

# Centrifugal Blower Market Report by Pressure (High Pressure, Medium Pressure, Low Pressure), End User (Cement Plant, Steel Plant, Mining, Power Station, Chemical, Pulp and Paper, and Others), and Region 2024-2032

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## Abstracts

The global centrifugal blower market size reached US\$ 3.1 Billion in 2023. Looking forward, IMARC Group expects the market to reach US\$ 4.3 Billion by 2032, exhibiting a growth rate (CAGR) of 3.54% during 2024-2032. Rapid industrialization, the growing emphasis on energy efficiency and sustainability, expansion of the construction sector, and stringent government regulations and standards regarding air quality and emissions control represent some of the key factors driving the market.

A centrifugal blower is a mechanical device widely used in various industries for air and gas handling applications. It works on the principle of centrifugal force and consists of a rotating impeller that accelerates the air or gas outward from the center of the impeller, creating a high-velocity stream. This high-velocity stream is then directed into a diffuser, which converts the kinetic energy into pressure energy. Centrifugal blowers are typically made up of sturdy housing, an impeller with curved blades, and an electric motor to drive the impeller. Centrifugal blowers offer several advantages, including they are highly efficient, capable of delivering a large volume of air or gas at high pressures. These devices are also compact in size, easy to install, relatively low maintenance, and are known for their quiet operation, making them suitable for noise-sensitive environments. Currently, there are different types of centrifugal blowers available, including radial, forward curved, and backward curved designs.

Centrifugal Blower Market Trends:

The global centrifugal blower market is primarily bolstered by several key factors,

including rapid industrialization and the growing emphasis on energy efficiency and sustainability across industries. Besides this, the expansion of the construction sector has considerably surged the demand for centrifugal blowers in heating, ventilation, and air conditioning (HVAC) applications, which is creating a positive outlook for the market. Additionally, stringent government regulations and standards regarding air quality and emissions control have fueled the need for centrifugal blowers in industries such as power generation, chemical, and petrochemical, further boosting the market growth. Moreover, the increasing awareness about the adverse effects of pollution on human health and the rising demand for centrifugal blowers in the wastewater treatment industry are contributing to market growth. Furthermore, the development of advanced technologies, such as the integration of variable frequency drives (VFDs) and IoT-based control systems, and the steady growth of the automotive and transportation industry are supporting the market growth.

#### Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each segment of the global centrifugal blower market, along with forecasts at the global, regional and country levels from 2024-2032. Our report has categorized the market based on pressure and end user.

#### Pressure Insights:

High Pressure

Medium Pressure

Low Pressure

The report has provided a detailed breakup and analysis of the centrifugal blower market based on the pressure. This includes high pressure, medium pressure, and low pressure. According to the report, high pressure represented the largest segment.

#### End User Insights:

Cement Plant

Steel Plant

Mining

Power Station

Chemical

Pulp and Paper

Others

The report has provided a detailed breakup and analysis of the centrifugal blower market based on the end user. This includes cement plant, steel plant, mining, power station, chemical, pulp and paper, and others. According to the report, pulp and paper represented the largest segment.

#### Regional Insights:

North America

United States

Canada

Asia Pacific

China

Japan

India

South Korea

Australia

Indonesia

Others

Europe

Germany

France

United Kingdom

Italy

Spain

Russia

Others

Latin America

Brazil

Mexico

Others

Middle East and Africa

The report has also provided a comprehensive analysis of all the major regional markets, which include North America (the United States and Canada); Asia Pacific (China, Japan, India, South Korea, Australia, Indonesia, and others); Europe (Germany, France, the United Kingdom, Italy, Spain, Russia, and others); Latin America (Brazil, Mexico, and others); and the Middle East and Africa. According to the report, North America was the largest market for centrifugal blower. Some of the factors driving the North America centrifugal blower market included the steady growth of the automotive and transportation industry, the expanding pharmaceutical and healthcare sector,

coupled with the increasing need for cleanroom environments.

#### Competitive Landscape:

The report has also provided a comprehensive analysis of the competitive landscape in the global centrifugal blower market. Detailed profiles of all major companies have been provided. Some of the companies covered include Aeromeccanica Stranich S.p.A., Aerotek Equipment, Air Control Industries Ltd, Alfotech Fans, AMCS Cooling Systems Pvt. Ltd., Atlantic Blowers LLC, Atlas Copco, Boldrocchi Group, Continental Blower, LLC, Hibon Inc (Ingersoll Rand), Howden Group (Chart Industries Inc.), Piller Blowers & Compressors GmbH, etc. Kindly note that this only represents a partial list of companies, and the complete list has been provided in the report..

#### Key Questions Answered in This Report:

How has the global centrifugal blower market performed so far, and how will it perform in the coming years?

What are the drivers, restraints, and opportunities in the global centrifugal blower market?

What is the impact of each driver, restraint, and opportunity on the global centrifugal blower market?

What are the key regional markets?

Which countries represent the most attractive centrifugal blower market?

What is the breakup of the market based on pressure?

Which is the most attractive pressure in the centrifugal blower market?

What is the breakup of the market based on the end user?

Which is the most attractive end user in the centrifugal blower market?

What is the competitive structure of the global centrifugal blower market?

Who are the key players/companies in the global centrifugal blower market?

## Contents

### 1 PREFACE

### 2 SCOPE AND METHODOLOGY

- 2.1 Objectives of the Study
- 2.2 Stakeholders
- 2.3 Data Sources
  - 2.3.1 Primary Sources
  - 2.3.2 Secondary Sources
- 2.4 Market Estimation
  - 2.4.1 Bottom-Up Approach
  - 2.4.2 Top-Down Approach
- 2.5 Forecasting Methodology

### 3 EXECUTIVE SUMMARY

### 4 INTRODUCTION

- 4.1 Overview
- 4.2 Key Industry Trends

### 5 GLOBAL CENTRIFUGAL BLOWER MARKET

- 5.1 Market Overview
- 5.2 Market Performance
- 5.3 Impact of COVID-19
- 5.4 Market Forecast

### 6 MARKET BREAKUP BY PRESSURE

- 6.1 High Pressure
  - 6.1.1 Market Trends
  - 6.1.2 Market Forecast
- 6.2 Medium Pressure
  - 6.2.1 Market Trends
  - 6.2.2 Market Forecast
- 6.3 Low Pressure

6.3.1 Market Trends

6.3.2 Market Forecast

## **7 MARKET BREAKUP BY END USER**

7.1 Cement Plant

7.1.1 Market Trends

7.1.2 Market Forecast

7.2 Steel Plant

7.2.1 Market Trends

7.2.2 Market Forecast

7.3 Mining

7.3.1 Market Trends

7.3.2 Market Forecast

7.4 Power Station

7.4.1 Market Trends

7.4.2 Market Forecast

7.5 Chemical

7.5.1 Market Trends

7.5.2 Market Forecast

7.6 Pulp and Paper

7.6.1 Market Trends

7.6.2 Market Forecast

7.7 Others

7.7.1 Market Trends

7.7.2 Market Forecast

## **8 MARKET BREAKUP BY REGION**

8.1 North America

8.1.1 United States

8.1.1.1 Market Trends

8.1.1.2 Market Forecast

8.1.2 Canada

8.1.2.1 Market Trends

8.1.2.2 Market Forecast

8.2 Asia-Pacific

8.2.1 China

8.2.1.1 Market Trends

- 8.2.1.2 Market Forecast
- 8.2.2 Japan
  - 8.2.2.1 Market Trends
  - 8.2.2.2 Market Forecast
- 8.2.3 India
  - 8.2.3.1 Market Trends
  - 8.2.3.2 Market Forecast
- 8.2.4 South Korea
  - 8.2.4.1 Market Trends
  - 8.2.4.2 Market Forecast
- 8.2.5 Australia
  - 8.2.5.1 Market Trends
  - 8.2.5.2 Market Forecast
- 8.2.6 Indonesia
  - 8.2.6.1 Market Trends
  - 8.2.6.2 Market Forecast
- 8.2.7 Others
  - 8.2.7.1 Market Trends
  - 8.2.7.2 Market Forecast
- 8.3 Europe
  - 8.3.1 Germany
    - 8.3.1.1 Market Trends
    - 8.3.1.2 Market Forecast
  - 8.3.2 France
    - 8.3.2.1 Market Trends
    - 8.3.2.2 Market Forecast
  - 8.3.3 United Kingdom
    - 8.3.3.1 Market Trends
    - 8.3.3.2 Market Forecast
  - 8.3.4 Italy
    - 8.3.4.1 Market Trends
    - 8.3.4.2 Market Forecast
  - 8.3.5 Spain
    - 8.3.5.1 Market Trends
    - 8.3.5.2 Market Forecast
  - 8.3.6 Russia
    - 8.3.6.1 Market Trends
    - 8.3.6.2 Market Forecast
  - 8.3.7 Others

8.3.7.1 Market Trends

8.3.7.2 Market Forecast

8.4 Latin America

8.4.1 Brazil

8.4.1.1 Market Trends

8.4.1.2 Market Forecast

8.4.2 Mexico

8.4.2.1 Market Trends

8.4.2.2 Market Forecast

8.4.3 Others

8.4.3.1 Market Trends

8.4.3.2 Market Forecast

8.5 Middle East and Africa

8.5.1 Market Trends

8.5.2 Market Breakup by Country

8.5.3 Market Forecast

## **9 DRIVERS, RESTRAINTS, AND OPPORTUNITIES**

9.1 Overview

9.2 Drivers

9.3 Restraints

9.4 Opportunities

## **10 VALUE CHAIN ANALYSIS**

## **11 PORTERS FIVE FORCES ANALYSIS**

11.1 Overview

11.2 Bargaining Power of Buyers

11.3 Bargaining Power of Suppliers

11.4 Degree of Competition

11.5 Threat of New Entrants

11.6 Threat of Substitutes

## **12 PRICE ANALYSIS**

## **13 COMPETITIVE LANDSCAPE**



- 13.1 Market Structure
- 13.2 Key Players
- 13.3 Profiles of Key Players
  - 13.3.1 Aeromeccanica Stranich S.p.A.
    - 13.3.1.1 Company Overview
    - 13.3.1.2 Product Portfolio
  - 13.3.2 Aerotek Equipment
    - 13.3.2.1 Company Overview
    - 13.3.2.2 Product Portfolio
  - 13.3.3 Air Control Industries Ltd
    - 13.3.3.1 Company Overview
    - 13.3.3.2 Product Portfolio
  - 13.3.4 Alfotech Fans
    - 13.3.4.1 Company Overview
    - 13.3.4.2 Product Portfolio
  - 13.3.5 AMCS Cooling Systems Pvt. Ltd.
    - 13.3.5.1 Company Overview
    - 13.3.5.2 Product Portfolio
  - 13.3.6 Atlantic Blowers LLC
    - 13.3.6.1 Company Overview
    - 13.3.6.2 Product Portfolio
  - 13.3.7 Atlas Copco
    - 13.3.7.1 Company Overview
    - 13.3.7.2 Product Portfolio
    - 13.3.7.3 Financials
    - 13.3.7.4 SWOT Analysis
  - 13.3.8 Boldrocchi Group
    - 13.3.8.1 Company Overview
    - 13.3.8.2 Product Portfolio
  - 13.3.9 Continental Blower, LLC
    - 13.3.9.1 Company Overview
    - 13.3.9.2 Product Portfolio
  - 13.3.10 Hibon Inc (Ingersoll Rand)
    - 13.3.10.1 Company Overview
    - 13.3.10.2 Product Portfolio
  - 13.3.11 Howden Group (Chart Industries Inc.)
    - 13.3.11.1 Company Overview
    - 13.3.11.2 Product Portfolio
  - 13.3.12 Piller Blowers & Compressors GmbH

13.3.12.1 Company Overview

13.3.12.2 Product Portfolio

Kindly note that this only represents a partial list of companies, and the complete list has been provided in the report.

## List Of Tables

### LIST OF TABLES

Table 1: Global: Centrifugal Blower Market: Key Industry Highlights, 2023 & 2032

Table 2: Global: Centrifugal Blower Market Forecast: Breakup by Pressure (in Million US\$), 2024-2032

Table 3: Global: Centrifugal Blower Market Forecast: Breakup by End User (in Million US\$), 2024-2032

Table 4: Global: Centrifugal Blower Market Forecast: Breakup by Region (in Million US\$), 2024-2032

Table 5: Global: Centrifugal Blower Market: Competitive Structure

Table 6: Global: Centrifugal Blower Market: Key Players

## List Of Figures

### LIST OF FIGURES

Figure 1: Global: Centrifugal Blower Market: Major Drivers and Challenges

Figure 2: Global: Centrifugal Blower Market: Sales Value (in Billion US\$), 2018-2023

Figure 3: Global: Centrifugal Blower Market Forecast: Sales Value (in Billion US\$), 2024-2032

Figure 4: Global: Centrifugal Blower Market: Breakup by Pressure (in %), 2023

Figure 5: Global: Centrifugal Blower Market: Breakup by End User (in %), 2023

Figure 6: Global: Centrifugal Blower Market: Breakup by Region (in %), 2023

Figure 7: Global: Centrifugal Blower (High Pressure) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 8: Global: Centrifugal Blower (High Pressure) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 9: Global: Centrifugal Blower (Medium Pressure) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 10: Global: Centrifugal Blower (Medium Pressure) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 11: Global: Centrifugal Blower (Low Pressure) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 12: Global: Centrifugal Blower (Low Pressure) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 13: Global: Centrifugal Blower (Cement plant) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 14: Global: Centrifugal Blower (Cement plant) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 15: Global: Centrifugal Blower (Steel plant) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 16: Global: Centrifugal Blower (Steel plant) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 17: Global: Centrifugal Blower (Mining) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 18: Global: Centrifugal Blower (Mining) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 19: Global: Centrifugal Blower (Power Station) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 20: Global: Centrifugal Blower (Power Station) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 21: Global: Centrifugal Blower (Chemical) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 22: Global: Centrifugal Blower (Chemical) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 23: Global: Centrifugal Blower (Pulp and Paper) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 24: Global: Centrifugal Blower (Pulp and Paper) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 25: Global: Centrifugal Blower (Other End Users) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 26: Global: Centrifugal Blower (Other End Users) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 27: North America: Centrifugal Blower Market: Sales Value (in Million US\$), 2018 & 2023

Figure 28: North America: Centrifugal Blower Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 29: United States: Centrifugal Blower Market: Sales Value (in Million US\$), 2018 & 2023

Figure 30: United States: Centrifugal Blower Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 31: Canada: Centrifugal Blower Market: Sales Value (in Million US\$), 2018 & 2023

Figure 32: Canada: Centrifugal Blower Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 33: Asia-Pacific: Centrifugal Blower Market: Sales Value (in Million US\$), 2018 & 2023

Figure 34: Asia-Pacific: Centrifugal Blower Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 35: China: Centrifugal Blower Market: Sales Value (in Million US\$), 2018 & 2023

Figure 36: China: Centrifugal Blower Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 37: Japan: Centrifugal Blower Market: Sales Value (in Million US\$), 2018 & 2023

Figure 38: Japan: Centrifugal Blower Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 39: India: Centrifugal Blower Market: Sales Value (in Million US\$), 2018 & 2023

Figure 40: India: Centrifugal Blower Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 41: South Korea: Centrifugal Blower Market: Sales Value (in Million US\$), 2018 & 2023

Figure 42: South Korea: Centrifugal Blower Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 43: Australia: Centrifugal Blower Market: Sales Value (in Million US\$), 2018 & 2023

Figure 44: Australia: Centrifugal Blower Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 45: Indonesia: Centrifugal Blower Market: Sales Value (in Million US\$), 2018 & 2023

Figure 46: Indonesia: Centrifugal Blower Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 47: Others: Centrifugal Blower Market: Sales Value (in Million US\$), 2018 & 2023

Figure 48: Others: Centrifugal Blower Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 49: Europe: Centrifugal Blower Market: Sales Value (in Million US\$), 2018 & 2023

Figure 50: Europe: Centrifugal Blower Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 51: Germany: Centrifugal Blower Market: Sales Value (in Million US\$), 2018 & 2023

Figure 52: Germany: Centrifugal Blower Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 53: France: Centrifugal Blower Market: Sales Value (in Million US\$), 2018 & 2023

Figure 54: France: Centrifugal Blower Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 55: United Kingdom: Centrifugal Blower Market: Sales Value (in Million US\$), 2018 & 2023

Figure 56: United Kingdom: Centrifugal Blower Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 57: Italy: Centrifugal Blower Market: Sales Value (in Million US\$), 2018 & 2023

Figure 58: Italy: Centrifugal Blower Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 59: Spain: Centrifugal Blower Market: Sales Value (in Million US\$), 2018 & 2023

Figure 60: Spain: Centrifugal Blower Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 61: Russia: Centrifugal Blower Market: Sales Value (in Million US\$), 2018 & 2023

Figure 62: Russia: Centrifugal Blower Market Forecast: Sales Value (in Million US\$),

2024-2032

Figure 63: Others: Centrifugal Blower Market: Sales Value (in Million US\$), 2018 & 2023

Figure 64: Others: Centrifugal Blower Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 65: Latin America: Centrifugal Blower Market: Sales Value (in Million US\$), 2018 & 2023

Figure 66: Latin America: Centrifugal Blower Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 67: Brazil: Centrifugal Blower Market: Sales Value (in Million US\$), 2018 & 2023

Figure 68: Brazil: Centrifugal Blower Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 69: Mexico: Centrifugal Blower Market: Sales Value (in Million US\$), 2018 & 2023

Figure 70: Mexico: Centrifugal Blower Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 71: Others: Centrifugal Blower Market: Sales Value (in Million US\$), 2018 & 2023

Figure 72: Others: Centrifugal Blower Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 73: Middle East and Africa: Centrifugal Blower Market: Sales Value (in Million US\$), 2018 & 2023

Figure 74: Middle East and Africa: Centrifugal Blower Market: Breakup by Country (in %), 2023

Figure 75: Middle East and Africa: Centrifugal Blower Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 76: Global: Centrifugal Blower Industry: Drivers, Restraints, and Opportunities

Figure 77: Global: Centrifugal Blower Industry: Value Chain Analysis

Figure 78: Global: Centrifugal Blower Industry: Porter's Five Forces Analysis

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