

Industrial Burner Market by Burner Type (Regenerative Burner, High Velocity Burner, Thermal Radiation, Radiant Burner, Customized (Burner Boiler), Flat Flame Burner, Line Burner, and Others), Fuel Type (Oil-based, Gas-based, Dual Fuel), Automation (Monoblock, Duoblock), Operating Temperature (High Temperature (>1,400°F), Low Temperature (

Abstracts

The global industrial burner market size reached US\$ 6.9 Billion in 2023. Looking forward, IMARC Group expects the market to reach US\$ 10.8 Billion by 2032, exhibiting a growth rate (CAGR) of 4.83% during 2024-2032. The increasing demand for energy-efficient and environmentally friendly combustion solutions, rising industrialization, stringent emission regulations, technological advancements in burner systems, and a growing focus on process optimization and cost reduction in industrial operations are some of the key factors influencing the market growth.

Industrial Burner Market Trends:

Rising demand for energy efficiency

One of the primary drivers of the global industrial burner market is the increasing demand for energy-efficient solutions across industries. With a growing focus on sustainability due to escalating environmental concerns and the economic benefits associated with reduced energy consumption, there is a surging demand for industrial burners offering energy efficiency. Modern industrial burners incorporate advanced technologies, such as intelligent combustion control systems, to optimize fuel efficiency and minimize waste. The integration of these systems allows for precise control over combustion processes, ensuring that energy is utilized effectively. Additionally, the adoption of low-emission burners helps industries comply with stringent environmental regulations, contributing to a cleaner and greener industrial landscape.

Growing industrialization and urbanization

The global trend of increasing industrialization and urbanization serves as a significant

catalyst for the industrial burner market. As industries expand and urban areas develop, there is a rising demand for various industrial applications that rely on efficient and reliable combustion processes. Industrial burners find application in diverse sectors, including manufacturing, chemicals, power generation, and food processing, among others. The expansion of industries and urban centers is creating a higher demand for heating processes, thermal energy, and power generation. Consequently, there is an increasing demand for versatile burner systems capable of catering to a wide range of industrial requirements, contributing to the sustained growth of the global industrial burner market.

Technological advancements and innovation

Ongoing technological advancements and innovation play a pivotal role in shaping the landscape of the industrial burner market. The integration of smart technologies, automation, and digital controls has revolutionized industrial burner systems, enhancing their performance, reliability, and safety. Moreover, the incorporation of advanced materials and design methodologies has led to the development of high-performance burners capable of withstanding extreme operating conditions, creating a favorable outlook for market expansion. In confluence with this, the advent of innovative combustion technologies, such as ultra-low NO_x burners, contributing to environmental sustainability by minimizing nitrogen oxide emissions are presenting lucrative opportunities for the market growth.

Stringent environmental regulations

Environmental concerns and the implementation of stringent regulations regarding emissions control constitute a crucial factor driving the global industrial burner market. Governments and international bodies are increasingly focusing on reducing air pollutants and greenhouse gas (GHG) emissions from industrial activities, prompting industries to invest in cleaner and more efficient combustion technologies. Industrial burners with low NO_x and carbon emissions have become imperative for compliance with environmental regulations. Moreover, the market is witnessing a shift towards the adoption of eco-friendly burner solutions, such as regenerative burners and flue gas recirculation systems, to minimize the environmental impact of industrial processes, which is further influencing the market growth.

Industrial Burner Industry Segmentation:

IMARC Group provides an analysis of the key trends in each segment of the market, along with forecasts at the global, regional, and country levels for 2024-2032. Our report

has categorized the market based on burner type, fuel type, automation, operating temperature, application and end use industry.

Breakup by Burner Type:

- Regenerative Burner
- High Velocity Burner
- Thermal Radiation
- Radiant Burner
- Customized (Burner Boiler)
- Flat Flame Burner
- Line Burner
- Others

Radiant burner accounts for the majority of the market share

The report has provided a detailed breakup and analysis of the market based on the burner type. This includes regenerative burners, high velocity burner, thermal radiation, radiant burner, customized (burner boiler), flat flame burner, line burner, and others. According to the report, radiant burner represented the largest segment.

Breakup by Fuel Type:

- Oil-based
- Gas-based
- Dual Fuel

Oil-based holds the largest share in the industry

A detailed breakup and analysis of the market based on the fuel type have also been provided in the report. This includes oil-based, gas-based, and dual fuel. According to the report, oil-based accounted for the largest market share.

Breakup by Automation:

- Monoblock
- Duoblock

Monoblock represents the leading market segment

The report has provided a detailed breakup and analysis of the market based on the automation. This includes monoblock and duoblock. According to the report, monoblock represented the largest segment.

Breakup by Operating Temperature:

High Temperature (>1,400°F)

Low Temperature (1,400°F) exhibits a clear dominance in the market

A detailed breakup and analysis of the market based on the operating temperature have also been provided in the report. This includes high temperature (>1,400°F) and low temperature (1,400°F) accounted for the largest market share.

Breakup by Application:

Boilers

Furnace/Ovens/Kiln

Air Heating/Drying

Others

Boilers dominates the market

The report has provided a detailed breakup and analysis of the market based on the application. This includes boilers, furnace/ovens/kiln, air heating/drying and others. According to the report, boilers represented the largest segment.

Breakup by End Use Industry:

Food and Beverages

Power Generation

Chemicals

Petrochemicals

Metals and Mining

Automotive

Others

Chemicals is the predominant market segment

A detailed breakup and analysis of the market based on the end use industry have also been provided in the report. This includes food and beverages, power generation, chemicals, petrochemicals, metals and mining, automotive, and others. According to the report, chemicals accounted for the largest market share.

Breakup by Region:

North America

United States

Canada

Europe

Germany

France

United Kingdom

Italy

Spain

Russia

Others

Asia Pacific

China

Japan

India

South Korea

Australia

Indonesia

Others

Latin America

Brazil

Mexico

Others

Middle East and Africa

Asia Pacific leads the market, accounting for the largest industrial burner market share

The market research 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,

Asia Pacific accounted for the largest market share.

The market research report has provided a comprehensive analysis of the competitive landscape. Detailed profiles of all major companies have also been provided. Some of the key players in the market include:

Andritz AG
Ariston Holding N.V.
Baltur S.p.A.
C.I.B. Unigas S.p.A.
Fives SAS
HeatGEN Engineering Systems
Honeywell International Inc.
Limpsfield Combustion Engineering Limited
Oilon Group Oy
Oxilon Pvt. Ltd.
Riello S.p.A. (Carrier Global Corporation)
Selas Heat Technology Company LLC
The Wesman Engineering Company Private Limited

Key Questions Answered in This Report

1. How big is the global industrial burner market?
2. What is the expected growth rate of the global industrial burner market during 2024-2032?
3. What are the key factors driving the global industrial burner market?
4. What has been the impact of COVID-19 on the global industrial burner market?
5. What is the breakup of the global industrial burner market based on the burner type?
6. What is the breakup of the global industrial burner market based on the fuel type?
7. What is the breakup of the global industrial burner market based on the automation?
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10. What is the breakup of the global industrial burner market based on the end use industry?
11. What are the key regions in the global industrial burner market?
12. Who are the key players/companies in the global industrial burner market?

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