

Global Hydrogen Generation Equipment Competitive Landscape Professional Research Report 2025

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Abstracts

Market Overview

According to DIResearch's in-depth investigation and research, the global Hydrogen Generation Equipment market size will reach 258.37 Million USD in 2025 and is projected to reach 406.54 Million USD by 2032, with a CAGR of 6.69% (2025-2032). Notably, the China Hydrogen Generation Equipment market has changed rapidly in the past few years. By 2025, China's market size is expected to be Million USD, representing approximately % of the global market share.

Research Summary

Hydrogen generation equipment encompasses a diverse range of technologies and machinery designed to produce hydrogen gas efficiently. Commonly used methods include steam methane reforming (SMR), electrolysis, and gasification processes. SMR involves extracting hydrogen from natural gas, while electrolysis splits water into hydrogen and oxygen using an electric current. Gasification processes can derive hydrogen from various feedstocks, such as coal or biomass. The equipment associated with hydrogen generation includes reformers, electrolyzers, gasifiers, and associated components like compressors and purification systems. These technologies cater to different applications, from industrial hydrogen production for chemical processes to the creation of hydrogen as a clean fuel for fuel cells in transportation and power generation. As the demand for clean and sustainable energy solutions grows, hydrogen generation equipment plays a pivotal role in advancing the utilization of hydrogen as a versatile and environmentally friendly energy carrier.

The major global manufacturers of Hydrogen Generation Equipment include Mitsubishi

Gas Chemical, LONGi, Air Liquide, Air Products, Hydrogenics, Messer Group, Linde Group, McPhy Group, FuelCell Energy, Proton Onsite, Green Hydrogen Systems, Suzhou Jingli Hydrogen Production Equipment, TianJin Mainland Hydrogen Equipment, Australian Hydrogen Generation, Nel Hydrogen, Fortescue Future Industries, Ultimate Cell, etc. The global players competition landscape in this report is divided into three tiers. The first tier comprises global leading enterprises that command a substantial market share, hold a dominant industry position, possess strong competitiveness and influence, and generate significant revenue. The second tier includes companies with a notable market presence and reputation; these firms actively follow industry leaders in product, service, or technological innovation and maintain a moderate revenue scale. The third tier consists of smaller companies with limited market share and lower brand recognition, primarily focused on local markets and generating comparatively lower revenue.

This report studies the market size, price trends and future development prospects of Hydrogen Generation Equipment. Focus on analysing the market share, product portfolio, prices, sales, revenue and gross profit margin of global major manufacturers, as well as the market status and trends of different product types and applications in the global Hydrogen Generation Equipment market. The report data covers historical data from 2020 to 2024, based year in 2025 and forecast data from 2026 to 2032.

The regions and countries in the report include North America, Europe, China, APAC (excl. China), Latin America and Middle East and Africa, covering the Hydrogen Generation Equipment market conditions and future development trends of key regions and countries, combined with industry-related policies and the latest technological developments, analyze the development characteristics of Hydrogen Generation Equipment industries in various regions and countries, help companies understand the development characteristics of each region, help companies formulate business strategies, and achieve the ultimate goal of the company's global development strategy.

The data sources of this report mainly include the National Bureau of Statistics, customs databases, industry associations, corporate financial reports, third-party databases, etc. Among them, macroeconomic data mainly comes from the National Bureau of Statistics, International Economic Research Organization; industry statistical data mainly come from industry associations; company data mainly comes from interviews, public information collection, third-party reliable databases, and price data mainly comes from various markets monitoring database.

Global Key Manufacturers of Hydrogen Generation Equipment Include:

Mitsubishi Gas Chemical

LONGi

Air Liquide

Air Products

Hydrogenics

Messer Group

Linde GroupMcPhy Group

FuelCell Energy

Proton Onsite

Green Hydrogen Systems

Suzhou Jingli Hydrogen Production Equipment

TianJin Mainland Hydrogen Equipment

Australian Hydrogen Generation

Nel Hydrogen

Fortescue Future Industries

Ultimate Cell

Hydrogen Generation Equipment Product Segment Include:

Electrolyzer

Hydrogen Generator

Others

Hydrogen Generation Equipment Product Application Include:

Petrochemical

Iron and Steel Metallurgy

Transportation

Energy and Power

Others

Chapter Scope

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