

Soft Magnetic Materials Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2022-2027

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Abstracts

The global soft magnetic materials market reached a value of US\$ 27.6 Billion in 2021. Looking forward, IMARC Group expects the market to reach US\$ 43.8 Billion by 2027, exhibiting a CAGR of 8.3% during 2022-2027. Keeping in mind the uncertainties of COVID-19, we are continuously tracking and evaluating the direct as well as the indirect influence of the pandemic on different end use industries. These insights are included in the report as a major market contributor.

Soft magnetic materials are functional elements used to measure the magnetic field, electric current, displacement, and mechanical stress. They offer utmost permeability, slight coercive force, small hysteresis loss, remanent induction, and high saturation magnetization. They are utilized in the magnetic cores of transformers, inductors, motors, and generators worldwide. Some of the commonly used soft magnetic materials include pure iron, silicon iron alloys, and nickel-iron alloys.

Soft Magnetic Materials Market Trends:

Due to the growing global population, rapid infrastructural developments, and increasing manufacturing activities, the demand for soft magnetic materials in the energy and power industry is escalating around the world. Apart from this, there is a considerable increase in the application of these materials in the automotive industry across the globe. This can be accredited to the rising usage of high functional automotive components, such as the alternator, gearbox, induction coil, and antenna core. Soft magnetic materials are also increasingly being utilized in electric vehicles (EVs) on account of their benefits, such as compact design, low noise, and energy savings. As a result, the rising adoption of EVs around the world is catalyzing the demand for soft magnetic materials. Moreover, they are employed in the stators of brushless direct

current (DC) motors, switch reluctance motors, claw pole motors, steppers motors, transformers, and alternators. Furthermore, the market is driven by numerous innovations in the development of harvesting renewable energy and growing investments in the power distribution sector. Other major factors, including the coronavirus diseases (COVID-19) outbreak and a significant need for medical equipment like ventilators that are made up of motors, are anticipated to positively influence the market across the globe.

Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global soft magnetic materials market, along with forecasts at the global, regional and country level from 2022-2027. Our report has categorized the market based on material, application and end use.

Breakup by Material:

- Cobalt
- Iron
- Nickel
- Electric Steel
- Others

Breakup by Application:

- Motors
- Transformers
- Alternators
- Others

Breakup by End Use:

- Automotive
- Electrical and Electronics
- Telecommunication
- Energy and Power
- Others

Breakup by Region:

North America
United States
Canada
Asia-Pacific
China
Japan
India
South Korea
Australia
Indonesia
Others
Europe
Germany
France
United Kingdom
Italy
Spain
Russia
Others
Latin America
Brazil
Mexico
Others
Middle East and Africa

Competitive Landscape:

The competitive landscape of the industry has also been examined along with the profiles of the key players being Arnold Magnetic Technologies, Daido Steel Co. Ltd., GKN Sinter Metals Engineering GmbH, Hitachi Ltd., Mate Co. Ltd., Meyer Sintermetall AG, SG Technologies, Steward Advanced Materials, Sumitomo Metal Mining Co. Ltd., Toshiba Materials Co Ltd (Toshiba Corporation) and Vacuumschmelze GmbH & Co KG.

Key Questions Answered in This Report:

How has the global soft magnetic materials market performed so far and how will it perform in the coming years?

What has been the impact of COVID-19 on the global soft magnetic materials market?

What are the key regional markets?

What is the breakup of the market based on the material?

What is the breakup of the market based on the application?

What is the breakup of the market based on the end use?

What are the various stages in the value chain of the industry?

What are the key driving factors and challenges in the industry?

What is the structure of the global soft magnetic materials market and who are the key players?

What is the degree of competition in the industry?

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