

Europe Deep Brain Simulation Market Forecast to 2030 - Regional Analysis - by Product (Single Channel Deep Brain Stimulator, Dual Channel Deep Brain Stimulator, and Software and Accessories), Application (Parkinson's Disease, Tremor, Dystonia, Epilepsy, Alzheimer's Disease, and Others), and End User (Hospitals, Neurology Clinics, Ambulatory Surgical Centers, and Others)

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Abstracts

The Europe deep brain simulation market is expected to grow from US\$ 169.14 million in 2022 to US\$ 319.88 million by 2030. It is estimated to grow at a CAGR of 8.3% from 2022 to 2030.

Increasing Demand for Minimally Invasive Surgery Drive Europe Deep Brain Simulation Market

Deep brain stimulation is a minimally invasive targeted surgery used to treat movement disorders in dystonia, Parkinson's disease, and essential tremor. Minimally invasive surgeries (MIS) offer several advantages over traditional surgical techniques. MIS minimizes trauma to the body, reduces postoperative pain, increases recovery speed, and improves outcomes. Robotic procedures represent the latest evolution in minimally invasive procedures, providing surgeons with precision equipment that uses the same small incisions used in traditional laparoscopy. MIS leads to less blood loss, less analgesic use, and shorter postoperative hospital stay than open surgery. In addition, minimally invasive surgery indicates a higher accuracy rate than traditional surgical methods. Also, these procedures require tiny incisions large enough to insert thin tubes

and cameras. These benefits of MIS are increasing inpatients and have encouraged older patients who face high operative morbidity and mortality to seek surgery. Thus, the rising demand for minimally invasive surgeries due to their advantages bolsters the Europe deep brain stimulation (DBS) market growth.

Europe Deep Brain Simulation Market Overview

In the medical field, neurosurgery requires advanced equipment and highly qualified medical professionals. German neurosurgeons are highly qualified specialists; they follow the latest protocols and surgical procedures. Neurology centers in Germany have the most modern diagnostic and minimally invasive surgical devices that meet international quality standards. According to a study published at Charit?—Universit?tsmedizin Berlin entitled “Deep brain stimulation in Parkinson's: A new algorithm to adjust stimulation settings has been developed,” Parkinson's disease is the second most common neurodegenerative disease after Alzheimer's. Approximately 400,000 people were affected with the disease in Germany in December 2022, and the numbers are increasing due to demographic aging. More and more people, including younger people, suffer from neurodegenerative diseases; in Germany, more than 2 million people have dementia or Parkinson's. According to the German Association for Alzheimer's Patients, in 2020, 9,450 people died from Alzheimer's, recording the highest figure. The increase in hospitalizations and deaths with Alzheimer's diagnosis is highly dependent on the aging population in Germany. People aged 65 and above increased by ~33% between and reached 18.3 million in 2020. Therefore, the aging population results in growing neurological disorders, which is expected to boost the market growth in the coming years.

Europe Deep Brain Simulation Market Revenue and Forecast to 2030 (US\$ Million)

Europe Deep Brain Simulation Market Segmentation

The Europe deep brain simulation market is segmented into product, application, end user, and country.

Based on product, the Europe deep brain simulation market is segmented into single channel deep brain stimulator, dual channel deep brain stimulator, and software and accessories. In 2022, the dual channel deep brain stimulator segment registered the largest share in the Europe deep brain simulation market.

Based on application, the Europe deep brain simulation market is segmented into

Parkinson's disease, tremor, dystonia, epilepsy, Alzheimer's disease, and others. In 2022, the Parkinson's disease segment registered the largest share in the Europe deep brain simulation market.

Based on end user, the Europe deep brain simulation market is segmented into hospitals, neurology clinics, ambulatory surgical centers, and others. In 2022, the hospitals segment registered the largest share in the Europe deep brain simulation market.

Based on country, the Europe deep brain simulation market is segmented into Germany, the UK, France, Italy, Spain, and the Rest of Europe. In 2022, Germany segment registered the largest share in the Europe deep brain simulation market.

Abbott Laboratories, Aleva Neurotherapeutics SA, Boston Scientific Corp, Medtronic Plc, and Newronika SpA are some of the leading companies operating in the Europe deep brain simulation market.

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