

# **Global Medical Linear Accelerator Market Size study & Forecast, by Product Type (Dedicated Linear Accelerator, Non-Dedicated Linear Accelerator), By Treatment Type (Intensity Modulated Radiation Therapy, Volumetric Modulated Arc Therapy, Image Guided Radiation Therapy, Stereotactic Body Radiotherapy) and Regional Analysis, 2023-2030**

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## **Abstracts**

Global Medical Linear Accelerator Market is valued at approximately USD 3178.45 million in 2022 and is anticipated to grow with a healthy growth rate of more than 7.1% over the forecast period 2023-2030. A medical linear accelerator, also known as a linac, is a type of medical equipment used in radiation oncology for the treatment of cancer. It is a complex machine that generates high-energy X-rays or electron beams, which are used to deliver precise doses of radiation to cancerous tumors while minimizing the exposure of healthy surrounding tissues. The Medical Linear Accelerator market is expanding because of factors such as rising number of cases related to cancer and increasing prevalence of neurological disorders.

Medical linear accelerators are used for a variety of radiation therapy techniques, including external beam radiation therapy, intensity-modulated radiation therapy, stereotactic body radiation therapy, and stereotactic radiosurgery. They play a crucial role in the treatment of cancer and are an essential tool in modern radiation oncology. According to the World Health Organization, Cancer is a leading cause of death worldwide, accounting for nearly 10 million deaths in 2020, or nearly one in six deaths. According to the American Society of Cancer in 2022, there will be an estimated 1.9 million new cancer cases diagnosed and 609,360 cancer deaths in the United States. Another important component driving space is increasing prevalence of neurological

disorders. According to the Pan American Health Organization, in 2019, worldwide Neurological conditions account for 533,172 deaths, 40% in men, and 60% in women. In addition, in 2019, the prescription pharmaceuticals market in the United States for nervous system disorders is around USD 20 billion. Also, advancement in product development and growing prevalence of various diseases would create a lucrative growth prospectus for the market over the forecast period. However, the high cost of Medical Linear Accelerator stifles market growth throughout the forecast period of 2023-2030.

The key regions considered for the Global Medical Linear Accelerator Market study include Asia Pacific, North America, Europe, Latin America, and Rest of the World. North America dominated the market in 2022 owing to the presence of key market players and rising technological advancement in the region. According to Statista, in the global medical technology market most revenue will be generated in the United States USD 199.80 billion in 2023. Furthermore, Asia Pacific is expected to grow significantly during the forecast period, owing to factors such as rising geriatric population, geographic expansion of key players, and active participation of government organizations in the market space.

Major market players included in this report are:

Accuray Inc.  
General Electric  
Viewray Technologies, Inc.  
Shinva Medical Instruments Co. Ltd.  
Panacea Medical Technologies Pvt. Ltd.  
Varian Medical Systems Inc.  
Hitachi Ltd.  
Shinva Medical Instrument Co. Ltd.  
Mitsubishi Heavy Industries, Ltd.  
Koninklijke Philips N.V.

Recent Developments in the Market:

In June 2022, Accuray Incorporated and Limbus AI Inc collaborated to improve adaptive radiotherapy features by integrating Limbus' AI-driven auto contouring algorithms, allowing automated contouring to further streamline the treatment planning process.

Global Medical Linear Accelerator Market Report Scope:

Historical Data – 2020 - 2021

Base Year for Estimation – 2022

Forecast period - 2023-2030

Report Coverage - Revenue forecast, Company Ranking, Competitive Landscape, Growth factors, and Trends

Segments Covered - Product Type, Treatment Type, Region

Regional Scope - North America; Europe; Asia Pacific; Latin America; Middle East & Africa

Customization Scope - Free report customization (equivalent up to 8 analyst's working hours) with purchase. Addition or alteration to country, regional & segment scope\*

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values to the coming years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within countries involved in the study.

The report also caters detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, it also incorporates potential opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and product offerings of key players. The detailed segments and sub-segment of the market are explained below:

By Product Type

Dedicated Linear Accelerator

Non-Dedicated Linear Accelerator

By Treatment Type

Intensity Modulated Radiation Therapy

Volumetric Modulated Arc Therapy

Image Guided Radiation Therapy

Stereotactic Body Radiotherapy

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

ROE

Asia Pacific

China

India

Japan

Australia

South Korea

RoAPAC

Latin America

Brazil

Mexico

Middle East & Africa

Saudi Arabia

South Africa

Rest of Middle East & Africa

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