

Global Nanocrystalline Soft Magnetic Material Supply, Demand and Key Producers, 2023-2029

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Abstracts

The global Nanocrystalline Soft Magnetic Material market size is expected to reach \$ 697.6 million by 2029, rising at a market growth of 10.4% CAGR during the forecast period (2023-2029).

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.

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.

This report studies the global Nanocrystalline Soft Magnetic Material production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Nanocrystalline Soft Magnetic Material, 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 Nanocrystalline Soft Magnetic Material that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Nanocrystalline Soft Magnetic Material total production and demand, 2018-2029, (Tonnes)

Global Nanocrystalline Soft Magnetic Material total production value, 2018-2029, (USD Million)

Global Nanocrystalline Soft Magnetic Material production by region & country, production, value, CAGR, 2018-2029, (USD Million) & (Tonnes)

Global Nanocrystalline Soft Magnetic Material consumption by region & country, CAGR, 2018-2029 & (Tonnes)

U.S. VS China: Nanocrystalline Soft Magnetic Material domestic production, consumption, key domestic manufacturers and share

Global Nanocrystalline Soft Magnetic Material production by manufacturer, production, price, value and market share 2018-2023, (USD Million) & (Tonnes)

Global Nanocrystalline Soft Magnetic Material production by Type, production, value, CAGR, 2018-2029, (USD Million) & (Tonnes)

Global Nanocrystalline Soft Magnetic Material production by Application production, value, CAGR, 2018-2029, (USD Million) & (Tonnes).

This reports profiles key players in the global Nanocrystalline Soft Magnetic Material 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 Proterial, Ltd. (Formerly Hitachi Metals), Qingdao Yunlu, Advanced Technology, VACUUMSCHMELZE, China Amorphous Technology, Henan Zhongyue, Foshan Huaxin, Londerful New Material and Orient Group, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals, COVID-19 and Russia-Ukraine War Influence.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Nanocrystalline Soft Magnetic Material market.

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (Tonnes) and average price (US\$/Tonne) 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 Nanocrystalline Soft Magnetic Material Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Nanocrystalline Soft Magnetic Material Market, Segmentation by Type

Thickness: 14-18 μ m

Thickness: 18-22 μ m

Thickness: 22-26 μ m

Others

Global Nanocrystalline Soft Magnetic Material Market, Segmentation by Application

Home Appliances and Consumer Electronics

Photovoltaics and Wind Power

Electric Power

Aerospace

Medical

Automotive and Transportation

Others

Companies Profiled:

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 Answered

1. How big is the global Nanocrystalline Soft Magnetic Material market?
2. What is the demand of the global Nanocrystalline Soft Magnetic Material market?
3. What is the year over year growth of the global Nanocrystalline Soft Magnetic Material market?
4. What is the production and production value of the global Nanocrystalline Soft Magnetic Material market?
5. Who are the key producers in the global Nanocrystalline Soft Magnetic Material market?
6. What are the growth factors driving the market demand?

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