

North America Industrial Fans Market Forecast to 2030 - Regional Analysis by Technology (Centrifugal, and Axial), and Industry (Chemical & Petrochemicals, Healthcare, Automotive Manufacturing, Food & Beverage, Oil & Gas, Mining, and Others)

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Abstracts

The North America industrial fans market is expected to grow from US\$ 1.47 billion in 2022 to, US\$ 2.65 billion by 2030; it is estimated to register a CAGR of 7.7% during the forecast period.

The elimination of contaminants is a major concern in the food & beverages industry. Every stage of manufacturing a food product, from packaging to storage, must adhere to stringent safety guidelines to ensure human health and legal compliance. Many food products are susceptible to contamination and bacterial and fungal infestation and growth. Hence, proper ventilation is necessary to keep them from perishing due to moisture or mold growth. Industrial fans are a crucial part of the food & beverages industry. The food industry systems such as ovens, ventilation systems, and exhaust includes fans to prevent overheating, spoilage, and food deterioration. In food processing and beverage industries, industrial fans have a wide range of operations connected to the whole supply chain, from raw materials to finished goods. In the food processing units, industrial fans carry out various tasks such as general ventilation, supply, exhaust, combustion, drying, heating, cooling, dust collecting, and air filtering. In February 2022, Tyson Foods Inc. completed the expansion project at its cocktail sausage manufacturing facility in Kentucky for US\$ 83 million. This expansion was done to increase the production capacity by 50%. As the demand for production increases, the need for providing efficient cooling, ventilation, and airflow at these production facilities also arises. To cater to this growing need, the industrial fans market has been experiencing huge adoption across the North America region. Industrial fans are widely

used in the food & beverages industry for the following applications:

Food Drying: Industrial fans help in the drying of washed fruits and vegetables as well as the reduction of water volume in some products.

Cooking: Industrial fans are used in the food processing units while cooking. Industrial fans are placed directly over ovens and furnaces. Industrial fans are widely used during high-pressure cooking.

Packaging and Storage: Using high-pressure industrial fans in the food processing units is necessary for effective product packaging. It is used to create a vacuum inside containers or other forms of storage before filling them with finished goods.

Thus, numerous applications of industrial fans are increasing their demand from the food & beverages industry, thereby driving the North America industrial fans market.

The power demand is rising due to a surge in economic development, rise in population, high standards of living, and rise in technological developments. Developed countries consume huge amounts of energy, and the demand for energy is increasing in several countries. Rapid urbanization led to the development of the processing & manufacturing industry, which requires a huge amount of power for all operations. As more people are shifting to urban areas, the demand for energy for lighting, cooking, domestic appliances, and heating is also expected to increase. Further, the growing use of air conditioners in homes and offices is the key factor driving the regional demand for electricity. In 2022, according to the US Energy Information Administration, electricity consumption in the United States was ~US\$ 4 trillion. The rising power consumption will further increase the installation of power generation units such as nuclear power plants, hydropower plants, and coal and thermal power plants. These power plants will require industrial fans during the combustion process and for cooling inverters and generators. Therefore, such rise in power and electricity consumption is likely to boost the deployment of industrial fans across different industry facilities and expected to provide future opportunities for the North America industrial fans market growth during the forecast period.

Witt & Sohn AG, Airmaster Fan Co, Johnson Controls International Plc, Systemair AB, ebm papst Inc, Greenheck Fan Corp, Jan Fan Inc, Airmax Fans, Patterson Fan Company Inc, and Triangle Engineering Inc are among the key industrial fans market players operating in the North American market. Various other industrial fans market players have been analyzed during the study that are coming up with advanced

technologies and offerings to contribute to the industrial fans market proliferation.

The enactment of lockdowns and travel restrictions, the temporary shutdown of production facilities, and the shortage of employees had adversely affected the performances of major players in North America's industrial fans. However, prominent industrial fans market players in North America have taken several strategic initiatives to accelerate the industrial fans market growth. In March 2020, Hunter Industrial Fans launched its commercial fan line known as "Trak." The Trak is designed and engineered with a commercial-grade motor and extruded aluminum blades for a long lifespan and optimal airflow, thereby contributing to the region's industrial fans market growth.

Contents

1. INTRODUCTION

- 1.1 Study Scope
- 1.2 The Insight Partners Research Report Guidance
- 1.3 Market Segmentation

2. KEY TAKEAWAYS

3. RESEARCH METHODOLOGY

- 3.1 Coverage
- 3.2 Secondary Research
- 3.3 Primary Research

4. NORTH AMERICA INDUSTRIAL FANS MARKET LANDSCAPE

- 4.1 Market Overview
- 4.2 North America PEST Analysis
- 4.3 Ecosystem Analysis
- 4.4 Expert Opinion

5. NORTH AMERICA INDUSTRIAL FANS MARKET- KEY MARKET DYNAMICS

- 5.1 Market Drivers
 - 5.1.1 Increasing Demand from Food & Beverage Industry
 - 5.1.2 Growing Use of Industrial Fans in Oil & Gas, Cement, Chemical, Mining, and Manufacturing Industries
- 5.2 Market Restraints
 - 5.2.1 Fluctuating Cost of Raw Materials
- 5.3 Market Opportunities
 - 5.3.1 Rise in Power Consumption due to Urbanization
- 5.4 Future Trends
 - 5.4.1 Technological Advancement in Industrial Fans
- 5.5 Impact Analysis of Drivers and Restraints
 - 5.5.1 North America Industrial Fans Market: Impact Analysis of Drivers and Restraints

6. INDUSTRIAL FANS MARKET– NORTH AMERICA MARKET ANALYSIS

- 6.1 North America Industrial Fans Market Overview
- 6.2 North America Industrial Fans Market Forecast and Analysis
- 6.3 Market Positioning – Five Key Players

7. NORTH AMERICA INDUSTRIAL FANS MARKET REVENUE AND FORECAST TO 2030 – TECHNOLOGY

- 7.1 Overview
- 7.2 North America Industrial Fans Market, by Technology (2022 & 2030)
- 7.3 Centrifugal
 - 7.3.1 Overview
 - 7.3.2 Centrifugal: North America Industrial Fans Market Revenue and Forecast To 2030 (US\$ Million)
- 7.4 Axial
 - 7.4.1 Overview
 - 7.4.2 Axial: North America Industrial Fans Market Revenue and Forecast To 2030 (US\$ Million)

8. NORTH AMERICA INDUSTRIAL FANS MARKET – BY INDUSTRY

- 8.1 Overview
- 8.2 North America Industrial Fans Market, by Industry (2022 & 2030)
- 8.3 Chemicals and Petrochemicals
 - 8.3.1 Overview
 - 8.3.2 Chemicals and Petrochemicals: North America Industrial Fans Market – Revenue and Forecast to 2030 (US\$ Million)
- 8.4 Healthcare
 - 8.4.1 Overview
 - 8.4.2 Healthcare: North America Industrial Fans Market – Revenue and Forecast to 2030 (US\$ Million)
- 8.5 Automotive Manufacturing
 - 8.5.1 Overview
 - 8.5.2 Automotive Manufacturing: North America Industrial Fans Market Revenue and Forecast To 2030 (US\$ Million)
- 8.6 Food and Beverage
 - 8.6.1 Overview
 - 8.6.2 Food and Beverage: North America Industrial Fans Market Revenue and Forecast

To 2030 (US\$ Million)

8.7 Oil and Gas

8.7.1 Overview

8.7.2 Oil and Gas: North America Industrial Fans Market Revenue and Forecast To 2030 (US\$ Million)

8.8 Mining

8.8.1 Overview

8.8.2 Mining: North America Industrial Fans Market – Revenue and Forecast to 2030 (US\$ Million)

8.9 Others

8.9.1 Overview

8.9.2 Others: North America Industrial Fans Market – Revenue and Forecast to 2030 (US\$ Million)

9. NORTH AMERICA INDUSTRIAL FANS MARKET – COUNTRY ANALYSIS

9.1 Overview

9.1.1 North America: Industrial Fans Market, by Key Country

9.1.1.1 US: Industrial Fans Market – Revenue and Forecast to 2030 (US\$ Million)

9.1.1.1.1 US: Industrial Fans Market, by Technology

9.1.1.1.2 US: Industrial Fans Market, by Industry

9.1.1.2 Canada: Industrial Fans Market – Revenue and Forecast to 2030 (US\$ Million)

9.1.1.2.1 Canada: Industrial Fans Market, by Technology

9.1.1.2.2 Canada: Industrial Fans Market, by Industry

10. IMPACT OF COVID-19 PANDEMIC ON NORTH AMERICA INDUSTRIAL FANS MARKET

10.1 Overview

11. INDUSTRY LANDSCAPE

11.1 Overview

11.2 Market Initiative

11.3 New Product Development

12. COMPANY PROFILES

12.1 Witt & Sohn AG

- 12.1.1 Key Facts
- 12.1.2 Business Description
- 12.1.3 Products and Services
- 12.1.4 Financial Overview
- 12.1.5 SWOT Analysis
- 12.1.6 Key Developments
- 12.2 Airmaster Fan Co
- 12.2.1 Key Facts
- 12.2.2 Business Description
- 12.2.3 Products and Services
- 12.2.4 Financial Overview
- 12.2.5 SWOT Analysis
- 12.2.6 Key Developments
- 12.3 Systemair AB
- 12.3.1 Key Facts
- 12.3.2 Business Description
- 12.3.3 Products and Services
- 12.3.4 Financial Overview
- 12.3.5 SWOT Analysis
- 12.3.6 Key Developments
- 12.4 ebm?papst Inc
- 12.4.1 Key Facts
- 12.4.2 Business Description
- 12.4.3 Products and Services
- 12.4.4 Financial Overview
- 12.4.5 SWOT Analysis
- 12.4.6 Key Developments
- 12.5 Greenheck Fan Corp
- 12.5.1 Key Facts
- 12.5.2 Business Description
- 12.5.3 Products and Services
- 12.5.4 Financial Overview
- 12.5.5 SWOT Analysis
- 12.5.6 Key Developments
- 12.6 Jan Fan Inc
- 12.6.1 Key Facts
- 12.6.2 Business Description
- 12.6.3 Products and Services
- 12.6.4 Financial Overview

- 12.6.5 SWOT Analysis
- 12.6.6 Key Developments
- 12.7 Johnson Controls International Plc
 - 12.7.1 Key Facts
 - 12.7.2 Business Description
 - 12.7.3 Products and Services
 - 12.7.4 Financial Overview
 - 12.7.5 SWOT Analysis
 - 12.7.6 Key Developments
- 12.8 AirMax Fans Inc
 - 12.8.1 Key Facts
 - 12.8.2 Business Description
 - 12.8.3 Products and Services
 - 12.8.4 Financial Overview
 - 12.8.5 SWOT Analysis
 - 12.8.6 Key Developments
- 12.9 Patterson Fan Co Inc
 - 12.9.1 Key Facts
 - 12.9.2 Business Description
 - 12.9.3 Products and Services
 - 12.9.4 Financial Overview
 - 12.9.5 SWOT Analysis
 - 12.9.6 Key Developments
- 12.10 Triangle Engineering LLC
 - 12.10.1 Key Facts
 - 12.10.2 Business Description
 - 12.10.3 Products and Services
 - 12.10.4 Financial Overview
 - 12.10.5 SWOT Analysis
 - 12.10.6 Key Developments

13. APPENDIX

- 13.1 About The Insight Partners
- 13.2 Word Index

List Of Tables

LIST OF TABLES

Table 1. North America Industrial Fans Market, Revenue and Forecast, 2020–2030 (US\$ Million)

Table 2. North America: Industrial Fans Market, by Key Country – Revenue and Forecast to 2030 (US\$ Million)

Table 3. US: Industrial Fans Market, by Technology– Revenue and Forecast to 2030 (US\$ Million)

Table 4. US: Industrial Fans Market, by Industry – Revenue and Forecast to 2030 (US\$ Million)

Table 5. Canada: Industrial Fans Market, by Technology– Revenue and Forecast to 2030 (US\$ Million)

Table 6. Canada: Industrial Fans Market, by Industry – Revenue and Forecast to 2030 (US\$ Million)

Table 7. List of Abbreviation

List Of Figures

LIST OF FIGURES

- Figure 1. North America Industrial Fans Market Segmentation
- Figure 2. North America Industrial Fans Market Segmentation – Country
- Figure 3. North America Industrial Fans Market Overview
- Figure 4. North America Industrial Fans Market, by Technology
- Figure 5. North America Industrial Fans Market, by Industry
- Figure 6. North America: PEST Analysis
- Figure 7. North America Industrial Fans Market Ecosystem Analysis
- Figure 8. Expert Opinion
- Figure 9. North America Industrial Fans Market, Forecast and Analysis (US\$ Million)
- Figure 10. North America Industrial Fans Market, by Technology (2022 & 2030)
- Figure 11. Centrifugal: North America Industrial Fans Market Revenue and Forecast to 2030 (US\$ Million)
- Figure 12. Axial: North America Industrial Fans Market Revenue and Forecast to 2030 (US\$ Million)
- Figure 13. North America Industrial Fans Market Revenue Share, by Industry (2022 & 2030)
- Figure 14. Chemicals and Petrochemicals: North America Industrial Fans Market – Revenue and Forecast to 2030 (US\$ Million)
- Figure 15. Healthcare: North America Industrial Fans Market – Revenue and Forecast to 2030 (US\$ Million)
- Figure 16. Automotive Manufacturing: North America Industrial Fans Market Revenue and Forecast to 2030 (US\$ Million)
- Figure 17. Food and Beverage: North America Industrial Fans Market Revenue and Forecast to 2030 (US\$ Million)
- Figure 18. Oil and Gas: North America Industrial Fans Market Revenue and Forecast to 2030 (US\$ Million)
- Figure 19. Mining: North America Industrial Fans Market – Revenue and Forecast to 2030 (US\$ Million)
- Figure 20. Others: North America Industrial Fans Market – Revenue and Forecast to 2030 (US\$ Million)
- Figure 21. North America: Industrial Fans Market Revenue Share, by Key Country - Revenue (US\$ Million)
- Figure 22. North America: Industrial Fans Market Revenue Share, by Key Country (2022 & 2030)
- Figure 23. US: Industrial Fans Market – Revenue and Forecast to 2030 (US\$ Million)

Figure 24. Canada: Industrial Fans Market – Revenue and Forecast to 2030 (US\$ Million)

Figure 25. Impact of COVID-19 Pandemic on North American Country Markets

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