

# Global Deuterium 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 Deuterium market size was valued at US\$ 212 million in 2025 and is forecast to a readjusted size of US\$ 298 million by 2032 with a CAGR of 5.0% during review period.

H. or. D., (also known as heavy hydrogen) is one of two stable isotopes of hydrogen (the other being protium, or hydrogen-1). The nucleus of a deuterium atom, called a deuteron, contains one proton and one neutron, whereas the far more common protium has no neutrons in the nucleus.

Linde Gas is the largest manufacturer of deuterium (CAS 7782-39-0) in the world, has a market share of about 45%. Other key players include Matheson Tri-Gas and Cambridge Isotope Laboratories, etc.

Geographically speaking, North America is the largest production region and has a market share of over 80%. In terms of type, 5N purity deuterium gas is most popular and has a market share of about 99%. In terms of application, optical fiber industry is the dominant field using deuterium and accounts for about 35% market share.

This report is a detailed and comprehensive analysis for global Deuterium 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 Deuterium market size and forecasts, in consumption value (\$ Million), sales quantity (Kg), and average selling prices (USD/Kg), 2021-2032

Global Deuterium market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Kg), and average selling prices (USD/Kg), 2021-2032

Global Deuterium market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (Kg), and average selling prices (USD/Kg), 2021-2032

Global Deuterium market shares of main players, shipments in revenue (\$ Million), sales quantity (Kg), and ASP (USD/Kg), 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 Deuterium

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 Deuterium 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 Linde Gas, Matheson Tri-Gas, Cambridge Isotope Laboratories, Sigma-Aldrich, Center of Molecular Research, CSIC, Heavy Water Board (HWB), Isowater Corporation, Sumitomo Seika Chemical, Shenzhen Kylin Technology, etc.

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

### **Market Segmentation**

Deuterium 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

4N Purity Deuterium Gas

5N Purity Deuterium Gas

## Market segment by Application

Optical Fiber

Semiconductor

Deuterated Compounds

Nuclear

Others

## Major players covered

Linde Gas

Matheson Tri-Gas

Cambridge Isotope Laboratories

Sigma-Aldrich

Center of Molecular Research

CSIC

Heavy Water Board (HWB)

Isowater Corporation

Sumitomo Seika Chemical

## Shenzhen Kylin Technology

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 Deuterium product scope, market overview, market estimation caveats and base year.

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

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

Chapter 4, the Deuterium 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 Deuterium 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 Deuterium.

Chapter 14 and 15, to describe Deuterium sales channel, distributors, customers, research findings and conclusion.

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