

Global Superconducting Magnets Market Size study, By Applications (Medical Devices, Nuclear, Television, Paper, Ceramics, and Maglev Trains) and Regional Forecasts 2020-2027

<https://marketpublishers.com/r/G73BFED08CD4EN.html>

Date: July 2020

Pages: 200

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

ID: G73BFED08CD4EN

Abstracts

Global Superconducting Magnets Market is valued approximately at USD XX million in 2019 and is anticipated to grow with a healthy growth rate of more than XX% over the forecast period 2020-2027. Superconducting magnets are magnets made of superconducting wire coils that provide promising and attractive analytical and economic advantages over electromagnets. These magnets can carry large amounts of magnetic currents without major energy losses due to their superconductivity and they also allow users to produce extremely high magnetic fields without kilowatts or megawatts of power supply needed for electromagnets and also provide higher magnetic fields and lower operating costs compared to electromagnets and permanent magnets. The global market for superconducting magnets is expected to see a gradual increase over the next few years. The growing demand from the market for medical devices is one of the key factors likely to stimulate market growth in the coming years. In addition, the increasing number of applications in the healthcare sector, such as magnetic resonance imaging, is expected to provide promising opportunities for market players operating in the global market for superconducting magnets in the near future. These magnets have also been extensively used in nuclear research. These magnets when coupled with nuclear magnetic resonance (NMR) are extremely beneficial for the treatment of cancer in certain vital organs. This aspect is estimated to further enhance the growth of the global market over the forecast period.

Nuclear industry has also seen rapid growth in the recent past and is expected to grow further over forecast period (2020-2027). These magnets are used to stabilize nuclear waste. This trend is expected to further boost the market growth of global superconducting magnets over the forecast period. Superconducting magnets also finds

various applications in pharmaceutical and television manufacturing industry. These magnets are used to sustain resonant frequencies that produce highly low, very high (VHF) and ultra-high (UHF) frequencies in television sets. This is expected to benefit the global market. Various manufacturers of superconducting magnets are adopting the strategy of product launch along with funding to increase the customer base and to extend the geographical outreach. For instance, in April 2019, Advanced Magnet Lab, Inc. (AML), one of the major player in the development of magnetic applications, has launched 'Perfect Field Magnets' (PFMs) for applications requiring highly consistent magnetic fields such as quantum computing, manufacturing, medical, research and more. Moreover, in September 2018, The National Science Foundation (NSF) has awarded USD 4.2 million to the National High Magnetic Field Laboratory to launch a research and development effort for the next generation of high-field superconducting magnets.

The regional analysis of global Superconducting Magnets market is considered for the key regions such as Asia Pacific, North America, Europe, Latin America and Rest of the World. In addition, North America is expected to grow significantly throughout the forecast period (2020-2027). The favorable growth of the semiconductor industry in this area and the increasing demand for superconductor magnets from a variety of industries are expected to lead to the development of the North American market in the coming years. Moreover, the high contribution from the United States is estimated to accelerate the growth of the market in the coming years.

Major market player included in this report are:

Agilent Technologies Inc.

Sumitomo Electric Industries Ltd.

American Magnetics Inc.

Siemens AG

General Electric Co.

Superconductors SpA.

Cryomagnetics Inc.

Oxford Instruments

Janis Research Company

Magnetica and Columbus Superconductors

ClickSoftware Technologies Ltd.

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 eight years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within each of the regions and countries involved in the study. Furthermore, the report also caters the detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, the report

shall also incorporate available 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 Application:

Medical Devices

Nuclear

Television

Paper

Ceramics

Maglev Trains

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

Rest of the World

Furthermore, years considered for the study are as follows:

Historical year – 2017, 2018

Base year – 2019

Forecast period – 2020 to 2027

Target Audience of the Global Superconducting Magnets Market in Market Study:

Key Consulting Companies & Advisors

Large, medium-sized, and small enterprises

Venture capitalists

Value-Added Resellers (VARs)

Third-party knowledge providers

Investment bankers

Investors

Contents

CHAPTER 1. EXECUTIVE SUMMARY

- 1.1. Market Snapshot
- 1.2. Global & Segmental Market Estimates & Forecasts, 2018-2027 (USD Billion)
 - 1.2.1. Superconducting Magnets Market, by Region, 2018-2027 (USD Billion)
 - 1.2.2. Superconducting Magnets Market, by Application, 2018-2027 (USD Billion)
- 1.3. Key Trends
- 1.4. Estimation Methodology
- 1.5. Research Assumption

CHAPTER 2. GLOBAL SUPERCONDUCTING MAGNETS MARKET DEFINITION AND SCOPE

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

CHAPTER 3. GLOBAL SUPERCONDUCTING MAGNETS MARKET DYNAMICS

- 3.1. Superconducting Magnets Market Impact Analysis (2018-2027)
 - 3.1.1. Market Drivers
 - 3.1.2. Market Challenges
 - 3.1.3. Market Opportunities

CHAPTER 4. GLOBAL SUPERCONDUCTING MAGNETS 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
 - 4.1.6. Futuristic Approach to Porter's 5 Force Model (2017-2027)

- 4.2. PEST Analysis
 - 4.2.1. Political
 - 4.2.2. Economical
 - 4.2.3. Social
 - 4.2.4. Technological
- 4.3. Investment Adoption Model
- 4.4. Analyst Recommendation & Conclusion

CHAPTER 5. GLOBAL SUPERCONDUCTING MAGNETS MARKET, BY APPLICATION

- 5.1. Market Snapshot
- 5.2. Global Superconducting Magnets Market by Application, Performance - Potential Analysis
- 5.3. Global Superconducting Magnets Market Estimates & Forecasts by Application 2017-2027 (USD Billion)
- 5.4. Superconducting Magnets Market, Sub Segment Analysis
 - 5.4.1. Medical Devices
 - 5.4.2. Nuclear
 - 5.4.3. Television
 - 5.4.4. Paper
 - 5.4.5. Ceramics
 - 5.4.6. Maglev Trains

CHAPTER 6. GLOBAL SUPERCONDUCTING MAGNETS MARKET, REGIONAL ANALYSIS

- 6.1. Superconducting Magnets Market, Regional Market Snapshot
- 6.2. North America Superconducting Magnets Market
 - 6.2.1. U.S. Superconducting Magnets Market
 - 6.2.1.1. Application breakdown estimates & forecasts, 2017-2027
 - 6.2.2. Canada Superconducting Magnets Market
- 6.3. Europe Superconducting Magnets Market Snapshot
 - 6.3.1. U.K. Superconducting Magnets Market
 - 6.3.2. Germany Superconducting Magnets Market
 - 6.3.3. France Superconducting Magnets Market
 - 6.3.4. Spain Superconducting Magnets Market
 - 6.3.5. Italy Superconducting Magnets Market
 - 6.3.6. Rest of Europe Superconducting Magnets Market

- 6.4. Asia-Pacific Superconducting Magnets Market Snapshot
 - 6.4.1. China Superconducting Magnets Market
 - 6.4.2. India Superconducting Magnets Market
 - 6.4.3. Japan Superconducting Magnets Market
 - 6.4.4. Australia Superconducting Magnets Market
 - 6.4.5. South Korea Superconducting Magnets Market
 - 6.4.6. Rest of Asia Pacific Superconducting Magnets Market
- 6.5. Latin America Superconducting Magnets Market Snapshot
 - 6.5.1. Brazil Superconducting Magnets Market
 - 6.5.2. Mexico Superconducting Magnets Market
- 6.6. Rest of The World Superconducting Magnets Market

CHAPTER 7. COMPETITIVE INTELLIGENCE

- 7.1. Top Market Strategies
- 7.2. Company Profiles
 - 7.2.1. Agilent Technologies Inc.
 - 7.2.1.1. Key Information
 - 7.2.1.2. Overview
 - 7.2.1.3. Financial (Subject to Data Availability)
 - 7.2.1.4. Product Summary
 - 7.2.1.5. Recent Developments
 - 7.2.2. Sumitomo Electric Industries Ltd.
 - 7.2.3. American Magnetism Inc.
 - 7.2.4. Siemens AG
 - 7.2.5. General Electric Co.
 - 7.2.6. Superconductors SpA.
 - 7.2.7. Cryomagnetism Inc.
 - 7.2.8. Oxford Instruments
 - 7.2.9. Janis Research Company
 - 7.2.10. Magnetica and Columbus Superconductors
 - 7.2.11. ClickSoftware Technologies Ltd.

CHAPTER 8. RESEARCH PROCESS

- 8.1. Research Process
 - 8.1.1. Data Mining
 - 8.1.2. Analysis
 - 8.1.3. Market Estimation

8.1.4. Validation

8.1.5. Publishing

8.2. Research Attributes

8.3. Research Assumption

List Of Tables

LIST OF TABLES

TABLE 1. GLOBAL SUPERCONDUCTING MAGNETS MARKET, REPORT SCOPE

TABLE 2. GLOBAL SUPERCONDUCTING MAGNETS MARKET ESTIMATES & FORECASTS BY REGION 2017-2027 (USD BILLION)

TABLE 3. GLOBAL SUPERCONDUCTING MAGNETS MARKET ESTIMATES & FORECASTS BY APPLICATION 2017-2027 (USD BILLION)

TABLE 4. GLOBAL SUPERCONDUCTING MAGNETS MARKET BY SEGMENT, ESTIMATES & FORECASTS, 2017-2027 (USD BILLION)

TABLE 5. GLOBAL SUPERCONDUCTING MAGNETS MARKET BY REGION, ESTIMATES & FORECASTS, 2017-2027 (USD BILLION)

TABLE 6. GLOBAL SUPERCONDUCTING MAGNETS MARKET BY SEGMENT, ESTIMATES & FORECASTS, 2017-2027 (USD BILLION)

TABLE 7. GLOBAL SUPERCONDUCTING MAGNETS MARKET BY REGION, ESTIMATES & FORECASTS, 2017-2027 (USD BILLION)

TABLE 8. GLOBAL SUPERCONDUCTING MAGNETS MARKET BY SEGMENT, ESTIMATES & FORECASTS, 2017-2027 (USD BILLION)

TABLE 9. GLOBAL SUPERCONDUCTING MAGNETS MARKET BY REGION, ESTIMATES & FORECASTS, 2017-2027 (USD BILLION)

TABLE 10. GLOBAL SUPERCONDUCTING MAGNETS MARKET BY SEGMENT, ESTIMATES & FORECASTS, 2017-2027 (USD BILLION)

TABLE 11. GLOBAL SUPERCONDUCTING MAGNETS MARKET BY REGION, ESTIMATES & FORECASTS, 2017-2027 (USD BILLION)

TABLE 12. GLOBAL SUPERCONDUCTING MAGNETS MARKET BY SEGMENT, ESTIMATES & FORECASTS, 2017-2027 (USD BILLION)

TABLE 13. GLOBAL SUPERCONDUCTING MAGNETS MARKET BY REGION, ESTIMATES & FORECASTS, 2017-2027 (USD BILLION)

TABLE 14. U.S. SUPERCONDUCTING MAGNETS MARKET ESTIMATES & FORECASTS, 2017-2027 (USD BILLION)

TABLE 15. U.S. SUPERCONDUCTING MAGNETS MARKET ESTIMATES & FORECASTS BY SEGMENT 2017-2027 (USD BILLION)

TABLE 16. U.S. SUPERCONDUCTING MAGNETS MARKET ESTIMATES & FORECASTS BY SEGMENT 2017-2027 (USD BILLION)

TABLE 17. CANADA SUPERCONDUCTING MAGNETS MARKET ESTIMATES & FORECASTS, 2017-2027 (USD BILLION)

TABLE 18. CANADA SUPERCONDUCTING MAGNETS MARKET ESTIMATES & FORECASTS BY SEGMENT 2017-2027 (USD BILLION)

TABLE 19. CANADA SUPERCONDUCTING MAGNETS MARKET ESTIMATES & FORECASTS BY SEGMENT 2017-2027 (USD BILLION)

TABLE 20. UK SUPERCONDUCTING MAGNETS MARKET ESTIMATES & FORECASTS, 2017-2027 (USD BILLION)

TABLE 21. UK SUPERCONDUCTING MAGNETS MARKET ESTIMATES & FORECASTS BY SEGMENT 2017-2027 (USD BILLION)

TABLE 22. UK SUPERCONDUCTING MAGNETS MARKET ESTIMATES & FORECASTS BY SEGMENT 2017-2027 (USD BILLION)

TABLE 23. GERMANY SUPERCONDUCTING MAGNETS MARKET ESTIMATES & FORECASTS, 2017-2027 (USD BILLION)

TABLE 24. GERMANY SUPERCONDUCTING MAGNETS MARKET ESTIMATES & FORECASTS BY SEGMENT 2017-2027 (USD BILLION)

TABLE 25. GERMANY SUPERCONDUCTING MAGNETS MARKET ESTIMATES & FORECASTS BY SEGMENT 2017-2027 (USD BILLION)

TABLE 26. ROE SUPERCONDUCTING MAGNETS MARKET ESTIMATES & FORECASTS, 2017-2027 (USD BILLION)

TABLE 27. ROE SUPERCONDUCTING MAGNETS MARKET ESTIMATES & FORECASTS BY SEGMENT 2017-2027 (USD BILLION)

TABLE 28. ROE SUPERCONDUCTING MAGNETS MARKET ESTIMATES & FORECASTS BY SEGMENT 2017-2027 (USD BILLION)

TABLE 29. CHINA SUPERCONDUCTING MAGNETS MARKET ESTIMATES & FORECASTS, 2017-2027 (USD BILLION)

TABLE 30. CHINA SUPERCONDUCTING MAGNETS MARKET ESTIMATES & FORECASTS BY SEGMENT 2017-2027 (USD BILLION)

TABLE 31. CHINA SUPERCONDUCTING MAGNETS MARKET ESTIMATES & FORECASTS BY SEGMENT 2017-2027 (USD BILLION)

TABLE 32. INDIA SUPERCONDUCTING MAGNETS MARKET ESTIMATES & FORECASTS, 2017-2027 (USD BILLION)

TABLE 33. INDIA SUPERCONDUCTING MAGNETS MARKET ESTIMATES & FORECASTS BY SEGMENT 2017-2027 (USD BILLION)

TABLE 34. INDIA SUPERCONDUCTING MAGNETS MARKET ESTIMATES & FORECASTS BY SEGMENT 2017-2027 (USD BILLION)

TABLE 35. JAPAN SUPERCONDUCTING MAGNETS MARKET ESTIMATES & FORECASTS, 2017-2027 (USD BILLION)

TABLE 36. JAPAN SUPERCONDUCTING MAGNETS MARKET ESTIMATES & FORECASTS BY SEGMENT 2017-2027 (USD BILLION)

TABLE 37. JAPAN SUPERCONDUCTING MAGNETS MARKET ESTIMATES & FORECASTS BY SEGMENT 2017-2027 (USD BILLION)

TABLE 38. ROAPAC SUPERCONDUCTING MAGNETS MARKET ESTIMATES &

FORECASTS, 2017-2027 (USD BILLION)

TABLE 39. ROAPAC SUPERCONDUCTING MAGNETS MARKET ESTIMATES & FORECASTS BY SEGMENT 2017-2027 (USD BILLION)

TABLE 40. ROAPAC SUPERCONDUCTING MAGNETS MARKET ESTIMATES & FORECASTS BY SEGMENT 2017-2027 (USD BILLION)

TABLE 41. BRAZIL SUPERCONDUCTING MAGNETS MARKET ESTIMATES & FORECASTS, 2017-2027 (USD BILLION)

TABLE 42. BRAZIL SUPERCONDUCTING MAGNETS MARKET ESTIMATES & FORECASTS BY SEGMENT 2017-2027 (USD BILLION)

TABLE 43. BRAZIL SUPERCONDUCTING MAGNETS MARKET ESTIMATES & FORECASTS BY SEGMENT 2017-2027 (USD BILLION)

TABLE 44. MEXICO SUPERCONDUCTING MAGNETS MARKET ESTIMATES & FORECASTS, 2017-2027 (USD BILLION)

TABLE 45. MEXICO SUPERCONDUCTING MAGNETS MARKET ESTIMATES & FORECASTS BY SEGMENT 2017-2027 (USD BILLION)

TABLE 46. MEXICO SUPERCONDUCTING MAGNETS MARKET ESTIMATES & FORECASTS BY SEGMENT 2017-2027 (USD BILLION)

TABLE 47. ROLA SUPERCONDUCTING MAGNETS MARKET ESTIMATES & FORECASTS, 2017-2027 (USD BILLION)

TABLE 48. ROLA SUPERCONDUCTING MAGNETS MARKET ESTIMATES & FORECASTS BY SEGMENT 2017-2027 (USD BILLION)

TABLE 49. ROLA SUPERCONDUCTING MAGNETS MARKET ESTIMATES & FORECASTS BY SEGMENT 2017-2027 (USD BILLION)

TABLE 50. ROW SUPERCONDUCTING MAGNETS MARKET ESTIMATES & FORECASTS, 2017-2027 (USD BILLION)

TABLE 51. ROW SUPERCONDUCTING MAGNETS MARKET ESTIMATES & FORECASTS BY SEGMENT 2017-2027 (USD BILLION)

TABLE 52. ROW SUPERCONDUCTING MAGNETS MARKET ESTIMATES & FORECASTS BY SEGMENT 2017-2027 (USD BILLION)

TABLE 53. LIST OF SECONDARY SOURCES, USED IN THE STUDY OF GLOBAL SUPERCONDUCTING MAGNETS MARKET

TABLE 54. LIST OF PRIMARY SOURCES, USED IN THE STUDY OF GLOBAL SUPERCONDUCTING MAGNETS MARKET

TABLE 55. YEARS CONSIDERED FOR THE STUDY

TABLE 56. EXCHANGE RATES CONSIDERED

List Of Figures

LIST OF FIGURES

- FIG 1. GLOBAL SUPERCONDUCTING MAGNETS MARKET, RESEARCH METHODOLOGY
- FIG 2. GLOBAL SUPERCONDUCTING MAGNETS MARKET, MARKET ESTIMATION TECHNIQUES
- FIG 3. GLOBAL MARKET SIZE ESTIMATES & FORECAST METHODS
- FIG 4. GLOBAL SUPERCONDUCTING MAGNETS MARKET, KEY TRENDS 2019
- FIG 5. GLOBAL SUPERCONDUCTING MAGNETS MARKET, GROWTH PROSPECTS 2020-2027
- FIG 6. GLOBAL SUPERCONDUCTING MAGNETS MARKET, PORTERS 5 FORCE MODEL
- FIG 7. GLOBAL SUPERCONDUCTING MAGNETS MARKET, PEST ANALYSIS
- FIG 8. GLOBAL SUPERCONDUCTING MAGNETS MARKET, VALUE CHAIN ANALYSIS
- FIG 9. GLOBAL SUPERCONDUCTING MAGNETS MARKET BY SEGMENT, 2017 & 2027 (USD BILLION)
- FIG 10. GLOBAL SUPERCONDUCTING MAGNETS MARKET BY SEGMENT, 2017 & 2027 (USD BILLION)
- FIG 11. GLOBAL SUPERCONDUCTING MAGNETS MARKET BY SEGMENT, 2017 & 2027 (USD BILLION)
- FIG 12. GLOBAL SUPERCONDUCTING MAGNETS MARKET BY SEGMENT, 2017 & 2027 (USD BILLION)
- FIG 13. GLOBAL SUPERCONDUCTING MAGNETS MARKET BY SEGMENT, 2017 & 2027 (USD BILLION)
- FIG 14. GLOBAL SUPERCONDUCTING MAGNETS MARKET, REGIONAL SNAPSHOT 2017 & 2027
- FIG 15. NORTH AMERICA SUPERCONDUCTING MAGNETS MARKET 2017 & 2027 (USD BILLION)
- FIG 16. EUROPE SUPERCONDUCTING MAGNETS MARKET 2017 & 2027 (USD BILLION)
- FIG 17. ASIA PACIFIC SUPERCONDUCTING MAGNETS MARKET 2017 & 2027 (USD BILLION)
- FIG 18. LATIN AMERICA SUPERCONDUCTING MAGNETS MARKET 2017 & 2027 (USD BILLION)
- FIG 19. GLOBAL SUPERCONDUCTING MAGNETS MARKET, COMPANY MARKET SHARE ANALYSIS (2019)

COMPANIES MENTIONED

Agilent Technologies Inc.
Sumitomo Electric Industries Ltd.
American Magnetics Inc.
Siemens AG
General Electric Co.
Superconductors SpA.
Cryomagnetics Inc.
Oxford Instruments
Janis Research Company
Magnetica and Columbus Superconductors
ClickSoftware Technologies Ltd.

I would like to order

Product name: Global Superconducting Magnets Market Size study, By Applications (Medical Devices, Nuclear, Television, Paper, Ceramics, and Maglev Trains) and Regional Forecasts 2020-2027

Product link: <https://marketpublishers.com/r/G73BFED08CD4EN.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/G73BFED08CD4EN.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