

# Global Grain Oriented Electrical Steel Market Data Survey Report 2013-2025

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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 global Grain Oriented Electrical Steel market will reach xxx Million USD in 2019 with CAGR xx% 2019-2025. The main contents of the report including:

Global market size and forecast

Regional market size, production data and export & import

Key manufacturers profile, products & services, sales data of business

Global market size by Major Application  
Global market size by Major Type

Key manufacturers are included based on company profile, sales data and product specifications etc.:

NSSMC

Posco

JFE Steel

NLMK Group

ThyssenKrupp

AK Steel

Cogent(Tata Steel)

ArcelorMittal

Stalprodukt S.A.

ATI

WISCO

Baosteel

Shougang

Ansteel

Major applications as follows:

Spinner

## The Immobilizer

Major Type as follows:

General

High magnetic strength

Domain refinement

Regional market size, production data and export & import:

Asia-Pacific

North America

Europe

South America

Middle East & Africa

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