Growth

The industrial vacuum cleaner market has been growing at a fast pace in recent years, owing to various factors that ensure a wide range of applications among industries. For instance, the pharmaceutical, food and beverage, and electronics industries have maintained separate regulations over cleanliness. To abide by strict standards, proper cleaning solutions are greatly preferred, leading to the increased usage of industrial vacuum cleaners.

The installation of IoT and smart technology in industrial vacuum cleaners opens the possibility of being remotely monitored and data analysis. It allows features for predictive maintenance, optimizing time for cleaning activities to enhance efficiency in operation. The system thus becomes more appealing to manufacturers. Innovations, such as powerful suction capacity, advanced filtration systems, such as HEPA and ULPA (Ultra Low Particulate Air) filters, and energy-efficient designs make industrial vacuum cleaners very effective for a wider customer base. Organizations are forced to adopt cleansing practices as health and safety standards in many industries are gradually becoming known. Industrial vacuum cleaners really do improve dust, allergens, and other debris control that further contribute to broader workplace safety. Companies focus on introducing vacuum cleaners with different holding capacities and a diverse range of applications.

For instance, in April 2023, Inalsa Appliances Limited launched a new range of wet and dry vacuum cleaners. These cleaners are launched in 3 capacities of 12 liters, 20 liters, and 25 liters in stainless steel. The new range of vacuum cleaners can be purchased online from e-commerce websites and is available in offline markets as well.

Rapid Automation, Robotics, and Workspace Guidelines Shape the Market Dynamics

The integration of automation and robotics is revolutionizing the global industrial vacuum cleaner market. This transformative trend is driven by the need for enhanced efficiency, precision, and operational cost reduction across various industries. The emergence of autonomous vacuum systems, equipped with advanced sensors and AI capabilities, is reshaping traditional cleaning processes. These robotic vacuums can navigate complex environments, adapt to obstacles, and perform cleaning tasks with minimal human intervention. Automated industrial vacuum cleaners often incorporate IoT technology, enabling remote monitoring, data collection, and real-time analytics. This connectivity allows businesses to optimize cleaning schedules and track equipment performance. Robotic vacuum cleaners operate continuously without breaking, significantly increasing productivity. They can cover large areas quickly and consistently, reducing cleaning times and labor costs. Automated systems provide uniform cleaning results, ensuring that standards are maintained across facilities. Advanced sensors and mapping technologies enable precise cleaning patterns and thorough coverage.

For instance, in August 2024, Alfred Karcher SE & Co. KG launched a new entry-level class industrial vacuum named IVR-L 40/20-2. This is made possible by the clear drain hose with filling level indication, accessories holders for four nozzles, and a 360-degree rotational suction hose connection that can be fastened to the machine's top. Therefore, the new IVR-L 40/20-2 industrial vacuum is outfitted with a big set of oil-resistant wheels, an oil-resistant hose, and a sturdy 40-liter steel container.

Suitable to SMEs and Increased Versatility to Fuel Portable Segment

Based on the system, the portable segment is expected to dominate the market share during the forecast period. The multi-application usage of portable industrial vacuum cleaners is adding ease of mobility and accessibility. Portable industrial vacuum cleaners are designed for a wide range of applications across different sectors, including manufacturing, construction, and automotive. Their ability to handle various cleaning tasks, from dust and debris to liquid spills, makes them invaluable tools in diverse environments. The lightweight and compact design of portable vacuums allows for easy transportation within facilities. This mobility enables operators to move quickly between work areas, enhancing cleaning efficiency and reducing downtime. Portable industrial vacuum cleaners tend to be more cost-effective compared to larger stationary systems. This affordability makes them attractive to small and medium enterprises (SMEs) that require efficient cleaning solutions without significant capital investment. Apart from the portability, companies tend to focus on functionality, allowing the machine to adapt to wet, dry, or heavy-duty jobs.

For instance, in June 2024, Kerstar (Absolent Air Care Group) introduced a new continuous-duty vacuum range. This new range includes two models, the DGF Twin Venturi Wet or Dry and the ESS 5.2KW High Suction 400v 50l Type H. With its unparalleled adaptability and dependability, the DGF is an air-powered vacuum cleaner that can be used in wet and dry conditions. In addition, the ESS is a powerful three-phase electric vacuum cleaner that is perfect for heavy-duty jobs due to its great suction power.

Asia-Pacific to Dominate Industrial Vacuum Cleaner Market Share

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Based on region, Asia-Pacific leads the market share in terms of revenue and is anticipated to flourish with major growth factors. The expanding industries and new guidelines for hygiene, cleanliness, and sustainable vacuuming are expected to transform the regional landscape of the market. Governments across these emerging economies are focusing on work hygiene. The ever-increasing efforts in infrastructure work spread throughout the region, proliferating building activities. With this, they face the need for the latest cleaning technologies to adhere to those safety and hygiene standards.

Increased urbanization in countries, such as China and India, is growing the demand for industrial cleanliness solutions within cities. As cities expand, the requirement for effective waste management and cleanliness in industrial regions automatically increases. As the trend continues, many countries in Asia-Pacific have started investing considerably in research and development. Consequently, such interest in innovation has led to innovative advanced industrial vacuum cleaners, which help brands deliver vacuum cleaners that deliver diverse applications with high-end suction capacity. Companies in India are targeting different industries that demand enhanced suction power.

For instance, in March 2022, Panasonic India Ltd., a part of Panasonic Corporation, launched a powerful tank-type vacuum cleaner range designed for the Jammu and Kashmir market. The energy-efficient vacuum cleaner line is designed to give users a convenient, powerful, and healthy cleaning experience. Its 2000 W motor and 18-liter dust tank capacity combine to produce excellent suction power. With this capacity, the model serves the cleaning requirements of the carpet industry, religious establishments, and the food and beverage sector in addition to households.

Future Market Scenario (2024 – 2031F)

Smart technology integration and enhanced filtration systems, such as HEPA and self-cleaning filters, are projected to fuel the market during the forecast period.

Focusing on sustainability and usage of recyclable components is expected to advance the market structure while expanding its presence. For instance, in April 2024, Nilfisk Group launched a vacuum made from 30% plastic consumer waste. By keeping consumer waste out of landfills, the new VP300 R closes the loop on plastic items by including 30% PCR (Post-Consumer Recycled) plastic.

New filtration technology, efficient performance, and heavy-duty vacuum cleaners for longer industrial operations are expected to fuel market growth.

Key Players Landscape and Outlook

Key market players in the industrial vacuum cleaner market are employing multifaceted strategies to strengthen their competitive position and drive growth. These strategies include investing in research and development to innovate advanced cleaning technologies, such as IoT integration and automation, which enhance operational efficiency and user experience. Companies are focusing on expanding their product portfolios to cater to diverse industry applications, ensuring they meet specific customer needs across sectors such as manufacturing, healthcare, and construction.

Additionally, strategic partnerships and collaborations with local distributors help players penetrate emerging markets in Asia-Pacific and beyond. Furthermore, a growing emphasis on sustainability is prompting manufacturers to develop eco-friendly and energy-efficient vacuum solutions, aligning with global environmental standards and enhancing their appeal to environmentally conscious consumers. Companies tend to launch new product catalogs for a wide range of industrial applications. For instance, in June 2024, Depureco Industrial Vacuums S.r.l. introduced its new catalog for high-performance industrial vacuums. The company has unified its catalogs for single-phase and three-phase high-power industrial vacuums. These products focus on effective, fast cleaning, higher safety, and enhanced productivity.

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*All segments will be provided for all regions and countries covered

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*Companies mentioned above DO NOT hold any order as per market share and can be changed as per information available during research work.

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