

# Global High Purity Industrial Oxygen Market 2023 by Manufacturers, Regions, Type and Application, Forecast to 2029

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## Abstracts

According to our (Global Info Research) latest study, the global High Purity Industrial Oxygen market size was valued at USD 671.3 million in 2022 and is forecast to a readjusted size of USD 880.5 million by 2029 with a CAGR of 4.0% during review period.

High-purity oxygen is a colorless, odorless and tasteless gas with a molecular formula of O<sub>2</sub>. High-purity oxygen is used for chemical vapor deposition of silicon dioxide; as an oxidation source and as a reactant to produce high-purity water; dry oxidation; mixed with carbon tetrafluoride for plasma etching. Oxygen's primary use stems from its life-sustaining and combustion-supporting properties; it is widely used in the metallurgical industry. It can also be used for water treatment. All oxidation reactions and combustion processes require oxygen, such as the removal of impurities such as sulfur and phosphorus during steelmaking. The temperature of the oxygen and acetylene mixture when burning is as high as 3500 °C, which is used for welding and cutting of steel. Glass manufacturing, cement production, mineral roasting, and hydrocarbon processing all require oxygen. Liquid oxygen is also used as rocket fuel, which is cheaper than other fuels.

The Global Info Research report includes an overview of the development of the High Purity Industrial Oxygen industry chain, the market status of Metallurgy (99.5%-99.995%, ?99.995%), Welding and Cutting (99.5%-99.995%, ?99.995%), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of High Purity Industrial Oxygen.

Regionally, the report analyzes the High Purity Industrial Oxygen markets in key

regions. North America and Europe are experiencing steady growth, driven by government initiatives and increasing consumer awareness. Asia-Pacific, particularly China, leads the global High Purity Industrial Oxygen market, with robust domestic demand, supportive policies, and a strong manufacturing base.

#### Key Features:

The report presents comprehensive understanding of the High Purity Industrial Oxygen market. It provides a holistic view of the industry, as well as detailed insights into individual components and stakeholders. The report analysis market dynamics, trends, challenges, and opportunities within the High Purity Industrial Oxygen industry.

The report involves analyzing the market at a macro level:

**Market Sizing and Segmentation:** Report collect data on the overall market size, including the sales quantity (Tons), revenue generated, and market share of different by Type (e.g., 99.5%-99.995%, ?99.995%).

**Industry Analysis:** Report analyse the broader industry trends, such as government policies and regulations, technological advancements, consumer preferences, and market dynamics. This analysis helps in understanding the key drivers and challenges influencing the High Purity Industrial Oxygen market.

**Regional Analysis:** The report involves examining the High Purity Industrial Oxygen market at a regional or national level. Report analyses regional factors such as government incentives, infrastructure development, economic conditions, and consumer behaviour to identify variations and opportunities within different markets.

**Market Projections:** Report covers the gathered data and analysis to make future projections and forecasts for the High Purity Industrial Oxygen market. This may include estimating market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to High Purity Industrial Oxygen:

**Company Analysis:** Report covers individual High Purity Industrial Oxygen manufacturers, suppliers, and other relevant industry players. This analysis includes studying their financial performance, market positioning, product portfolios, partnerships, and strategies.

**Consumer Analysis:** Report covers data on consumer behaviour, preferences, and attitudes towards High Purity Industrial Oxygen. This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (Metallurgy, Welding and Cutting).

**Technology Analysis:** Report covers specific technologies relevant to High Purity Industrial Oxygen. It assesses the current state, advancements, and potential future developments in High Purity Industrial Oxygen areas.

**Competitive Landscape:** By analyzing individual companies, suppliers, and consumers, the report presents insights into the competitive landscape of the High Purity Industrial Oxygen market. This analysis helps understand market share, competitive advantages, and potential areas for differentiation among industry players.

**Market Validation:** The report involves validating findings and projections through primary research, such as surveys, interviews, and focus groups.

## Market Segmentation

High Purity Industrial Oxygen market is split by Type and by Application. For the period 2018-2029, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value.

### Market segment by Type

99.5%-99.995%

?99.995%

### Market segment by Application

Metallurgy

Welding and Cutting

Chemical

Others

Major players covered

Linde Group

AirLiquide

Praxair

Air Product

Taiyo Nippon Sanso

Airgas

MESSER

Air Water

Yingde Gases

Hangzhou Hangyang

SCGC

Baosteel Gases

Guangdong Huate Gas

Chengdu Dongfeng Industrial Gases

Shenzhen Hengdaxing Industrial Gases

Xianyang Ruixiang Industrial Gases

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 High Purity Industrial Oxygen product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of High Purity Industrial Oxygen, with price, sales, revenue and global market share of High Purity Industrial Oxygen from 2018 to 2023.

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

Chapter 4, the High Purity Industrial Oxygen breakdown data are shown at the regional level, to show the sales quantity, consumption value and growth by regions, from 2018 to 2029.

Chapter 5 and 6, to segment the sales by Type and application, with sales market share and growth rate by type, application, from 2018 to 2029.

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 2017 to 2022. and High Purity Industrial Oxygen market forecast, by regions, type and application, with sales and revenue, from 2024 to 2029.

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 High Purity Industrial Oxygen.

Chapter 14 and 15, to describe High Purity Industrial Oxygen sales channel, distributors, customers, research findings and conclusion.

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