

Blowers Market – Global Industry Size, Share, Trends, Opportunity, and Forecast, Segmented By Product Type (Centrifugal Blowers, Positive Displacement Blowers, Axial Blowers, Regenerative Blowers), By Application (Manufacturing, Construction, Water Treatment, Agriculture, Others), By Source (Electric, Gas, Fuel, Manual), By Region & Competition, 2020-2030F

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Abstracts

Market Overview

The Global Blowers Market was valued at USD 11.7 billion in 2024 and is projected to reach USD 13.9 billion by 2030, growing at a CAGR of 2.8% during the forecast period. The market is witnessing consistent growth, supported by expanding industrialization and urbanization, particularly in emerging economies. Increasing demand for efficient ventilation, air movement, and energy-saving solutions across manufacturing, infrastructure, and construction sectors is a primary growth driver. Technological advancements, such as variable frequency drives and electronically commutated motors, are boosting energy efficiency while reducing operational costs. IoT-enabled blowers offer real-time monitoring, predictive maintenance, and enhanced system optimization, contributing to their growing adoption in sectors like industrial automation and data centers. Rising environmental regulations and a global emphasis on indoor air quality are further pushing industries to adopt advanced blower technologies. Additionally, specific industry needs, such as drying and ventilation in food processing, dust control in mining, and HVAC expansion in buildings, continue to drive demand. Regional growth is led by Asia-Pacific, driven by rapid industrial projects in China and

India, while North America benefits from high-tech integration and infrastructure upgrades.

Key Market Drivers

Rapid Industrialization and Infrastructure Development in Emerging Economies

A major driver of the global blowers market is the rapid industrial and infrastructure development occurring across emerging economies. Countries like China, India, Brazil, Indonesia, and Vietnam are seeing increased manufacturing, urban expansion, and construction activity, all of which require robust air handling systems. Industrial blowers are critical across various sectors—such as cement, steel, chemicals, pharmaceuticals, and food processing—for material handling, drying, aeration, and ventilation. For instance, in March 2024, Aerzen opened a new turbo blower plant in South Korea to meet rising demand for high-performance, energy-efficient systems. Similarly, Atlas Copco expanded its Asia-Pacific service footprint through the acquisition of AVT Services in Australia. Urbanization is also driving construction of HVAC-reliant facilities in residential, commercial, and industrial sectors. These trends, alongside the rise of smart cities, data centers, and infrastructure projects, are significantly boosting the need for energy-efficient and reliable blower systems across these developing regions.

Key Market Challenges

High Initial Capital Costs and Maintenance Complexity

A primary challenge in the global blowers market is the substantial capital investment required for high-efficiency and technologically advanced systems. Blowers equipped with features like smart sensors, oil-free mechanisms, and variable frequency drives are considerably more expensive than conventional alternatives. For small and medium-sized enterprises in cost-sensitive regions, the high upfront costs can be a deterrent. Even when long-term energy savings are achievable, economic uncertainty and tight industrial budgets may delay investment decisions. In addition, integrating these systems into legacy infrastructure often involves significant engineering modifications and skilled labor, further increasing costs. Maintenance of such advanced systems also requires specialized training and periodic component replacement, raising the total cost of ownership and complicating return on investment assessments.

Key Market Trends

Integration of Smart Technologies and IoT for Performance Optimization

The integration of smart technologies and IoT is a defining trend reshaping the global blowers market. As industries embrace Industry 4.0, demand is rising for intelligent blower systems capable of self-regulation, remote diagnostics, and energy optimization. Unlike traditional fixed-speed systems, smart blowers are embedded with sensors that monitor key parameters—such as airflow, temperature, and power consumption—and transmit data to centralized dashboards or cloud platforms. This enables predictive maintenance, allowing operators to address mechanical issues before they lead to costly downtime. Advanced blowers often include adaptive controls and are coupled with variable frequency drives to adjust operations in real time based on process needs. This capability improves energy efficiency and reliability in applications such as wastewater treatment, HVAC, and food processing. Smart blower technologies are also being adopted for their scalability, automation, and ability to meet regulatory compliance, positioning them as critical components in future-ready industrial systems.

Key Market Players

Acme Engineering & Manufacturing Corp.

Airmaster Fan Company Inc.

Continental Blower LLC

CG Power and Industrial Solutions Limited

DongKun Industrial Co. Ltd.

Flakt Woods Group SA

Gardner Denver Inc.

Greenheck Fan Corp.

Report Scope:

In this report, the Global Blowers Market has been segmented into the following categories, in addition to the industry trends which have also been detailed below:

Blowers Market, By Product Type:

Centrifugal Blowers

Positive Displacement Blowers

Axial Blowers

Regenerative Blowers

Blowers Market, By Application:

Manufacturing

Construction

Water Treatment

Agriculture

Others

Blowers Market, By Source:

Electric

Gas

Fuel

Manual

Blowers Market, By Region:

North America

United States

Canada

Mexico

Europe

Germany

France

United Kingdom

Italy

Spain

Asia Pacific

China

India

Japan

South Korea

Australia

South America

Brazil

Colombia

Argentina

Middle East & Africa

Saudi Arabia

UAE

South Africa

Competitive Landscape

Company Profiles: Detailed analysis of the major companies present in the Global Blowers Market.

Available Customizations:

Global Blowers Market report with the given market data, TechSci Research offers customizations according to a company's specific needs. The following customization options are available for the report:

Company Information

Detailed analysis and profiling of additional market players (up to five).

Contents

1. PRODUCT OVERVIEW

- 1.1. Market Definition
- 1.2. Scope of the Market
 - 1.2.1. Markets Covered
 - 1.2.2. Years Considered for Study
 - 1.2.3. Key Market Segmentations

2. RESEARCH METHODOLOGY

- 2.1. Objective of the Study
- 2.2. Baseline Methodology
- 2.3. Key Industry Partners
- 2.4. Major Association and Secondary Sources
- 2.5. Forecasting Methodology
- 2.6. Data Triangulation & Validation
- 2.7. Assumptions and Limitations

3. EXECUTIVE SUMMARY

- 3.1. Overview of the Market
- 3.2. Overview of Key Market Segmentations
- 3.3. Overview of Key Market Players
- 3.4. Overview of Key Regions/Countries
- 3.5. Overview of Market Drivers, Challenges, and Trends

4. VOICE OF CUSTOMER

5. GLOBAL BLOWERS MARKET OUTLOOK

- 5.1. Market Size & Forecast
 - 5.1.1. By Value
- 5.2. Market Share & Forecast
 - 5.2.1. By Product Type (Centrifugal Blowers, Positive Displacement Blowers, Axial Blowers, Regenerative Blowers)
 - 5.2.2. By Application (Manufacturing, Construction, Water Treatment, Agriculture, Others)

- 5.2.3. By Source (Electric, Gas, Fuel, Manual)
- 5.2.4. By Region (North America, Europe, South America, Middle East & Africa, Asia Pacific)
- 5.3. By Company (2024)
- 5.4. Market Map

6. NORTH AMERICA BLOWERS MARKET OUTLOOK

- 6.1. Market Size & Forecast
 - 6.1.1. By Value
- 6.2. Market Share & Forecast
 - 6.2.1. By Product Type
 - 6.2.2. By Application
 - 6.2.3. By Source
 - 6.2.4. By Country
- 6.3. North America: Country Analysis
 - 6.3.1. United States Blowers Market Outlook
 - 6.3.1.1. Market Size & Forecast
 - 6.3.1.1.1. By Value
 - 6.3.1.2. Market Share & Forecast
 - 6.3.1.2.1. By Product Type
 - 6.3.1.2.2. By Application
 - 6.3.1.2.3. By Source
 - 6.3.2. Canada Blowers Market Outlook
 - 6.3.2.1. Market Size & Forecast
 - 6.3.2.1.1. By Value
 - 6.3.2.2. Market Share & Forecast
 - 6.3.2.2.1. By Product Type
 - 6.3.2.2.2. By Application
 - 6.3.2.2.3. By Source
 - 6.3.3. Mexico Blowers Market Outlook
 - 6.3.3.1. Market Size & Forecast
 - 6.3.3.1.1. By Value
 - 6.3.3.2. Market Share & Forecast
 - 6.3.3.2.1. By Product Type
 - 6.3.3.2.2. By Application
 - 6.3.3.2.3. By Source

7. EUROPE BLOWERS MARKET OUTLOOK

- 7.1. Market Size & Forecast
 - 7.1.1. By Value
- 7.2. Market Share & Forecast
 - 7.2.1. By Product Type
 - 7.2.2. By Application
 - 7.2.3. By Source
 - 7.2.4. By Country
- 7.3. Europe: Country Analysis
 - 7.3.1. Germany Blowers Market Outlook
 - 7.3.1.1. Market Size & Forecast
 - 7.3.1.1.1. By Value
 - 7.3.1.2. Market Share & Forecast
 - 7.3.1.2.1. By Product Type
 - 7.3.1.2.2. By Application
 - 7.3.1.2.3. By Source
 - 7.3.2. France Blowers Market Outlook
 - 7.3.2.1. Market Size & Forecast
 - 7.3.2.1.1. By Value
 - 7.3.2.2. Market Share & Forecast
 - 7.3.2.2.1. By Product Type
 - 7.3.2.2.2. By Application
 - 7.3.2.2.3. By Source
 - 7.3.3. United Kingdom Blowers Market Outlook
 - 7.3.3.1. Market Size & Forecast
 - 7.3.3.1.1. By Value
 - 7.3.3.2. Market Share & Forecast
 - 7.3.3.2.1. By Product Type
 - 7.3.3.2.2. By Application
 - 7.3.3.2.3. By Source
 - 7.3.4. Italy Blowers Market Outlook
 - 7.3.4.1. Market Size & Forecast
 - 7.3.4.1.1. By Value
 - 7.3.4.2. Market Share & Forecast
 - 7.3.4.2.1. By Product Type
 - 7.3.4.2.2. By Application
 - 7.3.4.2.3. By Source
 - 7.3.5. Spain Blowers Market Outlook
 - 7.3.5.1. Market Size & Forecast

- 7.3.5.1.1. By Value
- 7.3.5.2. Market Share & Forecast
 - 7.3.5.2.1. By Product Type
 - 7.3.5.2.2. By Application
 - 7.3.5.2.3. By Source

8. ASIA PACIFIC BLOWERS MARKET OUTLOOK

- 8.1. Market Size & Forecast
 - 8.1.1. By Value
- 8.2. Market Share & Forecast
 - 8.2.1. By Product Type
 - 8.2.2. By Application
 - 8.2.3. By Source
 - 8.2.4. By Country
- 8.3. Asia Pacific: Country Analysis
 - 8.3.1. China Blowers Market Outlook
 - 8.3.1.1. Market Size & Forecast
 - 8.3.1.1.1. By Value
 - 8.3.1.2. Market Share & Forecast
 - 8.3.1.2.1. By Product Type
 - 8.3.1.2.2. By Application
 - 8.3.1.2.3. By Source
 - 8.3.2. India Blowers Market Outlook
 - 8.3.2.1. Market Size & Forecast
 - 8.3.2.1.1. By Value
 - 8.3.2.2. Market Share & Forecast
 - 8.3.2.2.1. By Product Type
 - 8.3.2.2.2. By Application
 - 8.3.2.2.3. By Source
 - 8.3.3. Japan Blowers Market Outlook
 - 8.3.3.1. Market Size & Forecast
 - 8.3.3.1.1. By Value
 - 8.3.3.2. Market Share & Forecast
 - 8.3.3.2.1. By Product Type
 - 8.3.3.2.2. By Application
 - 8.3.3.2.3. By Source
 - 8.3.4. South Korea Blowers Market Outlook
 - 8.3.4.1. Market Size & Forecast

- 8.3.4.1.1. By Value
- 8.3.4.2. Market Share & Forecast
 - 8.3.4.2.1. By Product Type
 - 8.3.4.2.2. By Application
 - 8.3.4.2.3. By Source
- 8.3.5. Australia Blowers Market Outlook
 - 8.3.5.1. Market Size & Forecast
 - 8.3.5.1.1. By Value
 - 8.3.5.2. Market Share & Forecast
 - 8.3.5.2.1. By Product Type
 - 8.3.5.2.2. By Application
 - 8.3.5.2.3. By Source

9. MIDDLE EAST & AFRICA BLOWERS MARKET OUTLOOK

- 9.1. Market Size & Forecast
 - 9.1.1. By Value
- 9.2. Market Share & Forecast
 - 9.2.1. By Product Type
 - 9.2.2. By Application
 - 9.2.3. By Source
 - 9.2.4. By Country
- 9.3. Middle East & Africa: Country Analysis
 - 9.3.1. Saudi Arabia Blowers Market Outlook
 - 9.3.1.1. Market Size & Forecast
 - 9.3.1.1.1. By Value
 - 9.3.1.2. Market Share & Forecast
 - 9.3.1.2.1. By Product Type
 - 9.3.1.2.2. By Application
 - 9.3.1.2.3. By Source
 - 9.3.2. UAE Blowers Market Outlook
 - 9.3.2.1. Market Size & Forecast
 - 9.3.2.1.1. By Value
 - 9.3.2.2. Market Share & Forecast
 - 9.3.2.2.1. By Product Type
 - 9.3.2.2.2. By Application
 - 9.3.2.2.3. By Source
 - 9.3.3. South Africa Blowers Market Outlook
 - 9.3.3.1. Market Size & Forecast

- 9.3.3.1.1. By Value
- 9.3.3.2. Market Share & Forecast
 - 9.3.3.2.1. By Product Type
 - 9.3.3.2.2. By Application
 - 9.3.3.2.3. By Source

10. SOUTH AMERICA BLOWERS MARKET OUTLOOK

- 10.1. Market Size & Forecast
 - 10.1.1. By Value
- 10.2. Market Share & Forecast
 - 10.2.1. By Product Type
 - 10.2.2. By Application
 - 10.2.3. By Source
 - 10.2.4. By Country
- 10.3. South America: Country Analysis
 - 10.3.1. Brazil Blowers Market Outlook
 - 10.3.1.1. Market Size & Forecast
 - 10.3.1.1.1. By Value
 - 10.3.1.2. Market Share & Forecast
 - 10.3.1.2.1. By Product Type
 - 10.3.1.2.2. By Application
 - 10.3.1.2.3. By Source
 - 10.3.2. Colombia Blowers Market Outlook
 - 10.3.2.1. Market Size & Forecast
 - 10.3.2.1.1. By Value
 - 10.3.2.2. Market Share & Forecast
 - 10.3.2.2.1. By Product Type
 - 10.3.2.2.2. By Application
 - 10.3.2.2.3. By Source
 - 10.3.3. Argentina Blowers Market Outlook
 - 10.3.3.1. Market Size & Forecast
 - 10.3.3.1.1. By Value
 - 10.3.3.2. Market Share & Forecast
 - 10.3.3.2.1. By Product Type
 - 10.3.3.2.2. By Application
 - 10.3.3.2.3. By Source

11. MARKET DYNAMICS

11.1. Drivers

11.2. Challenges

12. MARKET TRENDS AND DEVELOPMENTS

12.1. Merger & Acquisition (If Any)

12.2. Product Launches (If Any)

12.3. Recent Developments

13. COMPANY PROFILES

13.1. Acme Engineering & Manufacturing Corp.

13.1.1. Business Overview

13.1.2. Key Revenue and Financials

13.1.3. Recent Developments

13.1.4. Key Personnel

13.1.5. Key Product/Services Offered

13.2. Airmaster Fan Company Inc.

13.3. Continental Blower LLC

13.4. CG Power and Industrial Solutions Limited

13.5. DongKun Industrial Co. Ltd.

13.6. Flakt Woods Group SA

13.7. Gardner Denver Inc.

13.8. Greenheck Fan Corp.

14. STRATEGIC RECOMMENDATIONS

15. ABOUT US & DISCLAIMER

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