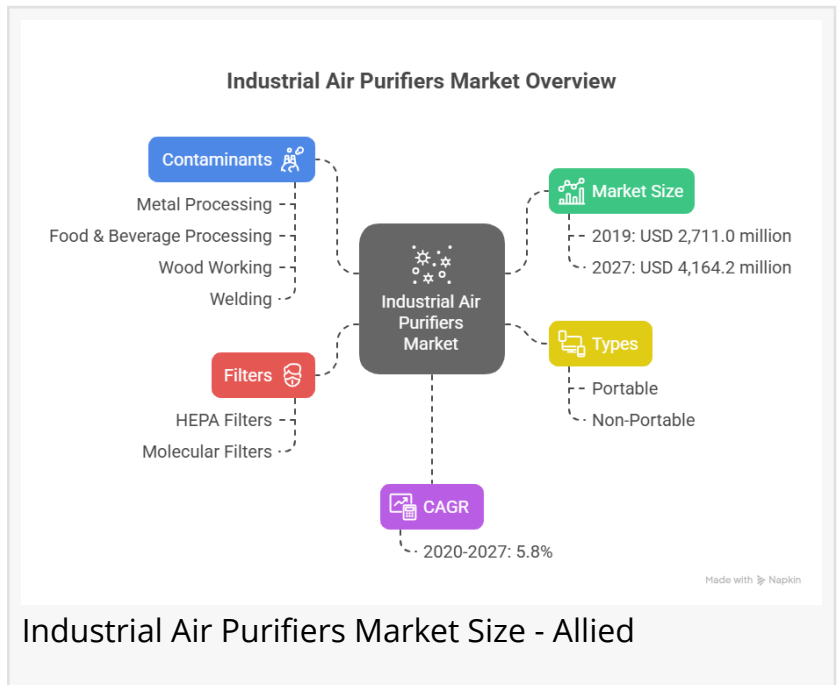


Industrial Air Purifiers Market: Projected to Grow from USD 2,711.0 Million in 2019 to USD 4,164.2 Million by 2027

Industrial Air Purifiers Market Size, Share, Competitive Landscape and Trend Analysis Report

WILMINGTON, DE, UNITED STATES, June 24, 2025 /EINPresswire.com/ -- Market Overview

The global <https://www.alliedmarketresearch.com/request-sample/A06290>, valued at USD 2,711.0 million in 2019, is projected to reach USD 4,164.2 million by 2027, exhibiting a robust compound annual growth rate (CAGR) of 5.8% from 2020 to 2027. Industrial air purifiers, also known as industrial air cleaners, are critical devices designed to purify indoor air in industrial settings, ensuring a safe and healthy environment for employees. Available in both portable and non-portable forms, these systems address air contamination caused by various industrial processes, including metal processing, food and beverage production, woodworking, and welding. The increasing demand for clean indoor air in industrial facilities, coupled with growing concerns about employee health and environmental sustainability, is driving the market's expansion.



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Importance of Industrial Air Purifiers

Industrial air purifiers are essential for maintaining high indoor air quality (IAQ) in workplaces where industrial processes release harmful particulates and pollutants. Processes such as welding, metal cutting, and food processing generate smoke, chemical fumes, fine dust, and other airborne contaminants that remain concentrated in enclosed spaces. These pollutants pose significant health risks to employees, particularly those working long shifts of eight to nine hours, during which they are continuously exposed to hazardous particles. Prolonged exposure can lead to severe health issues, including respiratory problems and other long-term conditions.

Industrial air purifiers employ advanced filtration technologies, such as high-efficiency particulate air (HEPA) filters and molecular filters, to effectively capture smoke particles, fine dust, mold spores, and fumes, including oil mist. By mitigating these risks, air purifiers promote employee safety and well-being, making them indispensable in industrial environments.

Market Dynamics

Drivers

The growth of the global industrial air purifiers market is primarily driven by the increasing global demand for processed food, metal fabrication, and other industrial activities. The rise in industrial employment has heightened the need for safe working conditions, as employees are directly exposed to polluted indoor air. For instance, industrial processes like metal processing and food production release fine particles and chemical fumes that degrade IAQ, necessitating the use of air purifiers to maintain a healthy workplace. Additionally, the global rise in air pollution, evidenced by phenomena such as thick smog and frequent acid rain, has underscored the importance of clean air, both indoors and outdoors. This has further amplified the demand for industrial air purifiers, as companies strive to comply with occupational health and safety regulations and protect their workforce.

Restraints

Despite the growing demand, the high initial cost of industrial air purifiers remains a significant barrier to market growth. These systems are equipped with high-capacity air intake mechanisms and advanced filtration technologies, which are expensive to manufacture and install. Moreover, industrial air purifiers consume substantial amounts of electricity during operation, adding to operational costs. These factors can deter small and medium-sized enterprises (SMEs) from adopting these systems, particularly in cost-sensitive markets. The high upfront and operational costs thus pose a challenge to the widespread adoption of industrial air purifiers, restraining market expansion.

Opportunities

Technological advancements in air purification systems present significant opportunities for market growth. The integration of smart technologies, such as IoT-enabled sensors and automated monitoring systems, allows for real-time air quality assessment and optimized purifier performance. These innovations enhance the efficiency and usability of air purifiers, making them more appealing to industrial users. Additionally, the development of energy-efficient filtration systems, such as those introduced by companies like Camfil, offers cost-saving benefits that could mitigate the impact of high initial costs. As industries increasingly prioritize sustainability and worker safety, these advancements are expected to create lucrative opportunities for market players during the forecast period.

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Market Segmentation

By Type

The industrial air purifiers market is segmented into molecular and particulate purifiers. In 2019, the molecular segment accounted for the highest revenue share, driven by the increasing demand for purifiers capable of capturing gaseous pollutants and chemical fumes. Molecular purifiers utilize advanced filtration technologies, such as activated carbon and molecular sieves, to effectively remove volatile organic compounds (VOCs) and other gaseous contaminants. This segment is projected to grow at a significant CAGR, reflecting the rising need for comprehensive air purification solutions in industries with high chemical emissions.

By Portability

Based on portability, the market is divided into portable and non-portable air purifiers. Portable purifiers offer flexibility and ease of use, making them suitable for smaller industrial spaces or areas with varying air quality needs. Non-portable systems, on the other hand, are designed for large-scale industrial facilities with consistent high levels of air pollution. The choice between portable and non-portable systems depends on the specific requirements of the industrial setting, with both segments contributing significantly to market growth.

By End-User Industry

The market is further segmented by end-user industry into food and beverage, metal processing, agriculture, construction, and others. In 2019, the metal processing segment held the dominant market share, driven by the high volume of pollutants generated during activities such as welding, cutting, and grinding. These processes release fine dust, smoke, and chemical fumes, necessitating robust air purification systems. The food and beverage industry also represents a significant market segment, as the use of powdered ingredients and processing activities generates airborne contaminants that require effective filtration.

By Region

Geographically, the industrial air purifiers market is analyzed across North America (U.S., Canada, Mexico), Europe (Germany, UK, France, rest of Europe), Asia-Pacific (China, India, Japan, rest of Asia-Pacific), and LAMEA (Latin America, Middle East, Africa). In 2019, Asia-Pacific held the largest market share, driven by rapid industrialization, large-scale manufacturing, and increasing awareness of workplace safety regulations in countries like China and India. The LAMEA region is expected to exhibit the highest growth rate during the forecast period, fueled by growing industrial activities and rising investments in environmental sustainability.

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Competitive Landscape

The industrial air purifiers market is highly competitive, with key players focusing on product innovation and strategic acquisitions to strengthen their market position. Major companies profiled in the market include Camfil, Honeywell International Inc., SPX Corporation, Trotec GmbH, Parker Hannifin Corporation, Euromate BV, VFA Solutions B.V., Daikin Industries, Ltd. (AAF

International), Airoshine Air Purifiers, and Mankastu Impex Pvt. Ltd. (Atlanta Healthcare).

Key Developments

Product Launches: In February 2020, Camfil introduced Megalam EnerGuard and Absolute V HEPA filters for cleanroom applications. These filters offer enhanced energy efficiency, with the Absolute V model providing over 20% energy savings, making it one of the most energy-efficient solutions in the market.

Acquisitions: In February 2017, Parker Hannifin acquired Clarcor, a U.S.-based provider of industrial air filters and purifiers. This acquisition strengthened Parker Hannifin's portfolio and expanded its presence in the industrial air purification market.

These strategies enable companies to enhance their product offerings and cater to the evolving needs of industrial clients, further driving market growth.

Key Benefits for Stakeholders

This comprehensive market analysis provides valuable insights for stakeholders, including:

Market Trends and Dynamics: An in-depth examination of current and emerging trends shaping the industrial air purifiers market.

Segment Analysis: Detailed estimations for key market segments, including type, portability, end-user industry, and region, from 2019 to 2027.

Competitive Insights: Analysis of key product positioning and strategies of top competitors, offering a clear understanding of the competitive landscape.

Regional Opportunities: Comprehensive opportunity analysis across all regions, highlighting high-growth markets such as LAMEA.

Forecast Analysis: Accurate market forecasts from 2020 to 2027, enabling stakeholders to make informed strategic decisions.

The global industrial air purifiers market is poised for significant growth, driven by increasing industrialization, rising awareness of workplace safety, and advancements in air purification technologies. Despite challenges such as high initial costs, the market is expected to benefit from technological innovations and growing demand across industries like metal processing and food and beverage. With Asia-Pacific leading the market and LAMEA emerging as a high-growth region, stakeholders have ample opportunities to capitalize on this expanding market. By leveraging product innovation and strategic partnerships, key players can further strengthen their foothold in the global industrial air purifiers market, delivering solutions that enhance workplace safety and environmental sustainability.

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