

Global Iron Cobalt Vanadium Soft Magnetic Alloy Supply, Demand and Key Producers, 2023-2029

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Abstracts

The global Iron Cobalt Vanadium Soft Magnetic Alloy market size is expected to reach \$ million by 2029, rising at a market growth of % CAGR during the forecast period (2023-2029).

Among the existing soft magnetic materials, iron-cobalt-vanadium soft-magnetic alloy has the highest saturation magnetic induction (2.4T), high Curie point (980°C), and the largest saturation magnetostriction coefficient (60?100?10⁻⁶). Due to the high saturation magnetic induction, when making a motor with the same power, the volume can be greatly reduced, and when it is used as an electromagnet, it can generate a large attraction force under the same cross-sectional area. Due to the high Curie point, the alloy can work at a higher temperature where other soft magnetic materials have been completely demagnetized, and maintain good magnetic stability. Due to its large magnetostriction coefficient, it is extremely suitable for use as a magnetostrictive transducer, with high output energy and high work efficiency. The alloy has a low resistivity (0.27??·m) and is not suitable for use at high frequencies. It is expensive, easy to oxidize, and has poor processability. Adding an appropriate amount of nickel or other elements can improve its processability.

This report studies the global Iron Cobalt Vanadium Soft Magnetic Alloy production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Iron Cobalt Vanadium Soft Magnetic Alloy, and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2022 as the base year. This report explores demand trends and competition, as well as details the characteristics of Iron Cobalt Vanadium Soft Magnetic Alloy that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Iron Cobalt Vanadium Soft Magnetic Alloy total production and demand, 2018-2029, (Tons)

Global Iron Cobalt Vanadium Soft Magnetic Alloy total production value, 2018-2029, (USD Million)

Global Iron Cobalt Vanadium Soft Magnetic Alloy production by region & country, production, value, CAGR, 2018-2029, (USD Million) & (Tons)

Global Iron Cobalt Vanadium Soft Magnetic Alloy consumption by region & country, CAGR, 2018-2029 & (Tons)

U.S. VS China: Iron Cobalt Vanadium Soft Magnetic Alloy domestic production, consumption, key domestic manufacturers and share

Global Iron Cobalt Vanadium Soft Magnetic Alloy production by manufacturer, production, price, value and market share 2018-2023, (USD Million) & (Tons)

Global Iron Cobalt Vanadium Soft Magnetic Alloy production by Type, production, value, CAGR, 2018-2029, (USD Million) & (Tons)

Global Iron Cobalt Vanadium Soft Magnetic Alloy production by Application production, value, CAGR, 2018-2029, (USD Million) & (Tons)

This reports profiles key players in the global Iron Cobalt Vanadium Soft Magnetic Alloy market based on the following parameters – company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include VACUUMSCHMELZE, Carpenter Technology Corporation, ShanghaiShuoye MetalMaterialCo., Ltd, ZhuoYi (Shanghai) Industrial Co.,Ltd, Xi'an Gangyan Special Alloy Co., Ltd, Shanghai Shengtong Metal Technology Co., Ltd and Suzhou A-one Special Alloy Co., Ltd, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals, COVID-19 and Russia-Ukraine War Influence.

Stakeholders would have ease in decision-making through various strategy matrices

used in analyzing the World Iron Cobalt Vanadium Soft Magnetic Alloy market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (Tons) and average price (US\$/Ton) by manufacturer, by Type, and by Application. Data is given for the years 2018-2029 by year with 2022 as the base year, 2023 as the estimate year, and 2024-2029 as the forecast year.

Global Iron Cobalt Vanadium Soft Magnetic Alloy Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Iron Cobalt Vanadium Soft Magnetic Alloy Market, Segmentation by Type

Cold Rolled Strip

Cold Drawn Wire

Global Iron Cobalt Vanadium Soft Magnetic Alloy Market, Segmentation by Application

Aerospace

Microelectronics

Others

Companies Profiled:

VACUUMSCHMELZE

Carpenter Technology Corporation

ShanghaiShuoye MetalMaterialCo., Ltd

ZhuoYi (Shanghai) Industrial Co.,Ltd

Xi'an Gangyan Special Alloy Co., Ltd

Shanghai Shengtong Metal Technology Co., Ltd

Suzhou A-one Special Alloy Co., Ltd

Key Questions Answered

1. How big is the global Iron Cobalt Vanadium Soft Magnetic Alloy market?
2. What is the demand of the global Iron Cobalt Vanadium Soft Magnetic Alloy market?
3. What is the year over year growth of the global Iron Cobalt Vanadium Soft Magnetic Alloy market?
4. What is the production and production value of the global Iron Cobalt Vanadium Soft Magnetic Alloy market?
5. Who are the key producers in the global Iron Cobalt Vanadium Soft Magnetic Alloy market?
6. What are the growth factors driving the market demand?

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