

Neuroprosthetics Market Size, Trends, Analysis, and Outlook By Type (Output Neural Prosthetics, Input Neural Prosthetics), By Technique (Spinal Cord Stimulation, Deep Brain Stimulation, Vagus Nerve Stimulation, Others), By Application (Parkinson's Disease, Alzheimer's Disease, Epilepsy, Auditory Processing Disorders, Ophthalmic Disorders, Others), by Country, Segment, and Companies, 2024-2032

<https://marketpublishers.com/r/N69EC24BD666EN.html>

Date: April 2024

Pages: 205

Price: US\$ 3,980.00 (Single User License)

ID: N69EC24BD666EN

Abstracts

The global Neuroprosthetics market size is poised to register 11.7% growth from 2024 to 2032, presenting significant growth prospects for companies operating in the industry. The industry study analyzes the global Neuroprosthetics market across By Type (Output Neural Prosthetics, Input Neural Prosthetics), By Technique (Spinal Cord Stimulation, Deep Brain Stimulation, Vagus Nerve Stimulation, Others), By Application (Parkinson's Disease, Alzheimer's Disease, Epilepsy, Auditory Processing Disorders, Ophthalmic Disorders, Others)

The future of the neuroprosthetics market is influenced by technological advancements, increasing prevalence of neurological disorders, and growing demand for innovative solutions to restore lost neurological function. Neuroprosthetics are implantable devices that interface with the nervous system to restore sensory or motor function in individuals with paralysis, limb loss, or neurological injuries. With the rise of brain-computer interfaces (BCIs), neural implants, and peripheral nerve stimulators, there is a growing interest in neuroprosthetic technologies for enhancing mobility, independence, and quality of life for patients with disabilities. Further, advancements in materials science, biocompatibility, and neural interface technology are driving the development of next-

generation neuroprosthetic devices with improved durability, functionality, and user acceptance. Over the forecast period to 2030, expanding applications in spinal cord injury rehabilitation, stroke recovery, and neurorehabilitation, coupled with increasing investments in neural engineering and neurotechnology research, are expected to drive market growth and innovation, enabling individuals with neurological impairments to achieve greater independence and participation in daily activities.

Neuroprosthetics Market Drivers, Trends, Opportunities, and Growth Opportunities

This comprehensive study discusses the latest trends and the most pressing challenges for industry players and investors. The Neuroprosthetics market research analyses the global market trends, key drivers, challenges, and opportunities in the industry. In addition, the latest Future of Neuroprosthetics survey report provides the market size outlook across types, applications, and other segments across the world and regions. It provides data-driven insights and actionable recommendations for companies in the Neuroprosthetics industry.

Key market trends defining the global Neuroprosthetics demand in 2024 and Beyond

The industry continues to remain an attractive hub for opportunities for both domestic and global vendors. As the market evolves, factors such as emerging market dynamics, demand from end-user sectors, a growing patient base, changes in consumption patterns, and widening distribution channels continue to play a major role.

Neuroprosthetics Market Segmentation- Industry Share, Market Size, and Outlook to 2032

The Neuroprosthetics industry comprises a wide range of segments and sub-segments. The rising demand for these product types and applications is supporting companies to increase their investment levels across niche segments. Accordingly, leading companies plan to generate a large share of their future revenue growth from expansion into these niche segments. The report presents the market size outlook across segments to support Neuroprosthetics companies scaling up production in these sub-segments with a focus on expanding into emerging countries.

Key strategies adopted by companies within the Neuroprosthetics industry

Leading Neuroprosthetics companies are boosting investments to capitalize on untapped potential and future possibilities across niche market segments and surging

demand conditions in key regions. Further, companies are leveraging advanced technologies to unlock opportunities and achieve operational excellence. The report provides key strategies opted for by the top 10 Neuroprosthetics companies.

Neuroprosthetics Market Study- Strategic Analysis Review

The Neuroprosthetics market research report dives deep into the qualitative factors shaping the market, empowering you to make informed decisions-

Industry Dynamics: Porter's Five Forces analysis to understand bargaining power, competitive rivalry, and threats that impact long-term strategy formulation.

Strategic Insights: Provides valuable perspectives on key players and their approaches based on comprehensive strategy analysis.

Internal Strengths and Weaknesses: Develop targeted strategies to leverage strengths, address weaknesses, and capitalize on market opportunities.

Future Possibilities: Prepare for diverse outcomes with in-depth scenario analysis. Explore potential market disruptions, technology advancements, and economic changes.

Neuroprosthetics Market Size Outlook- Historic and Forecast Revenue in Three Cases

The Neuroprosthetics industry report provides a detailed analysis and outlook of revenue generated by companies from 2018 to 2023. Further, with actual data for 2023, the report forecasts the market size outlook from 2024 to 2032 in three case scenarios- low case, reference case, and high case scenarios.

Neuroprosthetics Country Analysis and Revenue Outlook to 2032

The report analyses 22 countries worldwide including the key driving forces and market size outlook from 2021 to 2032. In addition, region analysis across Asia Pacific, Europe, the Middle East, Africa, North America, and South America is included in the study. For each of the six regions, the market size outlook by segments is forecast for 2032.

North America Neuroprosthetics Market Size Outlook- Companies plan for focused

investments in a changing environment

The US continues to remain the market leader in North America, driven by a large consumer base, the presence of well-established providers, and a strong healthcare infrastructure. Leading companies focus on new product launches in the changing environment. The US healthcare expenditure is expected to grow to \$4.8 trillion in 2024 (around 3.7% growth in 2024), potentially driving demand for various Neuroprosthetics market segments. Similarly, Strong market demand is encouraging Canadian Neuroprosthetics companies to invest in niche segments. Further, as Mexico continues to strengthen its relations and invest in technological advancements, the Mexico Neuroprosthetics market is expected to experience significant expansion, offering lucrative opportunities for both domestic and international stakeholders.

Europe Neuroprosthetics Market Size Outlook-Companies investing in assessing consumers, categories, competitors, and capabilities

The German industry remains the major market for companies in the European Neuroprosthetics industry with consumers in Germany, France, the UK, Spain, Italy, and others anticipated to register a steady demand throughout the forecast period, driving the overall market prospects. In addition, the proactive approach of vendors in identifying and leveraging new growth prospects positions the European Neuroprosthetics market for an upward trajectory, fostering both domestic and international interest. Leading brands operating in the industry are emphasizing effective marketing strategies, innovative product offerings, and a keen understanding of consumer preferences.

Asia Pacific Neuroprosthetics Market Size Outlook- an attractive hub for opportunities for both local and global companies

The increasing prevalence of indications, robust healthcare expenditure, and increasing investments in healthcare infrastructure drive the demand for Neuroprosthetics in Asia Pacific. In particular, China, India, and South East Asian Neuroprosthetics markets present a compelling outlook for 2032, acting as a magnet for both domestic and multinational vendors seeking growth opportunities. Similarly, with a burgeoning population and a rising middle class, India offers a vast consumer market. Japanese and Korean companies are quickly aligning their strategies to navigate changes, explore new markets, and enhance their competitive edge. Our report utilizes in-depth interviews with industry experts and comprehensive data analysis to provide a comprehensive outlook of 6 major countries in the APAC region.

Latin America Neuroprosthetics Market Size Outlook- Continued urbanization and rising income levels

Rising income levels contribute to greater purchasing power among consumers, spurring consumption and creating opportunities for market expansion. Continued urbanization and rising income levels are expected to sustainably drive consumption growth in the medium to long term.

Middle East and Africa Neuroprosthetics Market Size Outlook- continues its upward trajectory across segments

Robust demand from Middle Eastern countries including Saudi Arabia, the UAE, Qatar, Kuwait, and other GCC countries supports the overall Middle East Neuroprosthetics market potential. Fueled by increasing healthcare expenditure of individuals, growing population, and high prevalence across a few markets drives the demand for Neuroprosthetics.

Neuroprosthetics Market Company Profiles

The global Neuroprosthetics market is characterized by intense competitive conditions with leading companies opting for aggressive marketing to gain market shares. The report presents business descriptions, SWOT analysis, growth strategies, and financial profiles. Leading companies included in the study are Abbott Laboratories, Boston Scientific Corp, BrainGate Company, Cochlear Ltd, Demant A/S, LivaNova PLC, LivaNova PLC, MED-EL Medical Electronics, Medtronic plc, Second Sight Medical Products Inc, Sonova Holding AG.

Recent Neuroprosthetics Market Developments

The global Neuroprosthetics market study presents recent market news and developments including new product launches, mergers, acquisitions, expansions, product approvals, and other updates in the industry.

Neuroprosthetics Market Report Scope

Parameters: Revenue, Volume Price

Study Period: 2023 (Base Year); 2018- 2023 (Historic Period); 2024- 2032 (Forecast

Period)

Currency: USD; (Upon request, can be provided in Euro, JPY, GBP, and other Local Currency)

Qualitative Analysis

Pricing Analysis

Value Chain Analysis

SWOT Profile

Market Dynamics- Trends, Drivers, Challenges

Porter's Five Forces Analysis

Macroeconomic Impact Analysis

Case Scenarios- Low, Base, High

Market Segmentation:

By Type

Output Neural Prosthetics

Input Neural Prosthetics

By Technique

Spinal Cord Stimulation

Deep Brain Stimulation

Vagus Nerve Stimulation

Others

By Application

Parkinson's Disease

Alzheimer's Disease

Epilepsy

Auditory Processing Disorders

Ophthalmic Disorders

Others

Geographical Segmentation:

North America (3 markets)

Europe (6 markets)

Asia Pacific (6 markets)

Latin America (3 markets)

Middle East Africa (5 markets)

Companies

Abbott Laboratories

Boston Scientific Corp

BrainGate Company

Cochlear Ltd

Demant A/S

LivaNova PLC

LivaNova PLC

MED-EL Medical Electronics

Medtronic plc

Second Sight Medical Products Inc

Sonova Holding AG

Formats Available: Excel, PDF, and PPT

Contents

1. EXECUTIVE SUMMARY

- 1.1 Neuroprosthetics Market Overview and Key Findings, 2024
- 1.2 Neuroprosthetics Market Size and Growth Outlook, 2021- 2030
- 1.3 Neuroprosthetics Market Growth Opportunities to 2030
- 1.4 Key Neuroprosthetics Market Trends and Challenges
 - 1.4.1 Neuroprosthetics Market Drivers and Trends
 - 1.4.2 Neuroprosthetics Market Challenges
- 1.5 Competitive Landscape and Key Players
- 1.6 Competitive Analysis- Growth Strategies Adopted by Leading Neuroprosthetics Companies

2. NEUROPROSTHETICS MARKET SIZE OUTLOOK TO 2030

- 2.1 Neuroprosthetics Market Size Outlook, USD Million, 2021- 2030
- 2.2 Neuroprosthetics Incremental Market Growth Outlook, %, 2021- 2030
- 2.3 Segment Snapshot, 2024

3. NEUROPROSTHETICS MARKET- STRATEGIC ANALYSIS REVIEW

- 3.1 Porter's Five Forces Analysis
 - * Threat of New Entrants
 - * Threat of Substitutes
 - * Intensity of Competitive Rivalry
 - * Bargaining Power of Buyers
 - * Bargaining Power of Suppliers
- 3.2 Value Chain Analysis
- 3.3 SWOT Analysis

4. NEUROPROSTHETICS MARKET SEGMENTATION ANALYSIS AND OUTLOOK

- 4.1 Market Segmentation and Scope
- 4.2 Market Breakdown by Type, Application, and Other Segments, 2021-2030
 - By Type
 - Output Neural Prosthetics
 - Input Neural Prosthetics
 - By Technique

Spinal Cord Stimulation
Deep Brain Stimulation
Vagus Nerve Stimulation
Others

By Application
Parkinson's Disease
Alzheimer's Disease
Epilepsy
Auditory Processing Disorders
Ophthalmic Disorders
Others

4.3 Growth Prospects and Niche Opportunities, 2023- 2030
4.4 Regional comparison of Market Growth, CAGR, 2023-2030

5. REGION-WISE MARKET OUTLOOK TO 2030

5.1 Key Findings for Asia Pacific Neuroprosthetics Market, 2025
5.2 Asia Pacific Neuroprosthetics Market Size Outlook by Type, 2021- 2030
5.3 Asia Pacific Neuroprosthetics Market Size Outlook by Application, 2021- 2030
5.4 Key Findings for Europe Neuroprosthetics Market, 2025
5.5 Europe Neuroprosthetics Market Size Outlook by Type, 2021- 2030
5.6 Europe Neuroprosthetics Market Size Outlook by Application, 2021- 2030
5.7 Key Findings for North America Neuroprosthetics Market, 2025
5.8 North America Neuroprosthetics Market Size Outlook by Type, 2021- 2030
5.9 North America Neuroprosthetics Market Size Outlook by Application, 2021- 2030
5.10 Key Findings for South America Neuroprosthetics Market, 2025
5.11 South America Pacific Neuroprosthetics Market Size Outlook by Type, 2021- 2030
5.12 South America Neuroprosthetics Market Size Outlook by Application, 2021- 2030
5.13 Key Findings for Middle East and Africa Neuroprosthetics Market, 2025
5.14 Middle East Africa Neuroprosthetics Market Size Outlook by Type, 2021- 2030
5.15 Middle East Africa Neuroprosthetics Market Size Outlook by Application, 2021- 2030

6. COUNTRY-WISE MARKET SIZE OUTLOOK TO 2030

6.1 US Neuroprosthetics Market Size Outlook and Revenue Growth Forecasts
6.2 US Neuroprosthetics Industry Drivers and Opportunities
6.3 Canada Market Size Outlook and Revenue Growth Forecasts
6.4 Canada Neuroprosthetics Industry Drivers and Opportunities

- 6.6 Mexico Market Size Outlook and Revenue Growth Forecasts
- 6.6 Mexico Neuroprosthetics Industry Drivers and Opportunities
- 6.7 Germany Market Size Outlook and Revenue Growth Forecasts
- 6.8 Germany Neuroprosthetics Industry Drivers and Opportunities
- 6.9 France Market Size Outlook and Revenue Growth Forecasts
- 6.10 France Neuroprosthetics Industry Drivers and Opportunities
- 6.11 UK Market Size Outlook and Revenue Growth Forecasts
- 6.12 UK Neuroprosthetics Industry Drivers and Opportunities
- 6.13 Spain Market Size Outlook and Revenue Growth Forecasts
- 6.14 Spain Neuroprosthetics Industry Drivers and Opportunities
- 6.16 Italy Market Size Outlook and Revenue Growth Forecasts
- 6.16 Italy Neuroprosthetics Industry Drivers and Opportunities
- 6.17 Rest of Europe Market Size Outlook and Revenue Growth Forecasts
- 6.18 Rest of Europe Neuroprosthetics Industry Drivers and Opportunities
- 6.19 China Market Size Outlook and Revenue Growth Forecasts
- 6.20 China Neuroprosthetics Industry Drivers and Opportunities
- 6.21 India Market Size Outlook and Revenue Growth Forecasts
- 6.22 India Neuroprosthetics Industry Drivers and Opportunities
- 6.23 Japan Market Size Outlook and Revenue Growth Forecasts
- 6.24 Japan Neuroprosthetics Industry Drivers and Opportunities
- 6.26 South Korea Market Size Outlook and Revenue Growth Forecasts
- 6.26 South Korea Neuroprosthetics Industry Drivers and Opportunities
- 6.27 Australia Market Size Outlook and Revenue Growth Forecasts
- 6.28 Australia Neuroprosthetics Industry Drivers and Opportunities
- 6.29 South East Asia Market Size Outlook and Revenue Growth Forecasts
- 6.30 South East Asia Neuroprosthetics Industry Drivers and Opportunities
- 6.31 Rest of Asia Pacific Market Size Outlook and Revenue Growth Forecasts
- 6.32 Rest of Asia Pacific Neuroprosthetics Industry Drivers and Opportunities
- 6.33 Brazil Market Size Outlook and Revenue Growth Forecasts
- 6.34 Brazil Neuroprosthetics Industry Drivers and Opportunities
- 6.36 Argentina Market Size Outlook and Revenue Growth Forecasts
- 6.36 Argentina Neuroprosthetics Industry Drivers and Opportunities
- 6.37 Rest of South America Market Size Outlook and Revenue Growth Forecasts
- 6.38 Rest of South America Neuroprosthetics Industry Drivers and Opportunities
- 6.39 Middle East Market Size Outlook and Revenue Growth Forecasts
- 6.40 Middle East Neuroprosthetics Industry Drivers and Opportunities
- 6.41 Africa Market Size Outlook and Revenue Growth Forecasts
- 6.42 Africa Neuroprosthetics Industry Drivers and Opportunities

7. NEUROPROSTHETICS MARKET OUTLOOK ACROSS SCENARIOS

7.1 Low Growth Case

7.2 Reference Growth Case

7.3 High Growth Case

8. NEUROPROSTHETICS COMPANY PROFILES

8.1 Profiles of Leading Neuroprosthetics Companies in the Market

8.2 Business Descriptions, SWOT Analysis, and Growth Strategies

8.3 Financial Performance and Key Metrics

Abbott Laboratories

Boston Scientific Corp

BrainGate Company

Cochlear Ltd

Demant A/S

LivaNova PLC

LivaNova PLC

MED-EL Medical Electronics

Medtronic plc

Second Sight Medical Products Inc

Sonova Holding AG.

9. APPENDIX

9.1 Scope of the Report

9.2 Research Methodology and Data Sources

9.3 Glossary of Terms

9.4 Market Definitions

9.5 Contact Information

I would like to order

Product name: Neuroprosthetics Market Size, Trends, Analysis, and Outlook By Type (Output Neural Prosthetics, Input Neural Prosthetics), By Technique (Spinal Cord Stimulation, Deep Brain Stimulation, Vagus Nerve Stimulation, Others), By Application (Parkinson's Disease, Alzheimer's Disease, Epilepsy, Auditory Processing Disorders, Ophthalmic Disorders, Others), by Country, Segment, and Companies, 2024-2032

Product link: <https://marketpublishers.com/r/N69EC24BD666EN.html>

Price: US\$ 3,980.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/N69EC24BD666EN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:
Last name:
Email:
Company:
Address:
City:
Zip code:
Country:
Tel:
Fax:
Your message:

****All fields are required**

Customer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below
and fax the completed form to +44 20 7900 3970