

Superconductors: Global Markets

Market Research Report | 2025-07-15 | 107 pages | BCC Research

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Report description:

Description

Report Scope

This report provides an overview of the global superconductors market and analyzes market trends. It provides global revenue (in \$ millions) for segments and regions, considering 2024 as the base year, with estimated market data for 2025 through 2030. The market is analyzed based on type, material, application and region. Geographical segments covered are North America (the U.S., Canada, Mexico), Europe (the U.K., Germany, France, Rest of Europe), Asia-Pacific (China, Japan, South Korea, Rest of Asia-Pacific) and the Rest of the World (South America, Middle East and Africa). The report also focuses on emerging technologies and the vendor landscape. It concludes with profiles of the major players in the market.

Report Includes

- 40 data tables and 48 additional tables
- Analyses of global market trends for superconductors, with revenue data from 2024, estimates for 2025, forecasts for 2026, 2028 and projected CAGRs through 2030
- Estimates of the size and revenue prospects for the global superconductors market, along with a market share analysis based on superconductor type, application, material type, and region
- Facts and figures pertaining to the market dynamics, technological advances, regulations and the impact of macroeconomic factors
- Insights derived from Porter's Five Forces model, industry value chain, PESTLE analyses and case studies
- Patent review and new developments relating to low-temperature superconducting (LTS) and high-temperature superconducting (HTS) applications
- Overview of sustainability trends and ESG developments, with emphasis on consumer attitudes, and the ESG scores and practices of the leading companies
- Analysis of the industry structure, including companies' market shares and rankings, strategic alliances, M&A activity and a venture funding outlook

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- Profiles of the leading companies, including Faraday Factory Japan, Shanghai Superconductors, Fujikura, American Superconductors, and Sumitomo Electric.

Executive Summary

Summary:

The global market for superconductors is expected to grow from \$9.4 billion in 2025 and is projected to reach \$16.4 billion by the end of 2030, at a compound annual growth rate (CAGR) of 11.8% during the forecast period of 2025 to 2030.

A superconductor is a material that can conduct electricity with zero electrical resistance when cooled below a certain temperature. The superconductor market is driven by rising demand for magnetic resonance imaging (MRI) and increasing investment toward maglev train and nuclear fusion projects worldwide. Due to the high level of technological advances, government investment in superconducting-related projects, and a prominent superconducting eco-system, North America dominates the global market, led by the U.S.

The market for superconductors is seeing more cooperation between government research centers and industry participants to overcome the technical hurdles associated with manufacturing complexity and cooling, which have historically constrained the mass use of superconductors.

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FURUKAWA ELECTRIC CO. LTD.
HYPRES INC.
LS CABLE & SYSTEM LTD.
LUVATA
METOX INTERNATIONAL
NEXANS
SHANGHAI SUPERCONDUCTOR TECHNOLOGY CO. LTD.
SUMITOMO ELECTRIC INDUSTRIES LTD.
SUNAM CO. LTD.
SUPERPOWER INC.
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