

Brain Machine Interfaces 2019 Global Market Demand, Growth Opportunities and Top Key Players Analysis Report

Wiseguyreports.Com Publish Market Research Report On -"Brain Machine Interfaces Market - Global Analysis, Size, Share, Trends, Growth and Forecast 2019 - 2025"

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Brain Machine Interfaces Market 2019

A brain-computer interface, sometimes called a neural-control interface, mind-machine interface, direct neural interface, or brain-machine interface, is a direct communication pathway between an enhanced or wired brain and an external device.

A brain computer interface (BCI) is a revolutionary system that facilitates a direct communication pathway between a functional brain and peripheral electronic devices that are used to calibrate the movement in physically challenged individuals. A brain computer interface system records the brain signal from the surface of the cortex, through signaling devices implanted within the brain or from the sensors placed over the scalp.

These signals are then transmitted to the connected peripheral device that enables the operator to perform numerous tasks. With the help of a brain computer interface system, the paralyzed and handicapped individuals can overcome their physical challenges and perform various day-to-day tasks. The primary function of a brain computer interface device is to intercept the electrical signals that pass between the neurons and transmit them to an external device. Brain computer interface (BCI) is also referred to as a brain machine interface (BMI), direct neural interface (DNI), or mind machine interface (MMI).

Numerous technological developments in the field of computation, human sensing, along with the application of brain computer interface technology for entertainment, gaming, communication, and control, are some of the major factors that drive the growth of the brain computer interface market size. Intensive research carried out to develop a cure for paralyzing brain disorders and injuries is likely to boost the brain computer interface market. However, the ethical problem faced during the research, i.e. use of brain computer interface on patients whose informed consent cannot be obtained, can act as a restraint for the brain computer interface industry.

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The key players covered in this study

Nihon Kohden Corporation

Mind Solutions Inc.

Advanced Brain Monitoring, Inc.

Quantum Applied Science and Research, Inc.

Cadwell Laboratories Inc.

OpenBCI

Cortech Solutions, Inc.

NeuroSky, Inc.

Emotiv, Inc.

Guger Technologies OEG

Market analysis by product type

Invasive

Non-invasive

Partially invasive

Market analysis by market

Communication and control

Gaming and entertainment

Smart home control

Others

Market analysis by Region

United States

Europe

China

Japan

Southeast Asia

India

Central & South America

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