

Global Cryogenic Air Separation Equipment Market Growth 2025-2031

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Abstracts

The global Cryogenic Air Separation Equipment market size is predicted to grow from US\$ 4759 million in 2025 to US\$ 6534 million in 2031; it is expected to grow at a CAGR of 5.4% from 2025 to 2031.

The impact of the latest U.S. tariff measures and the corresponding policy responses from countries worldwide on market competitiveness, regional economic performance, and supply chain configurations will be comprehensively evaluated in this report.

Cryogenic Air Separation Equipment is a technology used to separate atmospheric air into its primary components, namely nitrogen, oxygen, and, in some cases, other noble gases. This process is based on exploiting the differences in boiling points of these gases at extremely low temperatures. The equipment includes cryogenic distillation columns, heat exchangers, and compressors, and it finds extensive use in industrial gas production, such as supplying gases for medical purposes, metal fabrication, and electronics manufacturing.

United States market for Cryogenic Air Separation Equipment is estimated to increase from US\$ million in 2024 to US\$ million by 2031, at a CAGR of % from 2025 through 2031.

China market for Cryogenic Air Separation Equipment is estimated to increase from US\$ million in 2024 to US\$ million by 2031, at a CAGR of % from 2025 through 2031.

Europe market for Cryogenic Air Separation Equipment is estimated to increase from US\$ million in 2024 to US\$ million by 2031, at a CAGR of % from 2025 through 2031.

Global key Cryogenic Air Separation Equipment players cover Linde, Air Liquide, Praxair, Air Products, Taiyo Nippon Sanso, etc. In terms of revenue, the global two largest companies occupied for a share nearly % in 2024.

LP Information, Inc. (LPI) ' newest research report, the "Cryogenic Air Separation Equipment Industry Forecast" looks at past sales and reviews total world Cryogenic Air Separation Equipment sales in 2024, providing a comprehensive analysis by region and market sector of projected Cryogenic Air Separation Equipment sales for 2025 through 2031. With Cryogenic Air Separation Equipment sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Cryogenic Air Separation Equipment industry.

This Insight Report provides a comprehensive analysis of the global Cryogenic Air Separation Equipment landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyzes the strategies of leading global companies with a focus on Cryogenic Air Separation Equipment portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Cryogenic Air Separation Equipment market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Cryogenic Air Separation Equipment and breaks down the forecast by Type, by Application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global Cryogenic Air Separation Equipment.

This report presents a comprehensive overview, market shares, and growth opportunities of Cryogenic Air Separation Equipment market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

By Membrane

By Pressure Swing Adsorption (PSA)

Others

Segmentation by Application:

Chemical Industry

Metallurgy Industry

Other

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analysing the company's coverage, product portfolio, its market penetration.

Linde

Air Liquide

Praxair

Air Products

Taiyo Nippon Sanso

Hangyang Group

Sichuan Air Separation

HNEC

Messer

JSC Cryogenmash

AMCS

Gas Engineering LLC

Air Water

Key Questions Addressed in this Report

What is the 10-year outlook for the global Cryogenic Air Separation Equipment market?

What factors are driving Cryogenic Air Separation Equipment market growth, globally and by region?

Which technologies are poised for the fastest growth by market and region?

How do Cryogenic Air Separation Equipment market opportunities vary by end market size?

How does Cryogenic Air Separation Equipment break out by Type, by Application?

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