

Global Soft Magnetic Materials Market - Forecasts from 2017 to 2022

<https://marketpublishers.com/r/GF452EE2669EN.html>

Date: February 2017

Pages: 81

Price: US\$ 3,600.00 (Single User License)

ID: GF452EE2669EN

Abstracts

Soft magnetic materials can get magnetised and demagnetised, and have inbuilt coercivity of less than 1000 Am⁻¹. They are utilized principally to upgrade as well as channel the flux delivered by an electric current. A perfect soft magnetic material would have zero coercivity, a huge immersion charge, zero hysteresis loss, and expansive/xr max and firi. Pure iron, though delicate, is ordinarily not utilized as a part of electric machines (with the exception of in a couple of particular relay-type applications) since its high conductivity permits expansive eddy streams to be induced under differing fields.

Soft magnetic materials are used for two types of applications AC and DC. In DC applications the material is charged with a specific end goal to play out an operation and after that demagnetised at the finish of the operation. In AC applications the material will be consistently cycled from being magnetised in one direction to the next, all through the time of operation. One of the major growth driver of soft magnetic materials market is increasing demand originating from the automotive industry. Moreover, use of such materials in electrical applications and utilisation of these in wind turbines for energy generation will also contribute to the market growth. On the other hand, the volatility in price of raw materials used in fabrication process of these materials may restrain the market growth over the forecast period.

Global Soft Magnetic Materials Market is projected to grow at a CAGR of 7.18% over the forecast period to reach US\$23.073 billion by 2021. Asia Pacific region will witness fastest growth on account of expansion of various end user industries such as electronics & telecommunications and automotive. Moreover, factors like rapid economic development and industrialization will also propel the demand for these materials over the next six years.

Research Methodology

Firstly, the report provides a brief introduction of the market and deals with detailed research methodology for calculating market size and forecasts, secondary data sources used and the primary inputs which were taken for data validation. This section also outlines various segmentations which have been covered as part of the report.

Market Dynamics

Next, the section provides comprehensive market dynamics through an overview section along with growth drivers, challenges, and opportunities which exist in the current market. This section of the report also provides supplier and industry outlook as a whole; key industry, global and regional regulations which are determining the market growth and a brief technological aspect of Soft Magnetic Materials. Complete industry analysis has also been covered by Porter's five forces model as a part of this report section.

Segmentation

Thirdly, Soft Magnetic Market has been segmented based on material type, application, end use industry and geography as follows:

By Material Type

Soft Ferrite

Cobalt

Electrical Steel

Others

By Application

Alternators

Transformers

Motors

Others

By End-Use Industry

Electrical and Electronics

Communication and Technology

Automotive

Others

By Geography

Americas

North America

South America

Europe Middle East and Africa

Europe

Middle East and Africa

Asia Pacific

Market Players

Finally, competitive intelligence section deals with major players in the market, their market shares, growth strategies, products, financials, and recent investments among others. Key industry players profiled as part of this section are GKN plc, SG Technologies and VACUUMSCHMELZE GmbH & Co. KG among others.

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