

# Global Superconducting Coil Supply, Demand and Key Producers, 2023-2029

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## Abstracts

The global Superconducting Coil market size is expected to reach \$ million by 2029, rising at a market growth of % CAGR during the forecast period (2023-2029).

The superconducting industry is a sector that focuses on the research, development, manufacturing, and application of superconducting materials and devices.

Superconductivity is a phenomenon in which certain materials exhibit zero electrical resistance and expel magnetic fields when cooled below a critical temperature. This unique property enables various applications across different fields.

A superconducting coil, also known as a superconducting magnet or supercoil, is a coil of wire made from a material that exhibits superconductivity. Superconductivity is a phenomenon where certain materials, when cooled below a critical temperature, can conduct electric current with zero resistance. This property allows superconducting coils to generate very strong magnetic fields.

Superconducting coils offer the advantage of generating strong magnetic fields with high efficiency and minimal energy loss. However, they require specialized cooling systems and are more expensive to produce compared to conventional copper coils. Nonetheless, their unique properties make them indispensable for many cutting-edge scientific and technological applications.

This report studies the global Superconducting Coil production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Superconducting Coil, 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 Superconducting Coil that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Superconducting Coil total production and demand, 2018-2029, (Meter)

Global Superconducting Coil total production value, 2018-2029, (USD Million)

Global Superconducting Coil production by region & country, production, value, CAGR, 2018-2029, (USD Million) & (Meter)

Global Superconducting Coil consumption by region & country, CAGR, 2018-2029 & (Meter)

U.S. VS China: Superconducting Coil domestic production, consumption, key domestic manufacturers and share

Global Superconducting Coil production by manufacturer, production, price, value and market share 2018-2023, (USD Million) & (Meter)

Global Superconducting Coil production by Type, production, value, CAGR, 2018-2029, (USD Million) & (Meter)

Global Superconducting Coil production by Application production, value, CAGR, 2018-2029, (USD Million) & (Meter).

This reports profiles key players in the global Superconducting Coil 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 American Superconductor Corporation (AMSC), Sumitomo Electric Industries, SuperPower Inc, Bruker Energy, ASG Superconductors, Hyper Tech Research, Hitachi, Fujikura and Southwire, 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 Superconducting Coil market.

#### Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (Meter) and average price (US\$/Meter) 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 Superconducting Coil Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

#### Global Superconducting Coil Market, Segmentation by Type

Toroidal Coils

Pancake Coils

Racetrack Coils

Insert Coils

## Global Superconducting Coil Market, Segmentation by Application

Energy Storage

Medical Devices

Particle Accelerators

High-Field Magnets

## Companies Profiled:

American Superconductor Corporation (AMSC)

Sumitomo Electric Industries

SuperPower Inc

Bruker Energy

ASG Superconductors

Hyper Tech Research

Hitachi

Fujikura

Southwire

Sam Dong

Supercon

Luvata

## Key Questions Answered

1. How big is the global Superconducting Coil market?
2. What is the demand of the global Superconducting Coil market?
3. What is the year over year growth of the global Superconducting Coil market?
4. What is the production and production value of the global Superconducting Coil market?
5. Who are the key producers in the global Superconducting Coil market?
6. What are the growth factors driving the market demand?

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