

Global High Performance Grain Oriented Electrical steel Market 2023 by Manufacturers, Regions, Type and Application, Forecast to 2029

<https://marketpublishers.com/r/G59502AD18F7EN.html>

Date: September 2023

Pages: 110

Price: US\$ 3,480.00 (Single User License)

ID: G59502AD18F7EN

Abstracts

According to our (Global Info Research) latest study, the global High Performance Grain Oriented Electrical steel market size was valued at USD 22570 million in 2022 and is forecast to a readjusted size of USD 28610 million by 2029 with a CAGR of 3.4% during review period.

Oriented electrical steel, also known as cold-rolled oriented silicon steel, refers to cold-rolled electrical steel containing 2.9% to 3.5% Si, and the crystal structure of the steel plate has certain rules and directions. Oriented electrical steel is an indispensable soft magnetic material in the power industry, mainly used in transformers, rectifiers, reactors and large motors and other industries.

Grain-oriented electrical steel is an indispensable soft magnetic material in the electric power industry. It is mainly used in various types of rectifiers, transformers, reactors and large motors, and is used to manufacture the cores of various transformers. With the continuous development of social economy, the demand of the power industry will continue to increase, and the high-performance grain-oriented electrical steel market will also expand accordingly. At the same time, with the rapid development of new energy vehicles, smart grid and other fields, the application range of electrical steel will be further expanded. In addition, with the continuous innovation of technology, the performance of high-performance grain-oriented electrical steel will continue to improve to meet more stringent requirements for use. Therefore, the high-performance grain-oriented electrical steel market has broad development prospects.

The Global Info Research report includes an overview of the development of the High Performance Grain Oriented Electrical steel industry chain, the market status of

Transformer (High Magnetic Induction Oriented Electrical Steel, Ordinary Cold-rolled Grain-oriented Electrical Steel), Rectifier (High Magnetic Induction Oriented Electrical Steel, Ordinary Cold-rolled Grain-oriented Electrical Steel), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of High Performance Grain Oriented Electrical steel.

Regionally, the report analyzes the High Performance Grain Oriented Electrical steel markets in key regions. North America and Europe are experiencing steady growth, driven by government initiatives and increasing consumer awareness. Asia-Pacific, particularly China, leads the global High Performance Grain Oriented Electrical steel market, with robust domestic demand, supportive policies, and a strong manufacturing base.

Key Features:

The report presents comprehensive understanding of the High Performance Grain Oriented Electrical steel market. It provides a holistic view of the industry, as well as detailed insights into individual components and stakeholders. The report analysis market dynamics, trends, challenges, and opportunities within the High Performance Grain Oriented Electrical steel industry.

The report involves analyzing the market at a macro level:

Market Sizing and Segmentation: Report collect data on the overall market size, including the sales quantity (Tons), revenue generated, and market share of different by Type (e.g., High Magnetic Induction Oriented Electrical Steel, Ordinary Cold-rolled Grain-oriented Electrical Steel).

Industry Analysis: Report analyse the broader industry trends, such as government policies and regulations, technological advancements, consumer preferences, and market dynamics. This analysis helps in understanding the key drivers and challenges influencing the High Performance Grain Oriented Electrical steel market.

Regional Analysis: The report involves examining the High Performance Grain Oriented Electrical steel market at a regional or national level. Report analyses regional factors such as government incentives, infrastructure development, economic conditions, and consumer behaviour to identify variations and opportunities within different markets.

Market Projections: Report covers the gathered data and analysis to make future projections and forecasts for the High Performance Grain Oriented Electrical steel market. This may include estimating market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to High Performance Grain Oriented Electrical steel:

Company Analysis: Report covers individual High Performance Grain Oriented Electrical steel manufacturers, suppliers, and other relevant industry players. This analysis includes studying their financial performance, market positioning, product portfolios, partnerships, and strategies.

Consumer Analysis: Report covers data on consumer behaviour, preferences, and attitudes towards High Performance Grain Oriented Electrical steel. This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (Transformer, Rectifier).

Technology Analysis: Report covers specific technologies relevant to High Performance Grain Oriented Electrical steel. It assesses the current state, advancements, and potential future developments in High Performance Grain Oriented Electrical steel areas.

Competitive Landscape: By analyzing individual companies, suppliers, and consumers, the report presents insights into the competitive landscape of the High Performance Grain Oriented Electrical steel market. This analysis helps understand market share, competitive advantages, and potential areas for differentiation among industry players.

Market Validation: The report involves validating findings and projections through primary research, such as surveys, interviews, and focus groups.

Market Segmentation

High Performance Grain Oriented Electrical steel 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.

Market segment by Type

High Magnetic Induction Oriented Electrical Steel

Ordinary Cold-rolled Grain-oriented Electrical Steel

Market segment by Application

Transformer

Rectifier

Motor

Reactor

Others

Major players covered

Thyssenkrupp

JFE Steel Corporation

Nippon Steel Corporation

NLMK Group

AK Steel Corporation (Cleveland-Cliffs Inc.)

Aperam S.A.

Arnold Magnetic Technologies

Posco International Corporation

Stalprodukt SA

Shougang Group

Baoshan Iron and Steel Co., Ltd.

Valin Steel

Wuhan Iron and Steel Corporation

Ansteel Group

Yinyi Group Co., Ltd.

Baotou Weifeng Rare Earth Electromagnetic Materials Co

Wuxi Huajing New Materials Co., Ltd.

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 High Performance Grain Oriented Electrical steel product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of High Performance Grain Oriented Electrical steel, with price, sales, revenue and global market share of High Performance Grain Oriented Electrical steel from 2018 to 2023.

Chapter 3, the High Performance Grain Oriented Electrical steel competitive situation, sales quantity, revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the High Performance Grain Oriented Electrical steel 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 High Performance Grain Oriented Electrical steel market forecast, by regions, type and application, with sales and revenue, from 2024 to 2029.

Chapter 12, market dynamics, drivers, restraints, trends and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of High Performance Grain Oriented Electrical steel.

Chapter 14 and 15, to describe High Performance Grain Oriented Electrical steel sales channel, distributors, customers, research findings and conclusion.

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