

2021 Medical Cyclotron Market - Size, Share, COVID Impact Analysis and Forecast to 2027

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Abstracts

The global Medical cyclotron market is expected to grow from USD 192 million in 2020 to USD 333.2 million in 2026.

Medical cyclotron market is poised to register 9.62% compounded annual growth rate, driven by high prevalence of cancer, widening use of scanning applications and government support. Due to challenges associated with achieving radioactive tracers and radiopharmaceuticals, countries are developing own production plants.

Further, due to increasing investments in R&D in medical cyclotrons, the market is witnessing rapid expansion across developing economies. Increasing awareness of nuclear scans, particle accelerators, and nuclear medicine will support the overall market.

Major Trends, Drivers & Challenges

Companies trying to achieve economies of Scale - Design costs, cyclotron fabrication costs, and beamline costs, operating costs are the main components of cost structure of cyclotrons. Increasing adoption across developed and developing countries for nuclear medical scanning applications are driving down the costs of scanning per use.

Advancements in Cyclotrons - Medical cyclotron brought in immense changes in nuclear medicine enabling detailed and accurate analysis through molecular imaging technology.

Radioisotopes for medical imaging, compact PET cyclotrons and specific particle accelerators are increasing rapidly. In particular, modern medical cyclotrons devoted to

proton cancer treatments and for production of radioisotopes for diagnostics and therapy are compact, user-friendly, affordable and able to ensure very high performance.

Lack of reimbursement frameworks in the emerging markets - The cyclotron devices involve high costs, which present significant challenges for expansion in developing countries.

Lack of Trained Staff for handling medical cyclotrons - The demand for medical cyclotrons endoscopes will increase significantly over the next 10 years. Though the patients are increasing rapidly, the lab technicians and doctors required for handling the technology are growing at a slower rate.

16-18 MeV remains the most Dominant type segment in 2019 with 56.7% market share.

Segmentation

Medical Cyclotron, By Product

10-12 MeV

16-18 MeV

19-24 MeV

24 MeV & Above

Medical Cyclotron Market, By Region

North America (USA, Canada, Mexico)

Europe (Germany, UK, France, Spain, Italy, Russia, Rest of Europe)

Asia-Pacific (China, India, Japan, South Korea, Australia, Rest of APAC)

Middle East and Africa (Saudi Arabia, South Africa, Rest of MEA)

South and Central America (Brazil, Argentina, Chile, Rest of SCA)

Report Scope-

The report- '2021 Medical Cyclotron Market - Size, Share, COVID Impact Analysis and Forecast to 2027' presents growth projections in the Medical Cyclotron Market between 2021 and 2027 for companies operating across different types, applications, and end-user verticals.

Short-term and long-term trends affecting the market landscape are included in the research. Further, market drivers, restraints, and potential opportunities are also provided in the report.

The Medical Cyclotron Market report computes the 2020 market value in revenue terms based on the average Medical Cyclotron prices and sales/revenue models of key companies operating in the Medical Cyclotron Industry. The study forecasts the market size to 2027 for different types of Medical Cyclotron and provides respective market share and growth rates.

The study discusses technological innovations and the potential shift in demand among various products in the Medical Cyclotron Market, over the forecast period. The leading five companies in the Medical Cyclotron Industry together with their products, key strategies, and comparisons are provided.

The Medical Cyclotron Market size, share, and outlook across different types and applications are provided at geographic levels of North America, Asia Pacific, Europe, Middle East Africa, South and Central America. Further, country-level Medical Cyclotron Market value is also provided.

All recent developments in Medical Cyclotron Industry including mergers, acquisitions, contract awards, licenses, product launches, and expansion plans are included in the report.

Base Year- 2020; Forecast period: 2021- 2027

Publication frequency- Every six months

Research Methodology- Data triangulation with top-down and Bottom-up approach are used for market size

Scope of the Report -

Global Medical Cyclotron Industry size, 2020- 2027

Market trends, drivers, restraints, and opportunities

Porter's Five forces analysis

Types of Medical Cyclotron , 2020-2027

Medical Cyclotron applications and end-user verticals market size, 2020- 2027

Medical Cyclotron Market size across countries, 2020- 2027

5 leading companies in the industry- overview, key strategies, financials, and products

Latest market news and developments

Additional support -

All the data presented in tables and charts of the report is provided in a separate Excel document

Print authentication extended

10% free customization to include any specific data/analysis to match with the requirement

3 months of analyst support

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