

# 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

## Contents

### **1. GLOBAL MEDICAL CYCLOTRON INDUSTRY**

- 1.1. Market Scope and Definition
- 1.2. Study Assumptions
- 1.3. Research Methodology

### **2. EXECUTIVE SUMMARY**

- 2.1. Trends
  - 2.1.1. Companies trying to achieve economies of Scale
  - 2.1.2. Advancements in Cyclotrons
  - 2.1.3. Global Medical Cyclotron Market Value, By Product
  - 2.1.4. Global Medical Cyclotron Market Value, By Application
  - 2.1.5. Global Medical Cyclotron Market Value, By Geography

### **3. STRATEGIC ANALYSIS REVIEW**

- 3.1. Drivers and Restraints
  - 3.1.1. Drivers
  - 3.1.2. Challenges

### **4. GLOBAL OUTLOOK AND GROWTH OPPORTUNITIES**

- 4.1. Medical Cyclotron Market Outlook, 2020- 2027
- 4.2. Key Products of Medical Cyclotron, 2020- 2027
  - 4.2.1. 10-12 MeV
  - 4.2.2. 16-18 MeV
  - 4.2.3. 19-24 MeV
  - 4.2.4. 24 MeV & Above
- 4.3. Medical Cyclotron Market Analysis by Application, 2020- 2027
  - 4.3.1. Hospitals & Clinics
  - 4.3.2. Research & Academics
  - 4.3.3. Others
- 4.4. Medical Cyclotron Market Analysis by Geography, 2020- 2027

### **5. NORTH AMERICA OUTLOOK AND GROWTH OPPORTUNITIES**

- 5.1. Introduction
- 5.2. North America Medical Cyclotron Market Outlook by Product, 2020- 2027
- 5.3. North America Medical Cyclotron Market Outlook by Application, 2020- 2027
- 5.4. North America Medical Cyclotron Market Outlook by Country, 2020- 2027
  - 5.4.1. United States
  - 5.4.2. Mexico
  - 5.4.3. Canada

## **6. EUROPE OUTLOOK AND GROWTH OPPORTUNITIES**

- 6.1. Introduction
- 6.2. Europe Medical Cyclotron Market Outlook by Product, 2020- 2027
- 6.3. Europe Medical Cyclotron Market Outlook by Application, 2020- 2027
- 6.4. Europe Medical Cyclotron Market Outlook by Country, 2020- 2027
  - 6.4.1. Germany
  - 6.4.2. United Kingdom
  - 6.4.3. Spain
  - 6.4.4. France
  - 6.4.5. Italy
  - 6.4.6. Rest of Europe

## **7. ASIA PACIFIC OUTLOOK AND GROWTH OPPORTUNITIES**

- 7.1. Introduction
- 7.2. Asia Pacific Medical Cyclotron Market Outlook by Product, 2020- 2027
- 7.3. Asia Pacific Medical Cyclotron Market Outlook by Application, 2020- 2027
- 7.4. Asia Pacific Medical Cyclotron Market Outlook by Country, 2020- 2027
  - 7.4.1. China
  - 7.4.2. India
  - 7.4.3. Japan
  - 7.4.4. Rest of Asia Pacific

## **8. SOUTH AND CENTRAL AMERICA OUTLOOK AND GROWTH OPPORTUNITIES**

- 8.1. Introduction
- 8.2. South and Central America Medical Cyclotron Market Outlook by Product, 2020- 2027
- 8.3. South and Central America Medical Cyclotron Market Outlook by Application, 2020- 2027

## 8.4. South and Central America Medical Cyclotron Market Outlook by Country, 2020-2027

8.4.1. Brazil

8.4.2. Argentina

8.4.3. Rest of South and Central America

## 9. MIDDLE EAST AFRICA OUTLOOK AND GROWTH OPPORTUNITIES

9.1. Introduction

9.2. Middle East Africa Medical Cyclotron Market Outlook by Product, 2020- 2027

9.3. Middle East and Africa Medical Cyclotron Market Outlook by Application, 2020-2027

9.4. Middle East Africa Medical Cyclotron Market Outlook by Region, 2020- 2027

9.4.1. Middle East

9.4.2. Africa

## 10. COMPANY PROFILES

10.1. Siemens Healthineers AG

10.2. General Electric Company

## 11. APPENDIX

11.1. About Us

11.2. Sources

11.3. Contact Information

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