

Industrial Boiler Market Opportunity, Growth Drivers, Industry Trend Analysis, and Forecast 2025 - 2034

<https://marketpublishers.com/r/I6B1E557305FEN.html>

Date: March 2025

Pages: 150

Price: US\$ 4,850.00 (Single User License)

ID: I6B1E557305FEN

Abstracts

The Global Industrial Boiler Market generated USD 11 billion in 2024 and is projected to grow at a CAGR of 4.5% between 2025 and 2034. The market is experiencing steady growth as industries increasingly focus on sustainability, energy efficiency, and compliance with stricter environmental regulations. As climate change concerns escalate, governments worldwide are implementing stringent emission standards for pollutants such as nitrogen oxides (NOx), sulfur oxides (SOx), and carbon dioxide (CO₂). These regulatory measures are compelling industrial facilities to adopt cleaner and more efficient boiler technologies, driving significant demand across various sectors. Additionally, the global shift toward renewable energy sources is transforming industrial operations, with many companies transitioning to eco-friendly fuel alternatives such as biomass, hydrogen, and biofuels.

Manufacturers in the industrial boiler market are responding to these evolving trends by developing next-generation boiler systems that optimize fuel consumption while minimizing emissions. Rising capital investments in industrial infrastructure, particularly in emerging economies, are further fueling market expansion. Industries such as chemical processing, food and beverage, and power generation are prioritizing advanced heating solutions that align with sustainability goals and enhance operational efficiency. The demand for high-performance industrial boilers is expected to rise as businesses seek cost-effective, energy-efficient systems that comply with global emission mandates.

The industrial boiler market is segmented based on fuel type, including natural gas, oil, and coal. The natural gas segment is anticipated to witness a CAGR of 5% by 2034, largely driven by the rapid expansion of liquefied natural gas (LNG) infrastructure and government incentives promoting low-emission fuel alternatives. As industries face mounting pressure to reduce their carbon footprint, there is a growing preference for advanced boilers that offer superior performance while adhering to stringent

environmental standards. Additionally, safety regulations mandating better boiler performance certifications are encouraging the adoption of technologically advanced systems across industries.

In terms of technology, the industrial boiler market is classified into condensing and non-condensing boilers. The condensing industrial boiler segment held an 82.7% market share in 2024 and is expected to see remarkable growth in the coming years. These boilers are designed to operate with higher efficiency, reducing fuel consumption and lowering greenhouse gas emissions. Their ability to capture and reuse heat from exhaust gases enhances energy savings, making them an attractive choice for industrial applications. As businesses prioritize sustainability, condensing boilers are gaining traction due to their lower environmental impact and long-term cost benefits.

U.S. industrial boiler market, valued at USD 1.4 billion in 2022, continues to grow as industries invest in energy-efficient heating infrastructure. Stricter energy efficiency mandates and the push for sustainable operations are driving the adoption of advanced heating technologies to meet space and water heating demands. High-performance industrial boilers are playing a crucial role in improving operational efficiency, thus reinforcing market growth in the region. As industries modernize their heating systems to comply with evolving regulations, the demand for innovative and eco-friendly boiler technologies is set to surge, further strengthening the industrial boiler market in the United States.

Contents

CHAPTER 1 METHODOLOGY & SCOPE

- 1.1 Market scope & definitions
- 1.2 Market estimates & forecast parameters
- 1.3 Forecast calculation
- 1.4 Data sources
 - 1.4.1 Primary
 - 1.4.2 Secondary
 - 1.4.2.1 Paid
 - 1.4.2.2 Public

CHAPTER 2 EXECUTIVE SUMMARY

- 2.1 Industry synopsis, 2021 - 2034

CHAPTER 3 INDUSTRY INSIGHTS

- 3.1 Industry ecosystem analysis
- 3.2 Regulatory landscape
- 3.3 Industry impact forces
 - 3.3.1 Growth drivers
 - 3.3.2 Industry pitfalls & challenges
- 3.4 Growth potential analysis
- 3.5 Porter's Analysis
 - 3.5.1 Bargaining power of suppliers
 - 3.5.2 Bargaining power of buyers
 - 3.5.3 Threat of new entrants
 - 3.5.4 Threat of substitutes
- 3.6 PESTEL Analysis

CHAPTER 4 COMPETITIVE LANDSCAPE, 2025

- 4.1 Introduction
- 4.2 Strategic outlook
- 4.3 Innovation & sustainability landscape

CHAPTER 5 MARKET SIZE AND FORECAST, BY PRODUCT, 2021 – 2034 (UNITS,

MMBTU/HR & USD MILLION)

5.1 Key trends

5.2 Fire-tube

5.2.1 By capacity

5.2.1.1 5.2.1.2 10 - 25 MMBtu/hr

5.2.1.3 25 - 50 MMBtu/hr

5.2.1.4 50 - 75 MMBtu/hr

5.2.1.5 75 - 100 MMBtu/hr

5.2.1.6 100 - 175 MMBtu/hr

5.2.1.7 175 - 250 MMBtu/hr

5.2.1.8 > 250 MMBtu/hr

5.2.2 By application

5.2.2.1 Food processing

5.2.2.2 Pulp & paper

5.2.2.3 Chemical

5.2.2.4 Refinery

5.2.2.5 Primary metal

5.2.2.6 Others

5.2.3 By technology

5.2.3.1 Condensing

5.2.3.2 Non-condensing

5.2.4 By fuel

5.2.4.1 Natural gas

5.2.4.2 Oil

5.2.4.3 Coal

5.2.4.4 Others

5.3 Water-tube

5.3.1 By capacity

5.3.1.1 5.3.1.2 10 - 25 MMBtu/hr

5.3.1.3 25 - 50 MMBtu/hr

5.3.1.4 50 - 75 MMBtu/hr

5.3.1.5 75 - 100 MMBtu/hr

5.3.1.6 100 - 175 MMBtu/hr

5.3.1.7 175 - 250 MMBtu/hr

5.3.1.8 > 250 MMBtu/hr

5.3.2 By application

5.3.2.1 Food processing

5.3.2.2 Pulp & paper

- 5.3.2.3 Chemical
- 5.3.2.4 Refinery
- 5.3.2.5 Primary metal
- 5.3.2.6 Others
- 5.3.3 By technology
 - 5.3.3.1 Condensing
 - 5.3.3.2 Non-condensing
- 5.3.4 By fuel
 - 5.3.4.1 Natural gas
 - 5.3.4.2 Oil
 - 5.3.4.3 Coal
 - 5.3.4.4 Others

CHAPTER 6 MARKET SIZE AND FORECAST, BY CAPACITY, 2021 – 2034 (UNITS, MMBTU/HR & USD MILLION)

- 6.1 Key trends
- 6.2 6.3 10 - 25 MMBtu/hr
- 6.4 25 - 50 MMBtu/hr
- 6.5 50 - 75 MMBtu/hr
- 6.6 75 - 100 MMBtu/hr
- 6.7 100 - 175 MMBtu/hr
- 6.8 175 - 250 MMBtu/hr
- 6.9 > 250 MMBtu/hr

CHAPTER 7 MARKET SIZE AND FORECAST, BY APPLICATION, 2021 – 2034 (UNITS, MMBTU/HR & USD MILLION)

- 7.1 Key trends
- 7.2 Food processing
- 7.3 Pulp & paper
- 7.4 Chemical
- 7.5 Refinery
- 7.6 Primary metal
- 7.7 Others

CHAPTER 8 MARKET SIZE AND FORECAST, BY FUEL, 2021 – 2034 (UNITS, MMBTU/HR & USD MILLION)

- 8.1 Key trends
- 8.2 Natural gas
- 8.3 Oil
- 8.4 Coal
- 8.5 Others

CHAPTER 9 MARKET SIZE AND FORECAST, BY TECHNOLOGY, 2021 – 2034 (UNITS, MMBTU/HR & USD MILLION)

- 9.1 Key trends
- 9.2 Condensing
- 9.3 Non-condensing

CHAPTER 10 MARKET SIZE AND FORECAST, BY REGION, 2021 – 2034 (UNITS, MMBTU/HR & USD MILLION)

- 10.1 Key trends
- 10.2 North America
 - 10.2.1 U.S.
 - 10.2.2 Canada
 - 10.2.3 Mexico
- 10.3 Europe
 - 10.3.1 France
 - 10.3.2 UK
 - 10.3.3 Poland
 - 10.3.4 Italy
 - 10.3.5 Spain
 - 10.3.6 Austria
 - 10.3.7 Germany
 - 10.3.8 Sweden
 - 10.3.9 Russia
- 10.4 Asia Pacific
 - 10.4.1 China
 - 10.4.2 India
 - 10.4.3 Philippines
 - 10.4.4 Japan
 - 10.4.5 South Korea
 - 10.4.6 Australia
 - 10.4.7 Indonesia

10.5 Middle East & Africa

10.5.1 Saudi Arabia

10.5.2 Iran

10.5.3 UAE

10.5.4 Nigeria

10.5.5 South Africa

10.6 Latin America

10.6.1 Brazil

10.6.2 Argentina

10.6.3 Chile

CHAPTER 11 COMPANY PROFILES

11.1 Babcock and Wilcox

11.2 Bharat Heavy Electricals

11.3 Bosch Industriekessel

11.4 Clayton Industries

11.5 Cleaver-Brooks

11.6 Cochran

11.7 Doosan Heavy Industries and Construction

11.8 Ferroli

11.9 Fondital

11.10 Fonderie Sime

11.11 Forbes Marshall

11.12 Fulton

11.13 Groupe Atlantic

11.14 General Electric

11.15 Hoval

11.16 Hurst Boiler & Welding

11.17 IHI Corporation

11.18 John Cockerill

11.19 John Wood Group

11.20 Mitsubishi Heavy Industries

11.21 Miura America

11.22 Rentech Boilers

11.23 Siemens

11.24 Sofinter

11.25 Thermax

11.26 Victory Energy Operations

11.27 Viessmann Climate Solutions

11.28 Walchandnagar Industries

I would like to order

Product name: Industrial Boiler Market Opportunity, Growth Drivers, Industry Trend Analysis, and Forecast 2025 - 2034

Product link: <https://marketpublishers.com/r/l6B1E557305FEN.html>

Price: US\$ 4,850.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/l6B1E557305FEN.html>