

# Global Amorphous and Nanocrystalline Soft Magnetic Materials Market 2023 by Manufacturers, Regions, Type and Application, Forecast to 2029

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# **Abstracts**

According to our (Global Info Research) latest study, the global Amorphous and Nanocrystalline Soft Magnetic Materials market size was valued at USD million in 2022 and is forecast to a readjusted size of USD million by 2029 with a CAGR of % during review period. The influence of COVID-19 and the Russia-Ukraine War were considered while estimating market sizes.

Amorphous Ribbon is a new soft magnetic material. It is produced through the advanced technology of rapid solidification of molten metal at a cooling rate of about a million ?/sec. During this process the metal is rapidly quenched as a form of ribbon with 25-35 ?m thickness, and the micro-structure of the alloy is the amorphous due to the high quenching rate. 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 is a detailed and comprehensive analysis for global Amorphous and Nanocrystalline Soft Magnetic Materials market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the



year 2023, are provided.

# Key Features:

Global Amorphous and Nanocrystalline Soft Magnetic Materials market size and forecasts, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/Ton), 2018-2029

Global Amorphous and Nanocrystalline Soft Magnetic Materials market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/Ton), 2018-2029

Global Amorphous and Nanocrystalline Soft Magnetic Materials market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/Ton), 2018-2029

Global Amorphous and Nanocrystalline Soft Magnetic Materials market shares of main players, shipments in revenue (\$ Million), sales quantity (Tons), and ASP (US\$/Ton), 2018-2023

The Primary Objectives in This Report Are:

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for Amorphous and Nanocrystalline Soft Magnetic Materials

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

This report profiles key players in the global Amorphous and Nanocrystalline Soft Magnetic Materials 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., Qingdao Yunlu, Advanced Technology, VACUUMSCHMELZE and Zhejiang Zhaojing Electrical, etc.

This report also provides key insights about market drivers, restraints, opportunities,



new product launches or approvals, COVID-19 and Russia-Ukraine War Influence.

Market Segmentation

Market segment by Type

Amorphous and Nanocrystalline Soft Magnetic Materials market is split by Type and by Application. For the period 2018-2029, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

Amorphous Ribbons

Nanocrystalline Ribbons

Market segment by Application

Transformer

Home Appliances and Consumer Electronics

Photovoltaics and Wind Power

Automotive and Transportation

Aerospace

Medical

Others

Major players covered

Proterial, Ltd.

Qingdao Yunlu



Advanced Technology

VACUUMSCHMELZE

Zhejiang Zhaojing Electrical

China Amorphous Technology

Henan Zhongyue

Foshan Huaxin

Londerful New Material

Jiangsu Guoneng Alloy Technology

Bomatec

OJSC MSTATOR

JoinChina Advanced Materials

Vikarsh Nano

Market segment by region, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)



The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Amorphous and Nanocrystalline Soft Magnetic Materials product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Amorphous and Nanocrystalline Soft Magnetic Materials, with price, sales, revenue and global market share of Amorphous and Nanocrystalline Soft Magnetic Materials from 2018 to 2023.

Chapter 3, the Amorphous and Nanocrystalline Soft Magnetic Materials competitive situation, sales quantity, revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Amorphous and Nanocrystalline Soft Magnetic Materials breakdown data are shown at the regional level, to show the sales quantity, consumption value and growth by regions, from 2018 to 2029.

Chapter 5 and 6, to segment the sales by Type and application, with sales market share and growth rate by type, application, from 2018 to 2029.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value and market share for key countries in the world, from 2017 to 2022.and Amorphous and Nanocrystalline Soft Magnetic Materials market forecast, by regions, type and application, with sales and revenue, from 2024 to 2029.

Chapter 12, market dynamics, drivers, restraints, trends, Porters Five Forces analysis, and Influence of COVID-19 and Russia-Ukraine War.

Chapter 13, the key raw materials and key suppliers, and industry chain of Amorphous and Nanocrystalline Soft Magnetic Materials.

Chapter 14 and 15, to describe Amorphous and Nanocrystalline Soft Magnetic Materials sales channel, distributors, customers, research findings and conclusion.



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