About Bruker

Bruker EAS is a member of a large group of Bruker companies. Bruker analytical systems cover a broad spectrum of applications in fields of research and development and are used in industrial production processes for the purpose of ensuring quality and process reliability. Bruker continues to build on its extensive range of products and solutions, its broad base of installed systems and a strong reputation among its customers. Being one of the world’s leading analytical instrumentation companies, Bruker is strongly committed to further fully meet its customers’ needs as well as to continue to develop state-of-the-art technologies and innovative solutions for today’s analytical questions. Worldwide more than 6,000 employees are working on this permanent challenge in over 40 countries on all continents.
Established in 1962 in Hanau, Germany, Bruker EAS is a leading global provider of superconductor products. Our product portfolio includes high performance and high quality NbTi and NbSn superconductors, which enable customers around the world to build leading edge life-care solutions and cleantech products, as well as to conduct fundamental research, such as the search for the origins of the universe and sustainable clean energies.

Bruker EAS is also a leading innovator in the industry, based on highly motivated and interdisciplinary teams with a strong focus on research and development. We offer and develop an unique range of superconductor technologies, which help to continuously advance the performance of our customers’ products for life-improving solutions in healthcare, analysis, industry and research. Our company has significantly expanded its production in recent years, which is a testimony of the success of our customer-focused values and philosophy.

What we do

We are one of the world’s pioneering superconductor companies. Superconductors can carry up to 100 times the current of conventional copper at very low temperatures. In addition, superconductors have virtually zero electrical resistance, which makes them ideal for electrical systems that require ultra-high stability and low energy consumption, such as high field magnets. Bruker EAS is committed to uncompromising product performance, quality, and delivery reliability. Our NbTi and NbSn superconductor products are used globally in MRI, NMR (Nuclear Magnetic Resonance Spectroscopy), and large scale research. Customers use Bruker EAS products to extend technological limits and rely on our expertise in tailoring superconductors precisely to demanding requirements. In addition, Bruker EAS performs research to investigate the technological and commercial potential of new superconductors, which may broaden the use of energy saving superconductors in the future.

Applications

NbTi-based superconductors are by far the most widely used and produced superconductors today. They offer reliable and very high performance at excellent economics and meet the requirements of most applications around the world.

EAS provides a wide range of custom NbSn Bronze and PIT (Powder in Tube) conductors that are developed and built in close cooperation with the customers, based on very specific requirements.

MRI is the most versatile diagnostic imaging modality available today and, with over 30,000 MRI systems installed, the largest market for superconductors in the world.

Today, Bruker NbSn superconductors are used in research magnets as well as NMR and FTMS systems ranging from 500MHz up to the current world record 1000MHz system, which corresponds to 23.5 Tesla.

Mission

With over 50 years of experience in superconductivity, it is our mission to be the world’s premier supplier of superconductor products. Based on our proven values of providing superior flexibility, reliability and quality standards, we support our customers and partners with state of the art superconductors today, while our research and development teams continuously improve our superconductors to expand the horizon of fundamental research, fuel energy efficient technologies, and enable evermore advanced life-enhancing techniques in healthcare and medical research.