

# Global Grain Oriented Electrical Steel Sheet Supply, Demand and Key Producers, 2023-2029

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## Abstracts

The global Grain Oriented Electrical Steel Sheet market size is expected to reach \$ 10730 million by 2029, rising at a market growth of 3.1% CAGR during the forecast period (2023-2029).

Global key players of Grain Oriented Electrical Steel Sheet include Baoshan Iron & Steel, Nippon Steel, etc. The top two players hold a share over 37%.

Asia-Pacific is the largest market, has a share about 65%, followed by Europe and North America, with share 19% and 8%, separately.

In terms of product type, HGO is the largest segment, occupied for a share of 70%, and in terms of application, Transformer has a share about 97%.

Electrical steel is an alloy that contains iron and silicon. It can be manufactured by modifying the magnetic properties of steel for efficient magnetism and electricity conversion. Also called silicon steel, lamination steel, relay steel or transformer steel, this type of steel is very often used to build the cores of transformers as well as the stators of generators and motors. An electrical steel sheet is a functional material used as an iron core material for electrical equipment. There are two types of electrical steel: grain oriented electrical steel and non-grain oriented electrical steel, and they are used for different applications.

This report mainly focuses on grain oriented electrical steel sheet. Grain oriented electrical steel is composed of iron with 3 % Si content with grains oriented to deliver high permeability and low energy loss. Grain oriented electrical steels have strong crystallographic properties. Grain oriented type undergoes a recrystallization process

resulting in an enhanced grain structure which shows better magnetic properties in the rolling direction of the sheet. Grain oriented electrical steels are mostly used for transformers.

This report studies the global Grain Oriented Electrical Steel Sheet production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Grain Oriented Electrical Steel Sheet, 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 Grain Oriented Electrical Steel Sheet that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Grain Oriented Electrical Steel Sheet total production and demand, 2018-2029, (K Tons)

Global Grain Oriented Electrical Steel Sheet total production value, 2018-2029, (USD Million)

Global Grain Oriented Electrical Steel Sheet production by region & country, production, value, CAGR, 2018-2029, (USD Million) & (K Tons)

Global Grain Oriented Electrical Steel Sheet consumption by region & country, CAGR, 2018-2029 & (K Tons)

U.S. VS China: Grain Oriented Electrical Steel Sheet domestic production, consumption, key domestic manufacturers and share

Global Grain Oriented Electrical Steel Sheet production by manufacturer, production, price, value and market share 2018-2023, (USD Million) & (K Tons)

Global Grain Oriented Electrical Steel Sheet production by Type, production, value, CAGR, 2018-2029, (USD Million) & (K Tons)

Global Grain Oriented Electrical Steel Sheet production by Application production, value, CAGR, 2018-2029, (USD Million) & (K Tons).

This reports profiles key players in the global Grain Oriented Electrical Steel Sheet 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 Baoshan Iron & Steel Co., Ltd., Nippon Steel Corporation, NLMK Group, ThyssenKrupp AG, AK Steel Corporation (Cleveland-Cliffs Inc.), JFE Steel Corporation, Beijing Shougang Co., Ltd., Posco International Corporation and Chongqing Wangbian Electric (Group) Corp., Ltd., 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 Grain Oriented Electrical Steel Sheet market.

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (K Tons) and average price (US\$/Ton) 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 Grain Oriented Electrical Steel Sheet Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

## Global Grain Oriented Electrical Steel Sheet Market, Segmentation by Type

HGO

CGO

## Global Grain Oriented Electrical Steel Sheet Market, Segmentation by Application

Transformer

Others

## Companies Profiled:

Baoshan Iron & Steel Co., Ltd.

Nippon Steel Corporation

NLMK Group

ThyssenKrupp AG

AK Steel Corporation (Cleveland-Cliffs Inc.)

JFE Steel Corporation

Beijing Shougang Co., Ltd.

Posco International Corporation

Chongqing Wangbian Electric (Group) Corp., Ltd.

Stalprodukt S.A.

Baotou Weifeng Rare Earth Electromagnetic Material Co., Ltd.

Ningbo Yinyi Group Co., Ltd.

Aperam S.A.

Zhejiang Huaying New Material Technology Co., Ltd.

Wuxi Huajing New Materials Co., Ltd.

Jiangyin Huashi Huaxi Cold Rolled Strip Co., Ltd.

Jiangsu Beichen Hubang Electric Power Co., Ltd.

### Key Questions Answered

1. How big is the global Grain Oriented Electrical Steel Sheet market?
2. What is the demand of the global Grain Oriented Electrical Steel Sheet market?
3. What is the year over year growth of the global Grain Oriented Electrical Steel Sheet market?
4. What is the production and production value of the global Grain Oriented Electrical Steel Sheet market?
5. Who are the key producers in the global Grain Oriented Electrical Steel Sheet market?
6. What are the growth factors driving the market demand?

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