

# Global Industrial Hydrogen Firing Boiler Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

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## Abstracts

According to our (Global Info Research) latest study, the global Industrial Hydrogen Firing Boiler market size was valued at US\$ 101 million in 2025 and is forecast to a readjusted size of US\$ 1753 million by 2032 with a CAGR of 41.1% during review period.

An industrial hydrogen firing boiler is a large-scale steam or hot-water boiler specifically engineered to use hydrogen fuel (either blended with natural gas or 100% hydrogen) as its primary energy source, providing thermal energy for industrial processes while significantly reducing or eliminating carbon dioxide emissions at the point of use.

From an industry chain perspective, the upstream segment includes hydrogen supply and core components, such as green or blue hydrogen producers, gas supply and pressure regulation systems, hydrogen-compatible burners, valves and piping materials resistant to hydrogen embrittlement, advanced combustion control systems, flame and leak detection sensors, and boiler pressure parts made from alloy or carbon steels designed for high-temperature and high-pressure operation. The midstream segment consists of industrial boiler manufacturers and system integrators, who design and manufacture fire-tube, water-tube, or once-through hydrogen firing boilers, integrate ultra-low-NOx combustion technologies (such as lean premix, flue gas recirculation, or steam/water injection), conduct safety certification and performance testing, and deliver complete boiler island solutions including control systems and balance-of-plant equipment. The downstream segment includes end-use industries and distribution channels, such as EPC contractors, industrial utilities, and energy service companies, with applications spanning chemicals, refining, pharmaceuticals, food and beverage processing, pulp and paper, textiles, district heating, and power or cogeneration

systems. Overall, the industrial hydrogen firing boiler market is driven by industrial decarbonization targets, tightening emission regulations, availability of low-carbon hydrogen, and the need to retrofit or replace conventional fossil-fuel boilers with future-proof, low-emission thermal solutions.

In 2025, global Industrial Hydrogen Firing Boiler sales volume reached approximately 470 units, with an average global market price of around K US\$ 210 per unit.

This report is a detailed and comprehensive analysis for global Industrial Hydrogen Firing Boiler market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

### **Key Features:**

Global Industrial Hydrogen Firing Boiler market size and forecasts, in consumption value (\$ Million), sales quantity (Units), and average selling prices (US\$/Unit), 2021-2032

Global Industrial Hydrogen Firing Boiler market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Units), and average selling prices (US\$/Unit), 2021-2032

Global Industrial Hydrogen Firing Boiler market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (Units), and average selling prices (US\$/Unit), 2021-2032

Global Industrial Hydrogen Firing Boiler market shares of main players, shipments in revenue (\$ Million), sales quantity (Units), and ASP (US\$/Unit), 2021-2026

### **The Primary Objectives in This Report Are:**

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for Industrial Hydrogen Firing Boiler

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

This report profiles key players in the global Industrial Hydrogen Firing Boiler market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Bosch, Babcock & Wilcox, Viessmann, Fulton Boiler Works, Nationwide Boiler, Superior Boiler Technologies, Jericho Energy Ventures, Dunphy, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

## **Market Segmentation**

Industrial Hydrogen Firing Boiler market is split by Type and by Application. For the period 2021-2032, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

### Market segment by Type

Fire-Tube Hydrogen Firing Boiler

Water-Tube Hydrogen Firing Boiler

Other

### Market segment by Technology

Steam Boiler

Hot Water Boiler

### Market segment by Application

Chemical Industry

Food and Beverage Industry

Pharmaceutical Industry

Petrochemical Industry

Power Generation

Textile Industry

Paper and Pulp Industry

Building and Construction Industry

Others

#### Major players covered

Bosch

Babcock & Wilcox

Viessmann

Fulton Boiler Works

Nationwide Boiler

Superior Boiler Technologies

Jericho Energy Ventures

Dunphy

Market segment by region, regional analysis covers  
North America (United States, Canada, and Mexico)  
Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)  
Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)  
Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

**The content of the study subjects, includes a total of 15 chapters:**

Chapter 1, to describe Industrial Hydrogen Firing Boiler product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Industrial Hydrogen Firing Boiler, with price, sales quantity, revenue, and global market share of Industrial Hydrogen Firing Boiler from 2021 to 2026.

Chapter 3, the Industrial Hydrogen Firing Boiler competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Industrial Hydrogen Firing Boiler breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2021 to 2032.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2021 to 2032.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value, and market share for key countries in the world, from 2021 to 2026. and Industrial Hydrogen Firing Boiler market forecast, by regions, by Type, and by Application, with sales and revenue, from 2027 to 2032.

Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Industrial Hydrogen Firing Boiler.

Chapter 14 and 15, to describe Industrial Hydrogen Firing Boiler sales channel, distributors, customers, research findings and conclusion.

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