

Global Electrical Steel Market Size study & Forecast, by Product (Grain oriented electrical steel, Non-grain oriented electrical steel), by Application (Transformer, Motor, Inductor, Other) and Regional Analysis, 2023-2030

<https://marketpublishers.com/r/G19E19E4011DEN.html>

Date: October 2023

Pages: 200

Price: US\$ 4,950.00 (Single User License)

ID: G19E19E4011DEN

Abstracts

Global Electrical Steel Market is valued at approximately USD 25.89 billion in 2022 and is anticipated to grow with a healthy growth rate of more than 5.30% over the forecast period 2023-2030. Electrical steel, also known as silicon steel or transformer steel, is a specialized type of steel used in the production of electrical equipment. It is designed to have specific magnetic properties that make it ideal for use in devices and machinery that require efficient and controlled magnetic flux. Electrical steel is a specialized type of steel that is tailored for electrical applications, featuring high magnetic permeability and low energy losses. It plays a crucial role in the efficient and reliable operation of various electrical devices. The Electrical Steel market is expanding because of factors such as rising adoption of electric vehicles and increasing demand for electricity.

As the global population and industrialization continue to grow, there is an increasing demand for electricity in various sectors such as residential, commercial, and industrial. This drives the need for efficient electrical power generation, transmission, and distribution systems, where Electrical Steel plays a vital role. According to International European Agency, there has been a rise in electricity demand in the residential sector in the year 2018 the total electricity demand for the residential sector was 6 thousand TWh which increases to 7 thousand TWh in the year 2020 and it is expected to reach at 10 thousand TWh by year 2040. Furthermore, the growing interest in electric vehicles (EVs) has created a surge in demand for Electrical Steel used in the production of EV motors and transformers. Electrical Steel's unique magnetic properties are essential in enhancing motor efficiency and performance, which directly impacts the range and

overall efficiency of EVs. According to Statista, in the year 2019, the sales of electric vehicles stood at 2.22 million vehicles which increased to 10.25 million vehicle sales in the year 2022 and it is projected to reach 17.07 million electric vehicles sales by the year 2028. These, rising sales indicated the rising adoption and production of electric vehicles are driving the market growth. In addition, the rising electrification of industrial processes and integration of renewable energy plants and rising technological advancement are some factors creating new opportunities for market growth. However, the fluctuations in raw material prices stifle market growth throughout the forecast period of 2023-2030.

The key regions considered for the Global Electrical Steel Market study includes Asia Pacific, North America, Europe, Latin America, and Middle East & Africa. North America dominated the market in 2022 owing to factors such as rising investment in EV production activities, rising emphasis on power generation, rising demand for electric motors and industrial development activities in the region. Whereas, Asia Pacific is projected to have significant growth owing to factors such as the rising adoption of electrification technologies in industries, rising adoption of industrial automation, and rising development of various renewable energy plants in the region.

Major market player included in this report are:

ArcelorMittal S.A

POSCO

thyssenkrupp AG

JFE Steel Corporation

Cleveland-Cliffs Inc

NIPPON STEEL CORPORATION

China Steel Corporation

Tata Steel Limited

Baoshan Iron & Steel Co.,Ltd.

United States Steel Corporation

Recent Developments in the Market:

In May 2023, JFE Steel announced the extension of its initial electric steel sheet capacity as well as the addition of a second phase expansion. This expansion would upgrade to world-class technologies and cutting-edge steel products, lowering CO2 emissions and contributing to the sustainability of the globe.

In April 2023, Posco and Honda joined up to accelerate their journey by combining their respective strengths to become carbon neutral. Additionally, this alliance wants to work together in the fields of electric and environmental technologies in the future.

Global Electrical Steel Market Report Scope:

Historical Data – 2020 - 2021

Base Year for Estimation – 2022

Forecast period - 2023-2030

Report Coverage - Revenue forecast, Company Ranking, Competitive Landscape, Growth factors, and Trends

Segments Covered - Product, Application, Region

Regional Scope - North America; Europe; Asia Pacific; Latin America; Middle East & Africa

Customization Scope - Free report customization (equivalent up to 8 analyst's working hours) with purchase. Addition or alteration to country, regional & segment scope*

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values to the coming years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within countries

involved in the study.

The report also caters detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, it also incorporates potential opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and product offerings of key players. The detailed segments and sub-segment of the market are explained below:

By Product:

Grain oriented electrical steel

Non-grain oriented electrical steel

By Application:

Transformer

Motor

Inductor

Other

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

ROE

Asia Pacific

China

India

Japan

Australia

South Korea

RoAPAC

Latin America

Brazil

Mexico

Middle East & Africa

Saudi Arabia

South Africa

Rest of Middle East & Africa

Contents

CHAPTER 1. EXECUTIVE SUMMARY

- 1.1. Market Snapshot
- 1.2. Global & Segmental Market Estimates & Forecasts, 2020-2030 (USD Billion)
 - 1.2.1. Electrical Steel Market, by Region, 2020-2030 (USD Billion)
 - 1.2.2. Electrical Steel Market, by Product, 2020-2030 (USD Billion)
 - 1.2.3. Electrical Steel Market, by Application, 2020-2030 (USD Billion)
- 1.3. Key Trends
- 1.4. Estimation Methodology
- 1.5. Research Assumption

CHAPTER 2. GLOBAL ELECTRICAL STEEL MARKET DEFINITION AND SCOPE

- 2.1. Objective of the Study
- 2.2. Market Definition & Scope
 - 2.2.1. Industry Evolution
 - 2.2.2. Scope of the Study
- 2.3. Years Considered for the Study
- 2.4. Currency Conversion Rates

CHAPTER 3. GLOBAL ELECTRICAL STEEL MARKET DYNAMICS

- 3.1. Electrical Steel Market Impact Analysis (2020-2030)
 - 3.1.1. Market Drivers
 - 3.1.1.1. Rising adoption of electric vehicles
 - 3.1.1.2. Increasing development of electricity power owing to rising demand for electricity
 - 3.1.2. Market Challenges
 - 3.1.2.1. Fluctuations in raw material
 - 3.1.3. Market Opportunities
 - 3.1.3.1. Rising electrification of industrial processes
 - 3.1.3.2. Integration of renewable energy plants
 - 3.1.3.3. Rising technological advancement

CHAPTER 4. GLOBAL ELECTRICAL STEEL MARKET INDUSTRY ANALYSIS

- 4.1. Porter's 5 Force Model

- 4.1.1. Bargaining Power of Suppliers
- 4.1.2. Bargaining Power of Buyers
- 4.1.3. Threat of New Entrants
- 4.1.4. Threat of Substitutes
- 4.1.5. Competitive Rivalry
- 4.2. Porter's 5 Force Impact Analysis
- 4.3. PEST Analysis
 - 4.3.1. Political
 - 4.3.2. Economical
 - 4.3.3. Social
 - 4.3.4. Technological
 - 4.3.5. Environmental
 - 4.3.6. Legal
- 4.4. Top investment opportunity
- 4.5. Top winning strategies
- 4.6. COVID-19 Impact Analysis
- 4.7. Disruptive Trends
- 4.8. Industry Expert Perspective
- 4.9. Analyst Recommendation & Conclusion

CHAPTER 5. GLOBAL ELECTRICAL STEEL MARKET, BY PRODUCT

- 5.1. Market Snapshot
- 5.2. Global Electrical Steel Market by Product, Performance - Potential Analysis
- 5.3. Global Electrical Steel Market Estimates & Forecasts by Product 2020-2030 (USD Billion)
- 5.4. Electrical Steel Market, Sub Segment Analysis
 - 5.4.1. Grain oriented electrical steel
 - 5.4.2. Non-grain oriented electrical steel

CHAPTER 6. GLOBAL ELECTRICAL STEEL MARKET, BY APPLICATION

- 6.1. Market Snapshot
- 6.2. Global Electrical Steel Market by Application, Performance - Potential Analysis
- 6.3. Global Electrical Steel Market Estimates & Forecasts by Application 2020-2030 (USD Billion)
- 6.4. Electrical Steel Market, Sub Segment Analysis
 - 6.4.1. Transformer
 - 6.4.2. Motor

6.4.3. Inductor

6.4.4. Other

CHAPTER 7. GLOBAL ELECTRICAL STEEL MARKET, REGIONAL ANALYSIS

7.1. Top Leading Countries

7.2. Top Emerging Countries

7.3. Electrical Steel Market, Regional Market Snapshot

7.4. North America Electrical Steel Market

7.4.1. U.S. Electrical Steel Market

7.4.1.1. Product breakdown estimates & forecasts, 2020-2030

7.4.1.2. Application breakdown estimates & forecasts, 2020-2030

7.4.2. Canada Electrical Steel Market

7.5. Europe Electrical Steel Market Snapshot

7.5.1. U.K. Electrical Steel Market

7.5.2. Germany Electrical Steel Market

7.5.3. France Electrical Steel Market

7.5.4. Spain Electrical Steel Market

7.5.5. Italy Electrical Steel Market

7.5.6. Rest of Europe Electrical Steel Market

7.6. Asia-Pacific Electrical Steel Market Snapshot

7.6.1. China Electrical Steel Market

7.6.2. India Electrical Steel Market

7.6.3. Japan Electrical Steel Market

7.6.4. Australia Electrical Steel Market

7.6.5. South Korea Electrical Steel Market

7.6.6. Rest of Asia Pacific Electrical Steel Market

7.7. Latin America Electrical Steel Market Snapshot

7.7.1. Brazil Electrical Steel Market

7.7.2. Mexico Electrical Steel Market

7.8. Middle East & Africa Electrical Steel Market

7.8.1. Saudi Arabia Electrical Steel Market

7.8.2. South Africa Electrical Steel Market

7.8.3. Rest of Middle East & Africa Electrical Steel Market

CHAPTER 8. COMPETITIVE INTELLIGENCE

8.1. Key Company SWOT Analysis

8.1.1. Company

- 8.1.2. Company
- 8.1.3. Company
- 8.2. Top Market Strategies
- 8.3. Company Profiles
 - 8.3.1. ArcelorMittal S.A
 - 8.3.1.1. Key Information
 - 8.3.1.2. Overview
 - 8.3.1.3. Financial (Subject to Data Availability)
 - 8.3.1.4. Product Summary
 - 8.3.1.5. Recent Developments
 - 8.3.2. POSCO
 - 8.3.3. thyssenkrupp AG
 - 8.3.4. JFE Steel Corporation
 - 8.3.5. Cleveland-Cliffs Inc
 - 8.3.6. NIPPON STEEL CORPORATION
 - 8.3.7. China Steel Corporation
 - 8.3.8. Tata Steel Limited
 - 8.3.9. Baosteel Group
 - 8.3.10. United States Steel Corporation

CHAPTER 9. RESEARCH PROCESS

- 9.1. Research Process
 - 9.1.1. Data Mining
 - 9.1.2. Analysis
 - 9.1.3. Market Estimation
 - 9.1.4. Validation
 - 9.1.5. Publishing
- 9.2. Research Attributes
- 9.3. Research Assumption

List Of Tables

LIST OF TABLES

- TABLE 1. Global Electrical Steel Market, report scope
- TABLE 2. Global Electrical Steel Market estimates & forecasts by Region 2020-2030 (USD Billion)
- TABLE 3. Global Electrical Steel Market estimates & forecasts by Product 2020-2030 (USD Billion)
- TABLE 4. Global Electrical Steel Market estimates & forecasts by Application 2020-2030 (USD Billion)
- TABLE 5. Global Electrical Steel Market by segment, estimates & forecasts, 2020-2030 (USD Billion)
- TABLE 6. Global Electrical Steel Market by region, estimates & forecasts, 2020-2030 (USD Billion)
- TABLE 7. Global Electrical Steel Market by segment, estimates & forecasts, 2020-2030 (USD Billion)
- TABLE 8. Global Electrical Steel Market by region, estimates & forecasts, 2020-2030 (USD Billion)
- TABLE 9. Global Electrical Steel Market by segment, estimates & forecasts, 2020-2030 (USD Billion)
- TABLE 10. Global Electrical Steel Market by region, estimates & forecasts, 2020-2030 (USD Billion)
- TABLE 11. Global Electrical Steel Market by segment, estimates & forecasts, 2020-2030 (USD Billion)
- TABLE 12. Global Electrical Steel Market by region, estimates & forecasts, 2020-2030 (USD Billion)
- TABLE 13. Global Electrical Steel Market by segment, estimates & forecasts, 2020-2030 (USD Billion)
- TABLE 14. Global Electrical Steel Market by region, estimates & forecasts, 2020-2030 (USD Billion)
- TABLE 15. U.S. Electrical Steel Market estimates & forecasts, 2020-2030 (USD Billion)
- TABLE 16. U.S. Electrical Steel Market estimates & forecasts by segment 2020-2030 (USD Billion)
- TABLE 17. U.S. Electrical Steel Market estimates & forecasts by segment 2020-2030 (USD Billion)
- TABLE 18. Canada Electrical Steel Market estimates & forecasts, 2020-2030 (USD Billion)
- TABLE 19. Canada Electrical Steel Market estimates & forecasts by segment

2020-2030 (USD Billion)

TABLE 20. Canada Electrical Steel Market estimates & forecasts by segment

2020-2030 (USD Billion)

TABLE 21. UK Electrical Steel Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 22. UK Electrical Steel Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 23. UK Electrical Steel Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 24. Germany Electrical Steel Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 25. Germany Electrical Steel Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 26. Germany Electrical Steel Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 27. France Electrical Steel Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 28. France Electrical Steel Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 29. France Electrical Steel Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 30. Italy Electrical Steel Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 31. Italy Electrical Steel Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 32. Italy Electrical Steel Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 33. Spain Electrical Steel Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 34. Spain Electrical Steel Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 35. Spain Electrical Steel Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 36. RoE Electrical Steel Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 37. RoE Electrical Steel Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 38. RoE Electrical Steel Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 39. China Electrical Steel Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 40. China Electrical Steel Market estimates & forecasts by segment 2020-2030

(USD Billion)

TABLE 41. China Electrical Steel Market estimates & forecasts by segment 2020-2030

(USD Billion)

TABLE 42. India Electrical Steel Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 43. India Electrical Steel Market estimates & forecasts by segment 2020-2030

(USD Billion)

TABLE 44. India Electrical Steel Market estimates & forecasts by segment 2020-2030

(USD Billion)

TABLE 45. Japan Electrical Steel Market estimates & forecasts, 2020-2030 (USD

Billion)

TABLE 46. Japan Electrical Steel Market estimates & forecasts by segment 2020-2030

(USD Billion)

TABLE 47. Japan Electrical Steel Market estimates & forecasts by segment 2020-2030

(USD Billion)

TABLE 48. South Korea Electrical Steel Market estimates & forecasts, 2020-2030 (USD

Billion)

TABLE 49. South Korea Electrical Steel Market estimates & forecasts by segment

2020-2030 (USD Billion)

TABLE 50. South Korea Electrical Steel Market estimates & forecasts by segment

2020-2030 (USD Billion)

TABLE 51. Australia Electrical Steel Market estimates & forecasts, 2020-2030 (USD

Billion)

TABLE 52. Australia Electrical Steel Market estimates & forecasts by segment

2020-2030 (USD Billion)

TABLE 53. Australia Electrical Steel Market estimates & forecasts by segment

2020-2030 (USD Billion)

TABLE 54. RoAPAC Electrical Steel Market estimates & forecasts, 2020-2030 (USD

Billion)

TABLE 55. RoAPAC Electrical Steel Market estimates & forecasts by segment

2020-2030 (USD Billion)

TABLE 56. RoAPAC Electrical Steel Market estimates & forecasts by segment

2020-2030 (USD Billion)

TABLE 57. Brazil Electrical Steel Market estimates & forecasts, 2020-2030 (USD

Billion)

TABLE 58. Brazil Electrical Steel Market estimates & forecasts by segment 2020-2030

(USD Billion)

TABLE 59. Brazil Electrical Steel Market estimates & forecasts by segment 2020-2030

(USD Billion)

TABLE 60. Mexico Electrical Steel Market estimates & forecasts, 2020-2030 (USD

Billion)

TABLE 61. Mexico Electrical Steel Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 62. Mexico Electrical Steel Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 63. RoLA Electrical Steel Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 64. RoLA Electrical Steel Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 65. RoLA Electrical Steel Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 66. Saudi Arabia Electrical Steel Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 67. South Africa Electrical Steel Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 68. RoMEA Electrical Steel Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 69. List of secondary sources, used in the study of global Electrical Steel Market

TABLE 70. List of primary sources, used in the study of global Electrical Steel Market

TABLE 71. Years considered for the study

TABLE 72. Exchange rates considered

List of tables and figures and dummy in nature, final lists may vary in the final deliverable

List Of Figures

LIST OF FIGURES

- FIG 1. Global Electrical Steel Market, research methodology
 - FIG 2. Global Electrical Steel Market, Market estimation techniques
 - FIG 3. Global Market size estimates & forecast methods
 - FIG 4. Global Electrical Steel Market, key trends 2022
 - FIG 5. Global Electrical Steel Market, growth prospects 2023-2030
 - FIG 6. Global Electrical Steel Market, porters 5 force model
 - FIG 7. Global Electrical Steel Market, pest analysis
 - FIG 8. Global Electrical Steel Market, value chain analysis
 - FIG 9. Global Electrical Steel Market by segment, 2020 & 2030 (USD Billion)
 - FIG 10. Global Electrical Steel Market by segment, 2020 & 2030 (USD Billion)
 - FIG 11. Global Electrical Steel Market by segment, 2020 & 2030 (USD Billion)
 - FIG 12. Global Electrical Steel Market by segment, 2020 & 2030 (USD Billion)
 - FIG 13. Global Electrical Steel Market by segment, 2020 & 2030 (USD Billion)
 - FIG 14. Global Electrical Steel Market, regional snapshot 2020 & 2030
 - FIG 15. North America Electrical Steel Market 2020 & 2030 (USD Billion)
 - FIG 16. Europe Electrical Steel Market 2020 & 2030 (USD Billion)
 - FIG 17. Asia pacific Electrical Steel Market 2020 & 2030 (USD Billion)
 - FIG 18. Latin America Electrical Steel Market 2020 & 2030 (USD Billion)
 - FIG 19. Middle East & Africa Electrical Steel Market 2020 & 2030 (USD Billion)
- List of tables and figures and dummy in nature, final lists may vary in the final deliverable

I would like to order

Product name: Global Electrical Steel Market Size study & Forecast, by Product (Grain oriented electrical steel, Non-grain oriented electrical steel), by Application (Transformer, Motor, Inductor, Other) and Regional Analysis, 2023-2030

Product link: <https://marketpublishers.com/r/G19E19E4011DEN.html>

Price: US\$ 4,950.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/G19E19E4011DEN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:
Last name:
Email:
Company:
Address:
City:
Zip code:
Country:
Tel:
Fax:
Your message:

****All fields are required**

Customer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below

and fax the completed form to +44 20 7900 3970