

The Insight Partners: Superconductors Market Size to Reach \$8.56 Bn, Globally, by 2028

The superconductors market share to grow at a CAGR of 8.4% from 2022 to 2028.

NEW YORK, UNITED STATES, December 14, 2022 /EINPresswire.com/ -- Superconducting processors may become an important component of the next generation of supercomputers. For starters, they could assist in overcoming the major issue of scaling up quantum computers. Second, they might significantly improve the performance of classic supercomputers while drastically reducing their power usage. A multidisciplinary research initiative will address one of the primary obstacles of this approach, data transport to and from low temperatures required for superconductivity.

This disadvantage becomes a benefit when utilized in conjunction with superconducting quantum computers. Additionally, the extremely high-power consumption of CPUs and GPUs due to energy dissipation in silicon chips is a major restriction of supercomputers. In GPUs, replacing silicon chips with superconducting SFQ chips could significantly influence performance and power consumption. Thus, the increase in superconducting chips to scale up quantum computers and supercomputers is driving the [superconductors market](#).

Get Sample PDF Copy at <https://www.theinsightpartners.com/sample/TIPRE00004630>

Strategic Insights:

Players operating in the superconductors market mainly focus on developing advanced and efficient products.

In 2022, Cryomagnetics designed and produced the six 5 Tesla recondensing magnets that comprise the Differential Pumping Section (DPS), as well as the "Pinch" and "Detector" magnets for this groundbreaking experiment.

In 2021, Hitachi, Ltd. has developed a 1.1-m-diameter magnesium diboride (MgB₂) superconducting magnet that can rapidly generate a magnetic field space as required for magnetic resonance imaging (MRI) examinations and has demonstrated that MRI imaging of the head region can begin in 10 minutes from a zero-field state, compared to 1 to 2 hours using conventional equipment.

Impact of COVID-19 Pandemic on Superconductors Market

The manufacturing sector experienced noticeable losses due to temporary factory shutdowns and low production volumes, which hindered superconductors market growth. Moreover, the social or physical distancing measures had put limitations on the operations of logistics and other service providers. Manufacturing component shortages of niobium-titanium, germanium–niobium, and niobium nitride in quarantine mandates and travel restrictions were key restraints in producing superconductors. Further, the US is the world's largest producer of superconductor products and one of the largest consumers of superconductors. However, the country experienced strict government regulations in the mid of 2020 due to COVID-19 safety measures, which resulted in considerable disruption in the manufacturing and supply chain of superconductors. Due to this, superconductor manufacturing companies faced revenue losses and slow growth. Despite of COVID-19 impact, North America held the largest superconductors market share globally.

Bruker Corporation; Furukawa Electric Co. Ltd.; American Superconductor Corporation; Sumitomo Electric Industries, Ltd.; and Hitachi Ltd. are a few key superconductors market players. In addition, several other important superconductors market players were studied and analyzed during this study to get a holistic view of the global superconductors market and its ecosystem.

Buy Complete Report at <https://www.theinsightpartners.com/buy/TIPRE00004630>

About Us:

The Insight Partners is a one stop industry research provider of actionable intelligence. We help our clients in getting solutions to their research requirements through our syndicated and consulting research services. We specialize in industries such as Semiconductor and Electronics, Aerospace and Defense, Automotive and Transportation, Biotechnology, Healthcare IT, Manufacturing and Construction, Medical Device, Technology, Media and Telecommunications, Chemicals and Materials.

Contact Us:

If you have any queries about this report or if you would like further information, please contact us:

Contact Person: Sameer Joshi

E-mail: sales@theinsightpartners.com

Phone: +1-646-491-9876

Press Release: <https://www.theinsightpartners.com/pr/superconductors-market>

Sameer Joshi

The Insight Partners

+91 96661 11581

[email us here](#)

Visit us on social media:

[Facebook](#)

[Twitter](#)

[LinkedIn](#)

This press release can be viewed online at: <https://www.einpresswire.com/article/606280673>

EIN Presswire's priority is source transparency. We do not allow opaque clients, and our editors try to be careful about weeding out false and misleading content. As a user, if you see something we have missed, please do bring it to our attention. Your help is welcome. EIN Presswire, Everyone's Internet News Presswire™, tries to define some of the boundaries that are reasonable in today's world. Please see our Editorial Guidelines for more information.

© 1995-2022 Newsmatics Inc. All Right Reserved.