

Global Nitrogen Cryogenic Equipment Market Growth 2026-2032

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Abstracts

The global Nitrogen Cryogenic Equipment market size is predicted to grow from US\$ 363 million in 2025 to US\$ 569 million in 2032; it is expected to grow at a CAGR of 6.3% from 2026 to 2032.

Nitrogen cryogenic equipment refers to industrial systems and devices designed to produce, store, transport, and utilize liquid nitrogen (LN₂) or ultra-low-temperature nitrogen gas, typically at temperatures around -196 °C. These systems use the extremely low boiling point of nitrogen to provide rapid cooling, freezing, or inert atmospheres for industrial processes. Nitrogen cryogenic equipment is widely applied in food freezing, pharmaceuticals, medical storage, semiconductor manufacturing, metallurgy, chemical processing, and aerospace testing. In 2025, global Nitrogen Cryogenic Equipment production reached approximately 10.3 k units, with an average global market price of around US\$36000 per unit. The production capacity for Nitrogen Cryogenic Equipment in 2025 was approximately 12 k units. The typical gross profit margin for Nitrogen Cryogenic Equipment between 20% and 40%.

United States market for Nitrogen Cryogenic Equipment is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

China market for Nitrogen Cryogenic Equipment is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

Europe market for Nitrogen Cryogenic Equipment is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

Global key Nitrogen Cryogenic Equipment players cover Linde, Chart Industries, Parker

Hannifin, Air Products, INOX, etc. In terms of revenue, the global two largest companies occupied for a share nearly % in 2025.

LP Information, Inc. (LPI) ' newest research report, the "Nitrogen Cryogenic Equipment Industry Forecast" looks at past sales and reviews total world Nitrogen Cryogenic Equipment sales in 2025, providing a comprehensive analysis by region and market sector of projected Nitrogen Cryogenic Equipment sales for 2026 through 2032. With Nitrogen Cryogenic Equipment sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Nitrogen Cryogenic Equipment industry.

This Insight Report provides a comprehensive analysis of the global Nitrogen Cryogenic 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 Nitrogen Cryogenic Equipment portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Nitrogen Cryogenic Equipment market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Nitrogen Cryogenic 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 Nitrogen Cryogenic Equipment.

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

Segmentation by Type:

Tanks

Valves

Vaporizers

Pumps

Others

Segmentation by Temperature Grade:

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