

# (COVID Version) Global Grain Oriented Electrical Steel Market Status (2016-2020) and Forecast (2021E-2026F) by Region, Product Type & End-Use

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### **Abstracts**

### SUMMARY

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. In this report we researched grain oriented electrical steel. Grain oriented electrical steels are iron-silicon magnetic alloys. These alloys are used to construct the cores of highly-efficient electric transformers due to their unique magnetic properties. Available in grades M-2, M-3, M-4, M-5 and M-6, with superior magnetic properties in the rolling direction, oriented steels are used in transformer cores. They are used in large generators and other apparatus when the design permits the directional magnetic characteristics to be used efficiently. Grain oriented electrical steel usually has a silicon level of 3%. It is processed in such a way that the optimal properties are developed in the rolling direction, due to a tight control (proposed by Norman P. Goss) of the crystal orientation relative to the sheet. Grain oriented electrical steels are usually applied in transformers, rectifiers and so on.

The report forecast global Grain Oriented Electrical Steel market to grow to reach xxx Million USD in 2020 with a CAGR of xx% during the period 2021E-2026F due to coronavirus situation.



The report offers detailed coverage of Grain Oriented Electrical Steel industry and main market trends with impact of coronavirus. The market research includes historical and forecast market data, demand, application details, price trends, and company shares of the leading Grain Oriented Electrical Steel by geography. The report splits the market size, by volume and value, on the basis of application type and geography.

First, this report covers the present status and the future prospects of the global Grain Oriented Electrical Steel market for 2016-2025.

And in this report, we analyze global market from 5 geographies: Asia-Pacific[China, Southeast Asia, India, Japan, Korea, Western Asia], Europe[Germany, UK, France, Italy, Russia, Spain, Netherlands, Turkey, Switzerland], North America[United States, Canada, Mexico], Middle East & Africa[GCC, North Africa, South Africa], South America[Brazil, Argentina, Columbia, Chile, Peru].

At the same time, we classify Grain Oriented Electrical Steel according to the type, application by geography. More importantly, the report includes major countries market based on the type and application.

Finally, the report provides detailed profile and data information analysis of leading Grain Oriented Electrical Steel company.

Key Content of Chapters as follows (Including and can be customized):

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	Europe[Germany, UK, France, Italy, Russia, Spain, Netherlands, Turkey Switzerland]	



North America[United States, Canada, Mexico]

Middle East & Africa[GCC, North Africa, South Africa]

South America[Brazil, Argentina, Columbia, Chile, Peru]

Key Companies		
NSSMC		
Posco		
JFE Steel		
NLMK Group		
ThyssenKrupp		
AK Steel		
Cogent(Tata Steel)		
ArcelorMittal		
Stalprodukt S.A.		
ATI		
WISCO		
Baosteel		
Shougang		
Ansteel		

### Market by Type



General		

High magnetic strength

Domain refinement

Market by Application

Spinner

The Immobilizer



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