

# Global NbTi Low Temperature Superconducting Alloys Market Growth 2024-2030

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## Abstracts

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Superconductivity is a set of physical properties observed in certain materials where electrical resistance vanishes and magnetic fields are expelled from the material. Any material exhibiting these properties is a superconductor. Superconductors with a critical temperature lower than 40K (-233.15°C) are called low-temperature superconductors, those with a critical temperature higher than 40K (-233.15°C) are called high-temperature superconductors, and those with a critical temperature higher than about 300K (26.85°C) are called room temperature superconductors. The main representatives of low-temperature superconducting alloys include niobium-titanium alloy (NbTi), niobium-tin alloy (Nb<sub>3</sub>Sn), niobium-aluminum alloy (Nb<sub>3</sub>Al) and other alloys. However, currently the only commercialized low-temperature superconducting alloys are niobium-titanium alloy (NbTi) and niobium-tin alloys (Nb<sub>3</sub>Sn).

NbTi low temperature superconducting alloy is composed of two elements: niobium and titanium. The titanium content in the alloy is generally in the range of 46% to 50% (mass fraction), and it is the most widely used superconducting material.

The global NbTi Low Temperature Superconducting Alloys market size is projected to grow from US\$ million in 2024 to US\$ million in 2030; it is expected to grow at a CAGR of %from 2024 to 2030.

LP Information, Inc. (LPI) ' newest research report, the “NbTi Low Temperature Superconducting Alloys Industry Forecast” looks at past sales and reviews total world NbTi Low Temperature Superconducting Alloys sales in 2023, providing a comprehensive analysis by region and market sector of projected NbTi Low

Temperature Superconducting Alloys sales for 2024 through 2030. With NbTi Low Temperature Superconducting Alloys sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world NbTi Low Temperature Superconducting Alloys industry.

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

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for NbTi Low Temperature Superconducting Alloys 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 NbTi Low Temperature Superconducting Alloys.

United States market for NbTi Low Temperature Superconducting Alloys is estimated to increase from US\$ million in 2023 to US\$ million by 2030, at a CAGR of % from 2024 through 2030.

China market for NbTi Low Temperature Superconducting Alloys is estimated to increase from US\$ million in 2023 to US\$ million by 2030, at a CAGR of % from 2024 through 2030.

Europe market for NbTi Low Temperature Superconducting Alloys is estimated to increase from US\$ million in 2023 to US\$ million by 2030, at a CAGR of % from 2024 through 2030.

Global key NbTi Low Temperature Superconducting Alloys players cover Bruker, ATI Inc., Luvata, JASTEC, Oxford, etc. In terms of revenue, the global two largest companies occupied for a share nearly

% in 2023.

This report presents a comprehensive overview, market shares, and growth opportunities of NbTi Low Temperature Superconducting Alloys market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

NbTi Wire

NbTi Ingot Rod

Segmentation by Application:

MRI

MCZ

NMR

ITER

Accelerator

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.

Bruker

ATI Inc.

Luvata

JASTEC

Oxford

Western Superconducting Material Technologies

Furukawa Electric

Supercon, Inc

Alloy Hit

Firmetal Group

### Key Questions Addressed in this Report

What is the 10-year outlook for the global NbTi Low Temperature Superconducting Alloys market?

What factors are driving NbTi Low Temperature Superconducting Alloys market growth, globally and by region?

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

How do NbTi Low Temperature Superconducting Alloys market opportunities vary by end market size?

How does NbTi Low Temperature Superconducting Alloys break out by Type, by Application?

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