

Global High Purity Industrial Oxygen Supply, Demand and Key Producers, 2023-2029

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Abstracts

The global High Purity Industrial Oxygen market size is expected to reach \$ 880.5 million by 2029, rising at a market growth of 4.0% CAGR during the forecast period (2023-2029).

High-purity oxygen is a colorless, odorless and tasteless gas with a molecular formula of O₂. 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.

This report studies the global High Purity Industrial Oxygen production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for High Purity Industrial Oxygen, and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2022 as the base year. This report explores demand trends and competition, as well as details the characteristics of High Purity Industrial Oxygen that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global High Purity Industrial Oxygen total production and demand, 2018-2029, (Tons)

Global High Purity Industrial Oxygen total production value, 2018-2029, (USD Million)

Global High Purity Industrial Oxygen production by region & country, production, value, CAGR, 2018-2029, (USD Million) & (Tons)

Global High Purity Industrial Oxygen consumption by region & country, CAGR, 2018-2029 & (Tons)

U.S. VS China: High Purity Industrial Oxygen domestic production, consumption, key domestic manufacturers and share

Global High Purity Industrial Oxygen production by manufacturer, production, price, value and market share 2018-2023, (USD Million) & (Tons)

Global High Purity Industrial Oxygen production by Type, production, value, CAGR, 2018-2029, (USD Million) & (Tons)

Global High Purity Industrial Oxygen production by Application production, value, CAGR, 2018-2029, (USD Million) & (Tons).

This reports profiles key players in the global High Purity Industrial Oxygen market based on the following parameters – company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Linde Group, AirLiquide, Praxair, Air Product, Taiyo Nippon Sanso, Airgas, MESSER, Air Water and Yingde Gases, etc.

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

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World High Purity Industrial Oxygen market.

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$

Millions), volume (production, consumption) & (Tons) and average price (US\$/Ton) by manufacturer, by Type, and by Application. Data is given for the years 2018-2029 by year with 2022 as the base year, 2023 as the estimate year, and 2024-2029 as the forecast year.

Global High Purity Industrial Oxygen Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global High Purity Industrial Oxygen Market, Segmentation by Type

99.5%-99.995%

?99.995%

Global High Purity Industrial Oxygen Market, Segmentation by Application

Metallurgy

Welding and Cutting

Chemical

Others

Companies Profiled:

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

Key Questions Answered

1. How big is the global High Purity Industrial Oxygen market?
2. What is the demand of the global High Purity Industrial Oxygen market?
3. What is the year over year growth of the global High Purity Industrial Oxygen market?
4. What is the production and production value of the global High Purity Industrial Oxygen market?
5. Who are the key producers in the global High Purity Industrial Oxygen market?

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