

Global Nanocrystalline Soft Magnetic Material Market Growth 2025-2031

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Abstracts

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The global Nanocrystalline Soft Magnetic Material market size is predicted to grow from US\$ 412 million in 2025 to US\$ 784 million in 2031; it is expected to grow at a CAGR of 11.3% from 2025 to 2031.

Nanocrystalline alloys are materials based on Fe, Si and B as well as Nb and Cu. They are produced in thin ribbons by rapid solidification technology, initially amorphous, and then crystallized in heat treatment at about 500-600 ° C. This results in the microstructure of very fine grains with a grain size of 10 nanometers - hence known as nanocrystals. These nanocrystalline alloys have low magnetic anisotropy and low magnetostriction, and have high magnetic flux density BS and good thermal stability.

The market of nanocrystalline soft magnetic material molding key players such as Proterial, Ltd. (Formerly Hitachi Metals), Qingdao Yunlu, Advanced Technology, VACUUMSCHMELZE and Londerful New Material. Among them, Proterial, Ltd. (Formerly Hitachi Metals) is the leader with about 45% revenue market share. Asia Pacific is the largest market, with a share about 60%, followed by North America and Europe with the share about 21% and 12%.

Based on the product type, the Nanocrystalline Soft Magnetic Materials is primarily split into 14-18 μ m, 18-22 μ m and 22-26 μ m. 18-22 μ m thickness accounts for the largest market share, about 43%. And in terms of application, the largest application is Home Appliances and Consumer Electronics, followed by electric power.

LP Information, Inc. (LPI) ' newest research report, the "Nanocrystalline Soft Magnetic

Material Industry Forecast” looks at past sales and reviews total world Nanocrystalline Soft Magnetic Material sales in 2024, providing a comprehensive analysis by region and market sector of projected Nanocrystalline Soft Magnetic Material sales for 2025 through 2031. With Nanocrystalline Soft Magnetic Material sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Nanocrystalline Soft Magnetic Material industry.

This Insight Report provides a comprehensive analysis of the global Nanocrystalline Soft Magnetic Material 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 Nanocrystalline Soft Magnetic Material portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms’ unique position in an accelerating global Nanocrystalline Soft Magnetic Material market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Nanocrystalline Soft Magnetic Material 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 Nanocrystalline Soft Magnetic Material.

This report presents a comprehensive overview, market shares, and growth opportunities of Nanocrystalline Soft Magnetic Material market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

Thickness: 14-18 ?m

Thickness: 18-22 ?m

Thickness: 22-26 ?m

Others

Segmentation by Application:

Home Appliances and Consumer Electronics

Photovoltaics and Wind Power

Electric Power

Aerospace

Medical

Automotive and Transportation

Others

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.

Proterial, Ltd. (Formerly Hitachi Metals)

Qingdao Yunlu

Advanced Technology

VACUUMSCHMELZE

China Amorphous Technology

Henan Zhongyue

Foshan Huaxin

Londerful New Material

Orient Group

Bomatec

OJSC MSTATOR

JoinChina Advanced Materials

Vikarsh Nano

Key Questions Addressed in this Report

What is the 10-year outlook for the global Nanocrystalline Soft Magnetic Material market?

What factors are driving Nanocrystalline Soft Magnetic Material market growth, globally and by region?

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

How do Nanocrystalline Soft Magnetic Material market opportunities vary by end market size?

How does Nanocrystalline Soft Magnetic Material break out by Type, by Application?

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