

# **Coronary Atherectomy Devices Market Outlook 2025-2034: Market Share, and Growth Analysis By Product (Directional Atherectomy Devices, Orbital Atherectomy Devices, Photo-Ablative Atherectomy Devices, Rotational Atherectomy Devices, Other Products), By Application (Peripheral Vascular, Cardiovascular, Neurovascular), By End User**

<https://marketpublishers.com/r/C31687A26AFEEN.html>

Date: October 2025

Pages: 160

Price: US\$ 3,950.00 (Single User License)

ID: C31687A26AFEEN

## **Abstracts**

The Coronary Atherectomy Devices Market is valued at USD 270.4 million in 2025 and is projected to grow at a CAGR of 11.4% to reach USD 715.6 million by 2034. The global coronary atherectomy devices market is driven by the increasing prevalence of coronary artery disease (CAD) and the growing need for effective treatments for heavily calcified or complex coronary lesions that are difficult to treat with traditional percutaneous coronary intervention (PCI) procedures like balloon angioplasty and stenting. Atherectomy devices are specialized tools used to remove plaque buildup from the coronary arteries, restoring blood flow to the heart.

The growth of the coronary atherectomy devices market is influenced by the aging global population, the rising incidence of CAD due to lifestyle factors, and advancements in interventional cardiology techniques. The market benefits from the development of innovative atherectomy devices that offer improved safety and efficacy in treating challenging lesions. The increasing adoption of minimally invasive procedures and the growing preference for interventional treatments over open-heart surgery also contribute to market growth.

North America is the largest market for coronary atherectomy devices due to its high prevalence of CAD and advanced healthcare infrastructure. Europe also represents a

significant market with a well-established interventional cardiology community. Asia Pacific is the fastest-growing market, driven by increasing awareness of cardiac diseases, rising disposable incomes, and improving access to advanced medical procedures. The market is dominated by key medical device companies that offer a range of atherectomy systems.

## Key Insights Coronary Atherectomy Devices Market

**Development of Rotational Atherectomy Systems with Enhanced Safety Features:** Innovations in rotational atherectomy devices focus on reducing procedural complications like burr entrapment and distal embolization.

**Increasing Use of Orbital Atherectomy Devices:** Orbital atherectomy is gaining popularity for its ability to treat a wider range of lesion morphologies with potentially lower risk of vessel injury.

**Integration of Imaging Modalities with Atherectomy Procedures:** The use of intravascular ultrasound (IVUS) and optical coherence tomography (OCT) to guide atherectomy and assess treatment outcomes is increasing.

**Development of Directional Coronary Atherectomy Devices for Specific Lesion Types:** Directional atherectomy allows for targeted plaque removal, which can be beneficial in certain lesion morphologies.

**Growing Adoption in Complex PCI Procedures:** Atherectomy devices are increasingly being used as adjunctive tools in complex PCI cases involving heavily calcified lesions or chronic total occlusions (CTOs).

**Rising Prevalence of Coronary Artery Disease (CAD):** The increasing incidence of CAD globally is driving the demand for effective treatment options, including atherectomy.

**Need for Treatment of Heavily Calcified Lesions:** Atherectomy is often the preferred treatment for severely calcified coronary arteries that are difficult to treat with conventional PCI.

**Advancements in Atherectomy Device Technology:** Innovations in device design and functionality are improving the safety and efficacy of atherectomy procedures.

**Increasing Adoption of Minimally Invasive Procedures:** Patients and physicians prefer minimally invasive interventional treatments over open-heart surgery.

**Aging Global Population:** The elderly population is more prone to CAD and often requires advanced interventional treatments.

**Risk of Procedural Complications:** Atherectomy procedures carry potential risks such as vessel perforation, dissection, and distal embolization.

**High Cost of Atherectomy Devices:** Atherectomy devices are often more expensive than traditional PCI balloons and stents, which can limit their adoption in cost-sensitive healthcare systems.

**Requirement for Specialized Training and Expertise:** Performing atherectomy procedures safely and effectively requires specialized training and experience.

**Limited Long-Term Clinical Data:** While short-term outcomes are generally positive, more long-term clinical data is needed to fully establish the benefits of atherectomy over other PCI techniques in various lesion types.

**Reimbursement Policies:** Reimbursement policies for atherectomy procedures can vary and may impact their adoption rates.

## Coronary Atherectomy Devices Market Segmentation

### By Product

Directional Atherectomy Devices

Orbital Atherectomy Devices

Photo-Ablative Atherectomy Devices

Rotational Atherectomy Devices

Other Products

## By Application

Peripheral Vascular

Cardiovascular

Neurovascular

## By End User

Hospitals & Surgical Centers

Ambulatory Care Centers

Research Laboratories & Academic Institutes

## Key Companies Analysed

Boston Scientific Corporation

Koninklijke Philips N.V.

Cardiovascular Systems Inc.

The Spectranetics Corporation

Medtronic Inc.

Avinger Inc.

Biotronik SE & Co KG

Arterial Remodeling Technologies

Atrium Medical Corporation

B. Braun Melsungen AG

Balton Sp. z o.o.

Biosensors International Group Ltd.

Straub Medical AG

C.R. Bard Inc.

RA Medical Systems Inc.

Shockwave Medical Inc.

Terumo Corporation

Abbott Laboratories Inc.

Asahi Intecc Co. Ltd.

Baylis Medical Company Inc.

Cook Medical LLC

Cordis Corporation

Edwards Lifesciences Corporation

Endologix Inc.

Infraredx Inc.

Intact Vascular Inc.

Lutonix Inc.

Mercator MedSystems Inc.

Miracor Medical Systems GmbH

OrbusNeich Medical Company Limited

QT Vascular Ltd.

TriReme Medical LLC

Vascular Solutions Inc.

Volcano Corporation

## Coronary Atherectomy Devices Market Analytics

The report employs rigorous tools, including Porter's Five Forces, value chain mapping, and scenario-based modeling, to assess supply–demand dynamics. Cross-sector influences from parent, derived, and substitute markets are evaluated to identify risks and opportunities. Trade and pricing analytics provide an up-to-date view of international flows, including leading exporters, importers, and regional price trends.

Macroeconomic indicators, policy frameworks such as carbon pricing and energy security strategies, and evolving consumer behavior are considered in forecasting scenarios. Recent deal flows, partnerships, and technology innovations are incorporated to assess their impact on future market performance.

## Coronary Atherectomy Devices Market Competitive Intelligence

The competitive landscape is mapped through OG Analysis' proprietary frameworks, profiling leading companies with details on business models, product portfolios, financial performance, and strategic initiatives. Key developments such as mergers & acquisitions, technology collaborations, investment inflows, and regional expansions are analyzed for their competitive impact. The report also identifies emerging players and innovative startups contributing to market disruption.

Regional insights highlight the most promising investment destinations, regulatory landscapes, and evolving partnerships across energy and industrial corridors.

## Countries Covered

North America — Coronary Atherectomy Devices market data and outlook to

2034

United States

Canada

Mexico

Europe — Coronary Atherectomy Devices market data and outlook to 2034

Germany

United Kingdom

France

Italy

Spain

BeNeLux

Russia

Sweden

Asia-Pacific — Coronary Atherectomy Devices market data and outlook to 2034

China

Japan

India

South Korea

Australia

Indonesia

Malaysia

Vietnam

Middle East and Africa — Coronary Atherectomy Devices market data and outlook to 2034

Saudi Arabia

South Africa

Iran

UAE

Egypt

South and Central America — Coronary Atherectomy Devices market data and outlook to 2034

Brazil

Argentina

Chile

Peru

*\* We can include data and analysis of additional countries on demand.*

## Research Methodology

This study combines primary inputs from industry experts across the Coronary Atherectomy Devices value chain with secondary data from associations, government publications, trade databases, and company disclosures. Proprietary modeling techniques, including data triangulation, statistical correlation, and scenario planning, are applied to deliver reliable market sizing and forecasting.

## Key Questions Addressed

What is the current and forecast market size of the Coronary Atherectomy Devices industry at global, regional, and country levels?

Which types, applications, and technologies present the highest growth potential?

How are supply chains adapting to geopolitical and economic shocks?

What role do policy frameworks, trade flows, and sustainability targets play in shaping demand?

Who are the leading players, and how are their strategies evolving in the face of global uncertainty?

Which regional “hotspots” and customer segments will outpace the market, and what go-to-market and partnership models best support entry and expansion?

Where are the most investable opportunities—across technology roadmaps, sustainability-linked innovation, and M&A—and what is the best segment to invest over the next 3–5 years?

## Your Key Takeaways from the Coronary Atherectomy Devices Market Report

Global Coronary Atherectomy Devices market size and growth projections (CAGR), 2024-2034

Impact of Russia-Ukraine, Israel-Palestine, and Hamas conflicts on Coronary Atherectomy Devices trade, costs, and supply chains

Coronary Atherectomy Devices market size, share, and outlook across 5 regions and 27 countries, 2023-2034

Coronary Atherectomy Devices market size, CAGR, and market share of key products, applications, and end-user verticals, 2023-2034

Short- and long-term Coronary Atherectomy Devices market trends, drivers, restraints, and opportunities

Porter's Five Forces analysis, technological developments, and Coronary Atherectomy Devices supply chain analysis

Coronary Atherectomy Devices trade analysis, Coronary Atherectomy Devices market price analysis, and Coronary Atherectomy Devices supply/demand dynamics

Profiles of 5 leading companies—overview, key strategies, financials, and products

Latest Coronary Atherectomy Devices market news and developments

#### Additional Support

With the purchase of this report, you will receive

An updated PDF report and an MS Excel data workbook containing all market tables and figures for easy analysis.

7-day post-sale analyst support for clarifications and in-scope supplementary data, ensuring the deliverable aligns precisely with your requirements.

Complimentary report update to incorporate the latest available data and the impact of recent market developments.

*\* The updated report will be delivered within 3 working days*

## Contents

### 1. TABLE OF CONTENTS

- 1.1 List of Tables
- 1.2 List of Figures

### 2. GLOBAL CORONARY ATHERECTOMY DEVICES MARKET SUMMARY, 2025

- 2.1 Coronary Atherectomy Devices Industry Overview
  - 2.1.1 Global Coronary Atherectomy Devices Market Revenues (In US\$ billion)
- 2.2 Coronary Atherectomy Devices Market Scope
- 2.3 Research Methodology

### 3. CORONARY ATHERECTOMY DEVICES MARKET INSIGHTS, 2024-2034

- 3.1 Coronary Atherectomy Devices Market Drivers
- 3.2 Coronary Atherectomy Devices Market Restraints
- 3.3 Coronary Atherectomy Devices Market Opportunities
- 3.4 Coronary Atherectomy Devices Market Challenges
- 3.5 Tariff Impact on Global Coronary Atherectomy Devices Supply Chain Patterns

### 4. CORONARY ATHERECTOMY DEVICES MARKET ANALYTICS

- 4.1 Coronary Atherectomy Devices Market Size and Share, Key Products, 2025 Vs 2034
- 4.2 Coronary Atherectomy Devices Market Size and Share, Dominant Applications, 2025 Vs 2034
- 4.3 Coronary Atherectomy Devices Market Size and Share, Leading End Uses, 2025 Vs 2034
- 4.4 Coronary Atherectomy Devices Market Size and Share, High Growth Countries, 2025 Vs 2034
- 4.5 Five Forces Analysis for Global Coronary Atherectomy Devices Market
  - 4.5.1 Coronary Atherectomy Devices Industry Attractiveness Index, 2025
  - 4.5.2 Coronary Atherectomy Devices Supplier Intelligence
  - 4.5.3 Coronary Atherectomy Devices Buyer Intelligence
  - 4.5.4 Coronary Atherectomy Devices Competition Intelligence
  - 4.5.5 Coronary Atherectomy Devices Product Alternatives and Substitutes Intelligence
  - 4.5.6 Coronary Atherectomy Devices Market Entry Intelligence

## **5. GLOBAL CORONARY ATHERECTOMY DEVICES MARKET STATISTICS – INDUSTRY REVENUE, MARKET SHARE, GROWTH TRENDS AND FORECAST BY SEGMENTS, TO 2034**

5.1 World Coronary Atherectomy Devices Market Size, Potential and Growth Outlook, 2024- 2034 (\$ billion)

5.1 Global Coronary Atherectomy Devices Sales Outlook and CAGR Growth By Product, 2024- 2034 (\$ billion)

5.2 Global Coronary Atherectomy Devices Sales Outlook and CAGR Growth By Application, 2024- 2034 (\$ billion)

5.3 Global Coronary Atherectomy Devices Sales Outlook and CAGR Growth By End User, 2024- 2034 (\$ billion)

5.4 Global Coronary Atherectomy Devices Market Sales Outlook and Growth by Region, 2024- 2034 (\$ billion)

## **6. ASIA PACIFIC CORONARY ATHERECTOMY DEVICES INDUSTRY STATISTICS – MARKET SIZE, SHARE, COMPETITION AND OUTLOOK**

6.1 Asia Pacific Coronary Atherectomy Devices Market Insights, 2025

6.2 Asia Pacific Coronary Atherectomy Devices Market Revenue Forecast By Product, 2024- 2034 (USD billion)

6.3 Asia Pacific Coronary Atherectomy Devices Market Revenue Forecast By Application, 2024- 2034 (USD billion)

6.4 Asia Pacific Coronary Atherectomy Devices Market Revenue Forecast By End User, 2024- 2034 (USD billion)

6.5 Asia Pacific Coronary Atherectomy Devices Market Revenue Forecast by Country, 2024- 2034 (USD billion)

6.5.1 China Coronary Atherectomy Devices Market Size, Opportunities, Growth 2024-2034

6.5.2 India Coronary Atherectomy Devices Market Size, Opportunities, Growth 2024-2034

6.5.3 Japan Coronary Atherectomy Devices Market Size, Opportunities, Growth 2024-2034

6.5.4 Australia Coronary Atherectomy Devices Market Size, Opportunities, Growth 2024- 2034

## **7. EUROPE CORONARY ATHERECTOMY DEVICES MARKET DATA, PENETRATION, AND BUSINESS PROSPECTS TO 2034**

7.1 Europe Coronary Atherectomy Devices Market Key Findings, 2025

7.2 Europe Coronary Atherectomy Devices Market Size and Percentage Breakdown By Product, 2024- 2034 (USD billion)

7.3 Europe Coronary Atherectomy Devices Market Size and Percentage Breakdown By Application, 2024- 2034 (USD billion)

7.4 Europe Coronary Atherectomy Devices Market Size and Percentage Breakdown By End User, 2024- 2034 (USD billion)

7.5 Europe Coronary Atherectomy Devices Market Size and Percentage Breakdown by Country, 2024- 2034 (USD billion)

7.5.1 Germany Coronary Atherectomy Devices Market Size, Trends, Growth Outlook to 2034

7.5.2 United Kingdom Coronary Atherectomy Devices Market Size, Trends, Growth Outlook to 2034

7.5.2 France Coronary Atherectomy Devices Market Size, Trends, Growth Outlook to 2034

7.5.2 Italy Coronary Atherectomy Devices Market Size, Trends, Growth Outlook to 2034

7.5.2 Spain Coronary Atherectomy Devices Market Size, Trends, Growth Outlook to 2034

## **8. NORTH AMERICA CORONARY ATHERECTOMY DEVICES MARKET SIZE, GROWTH TRENDS, AND FUTURE PROSPECTS TO 2034**

8.1 North America Snapshot, 2025

8.2 North America Coronary Atherectomy Devices Market Analysis and Outlook By Product, 2024- 2034 (\$ billion)

8.3 North America Coronary Atherectomy Devices Market Analysis and Outlook By Application, 2024- 2034 (\$ billion)

8.4 North America Coronary Atherectomy Devices Market Analysis and Outlook By End User, 2024- 2034 (\$ billion)

8.5 North America Coronary Atherectomy Devices Market Analysis and Outlook by Country, 2024- 2034 (\$ billion)

8.5.1 United States Coronary Atherectomy Devices Market Size, Share, Growth Trends and Forecast, 2024- 2034

8.5.1 Canada Coronary Atherectomy Devices Market Size, Share, Growth Trends and Forecast, 2024- 2034

8.5.1 Mexico Coronary Atherectomy Devices Market Size, Share, Growth Trends and Forecast, 2024- 2034

## **9. SOUTH AND CENTRAL AMERICA CORONARY ATHERECTOMY DEVICES MARKET DRIVERS, CHALLENGES, AND FUTURE PROSPECTS**

9.1 Latin America Coronary Atherectomy Devices Market Data, 2025

9.2 Latin America Coronary Atherectomy Devices Market Future By Product, 2024-2034 (\$ billion)

9.3 Latin America Coronary Atherectomy Devices Market Future By Application, 2024-2034 (\$ billion)

9.4 Latin America Coronary Atherectomy Devices Market Future By End User, 2024-2034 (\$ billion)

9.5 Latin America Coronary Atherectomy Devices Market Future by Country, 2024-2034 (\$ billion)

9.5.1 Brazil Coronary Atherectomy Devices Market Size, Share and Opportunities to 2034

9.5.2 Argentina Coronary Atherectomy Devices Market Size, Share and Opportunities to 2034

## **10. MIDDLE EAST AFRICA CORONARY ATHERECTOMY DEVICES MARKET OUTLOOK AND GROWTH PROSPECTS**

10.1 Middle East Africa Overview, 2025

10.2 Middle East Africa Coronary Atherectomy Devices Market Statistics By Product, 2024- 2034 (USD billion)

10.3 Middle East Africa Coronary Atherectomy Devices Market Statistics By Application, 2024- 2034 (USD billion)

10.4 Middle East Africa Coronary Atherectomy Devices Market Statistics By End User, 2024- 2034 (USD billion)

10.5 Middle East Africa Coronary Atherectomy Devices Market Statistics by Country, 2024- 2034 (USD billion)

10.5.1 Middle East Coronary Atherectomy Devices Market Value, Trends, Growth Forecasts to 2034

10.5.2 Africa Coronary Atherectomy Devices Market Value, Trends, Growth Forecasts to 2034

## **11. CORONARY ATHERECTOMY DEVICES MARKET STRUCTURE AND COMPETITIVE LANDSCAPE**

11.1 Key Companies in Coronary Atherectomy Devices Industry

- 11.2 Coronary Atherectomy Devices Business Overview
- 11.3 Coronary Atherectomy Devices Product Portfolio Analysis
- 11.4 Financial Analysis
- 11.5 SWOT Analysis

## **12 APPENDIX**

- 12.1 Global Coronary Atherectomy Devices Market Volume (Tons)
- 12.1 Global Coronary Atherectomy Devices Trade and Price Analysis
- 12.2 Coronary Atherectomy Devices Parent Market and Other Relevant Analysis
- 12.3 Publisher Expertise
- 12.2 Coronary Atherectomy Devices Industry Report Sources and Methodology

## I would like to order

Product name: Coronary Atherectomy Devices Market Outlook 2025-2034: Market Share, and Growth Analysis By Product (Directional Atherectomy Devices, Orbital Atherectomy Devices, Photo-Ablative Atherectomy Devices, Rotational Atherectomy Devices, Other Products), By Application (Peripheral Vascular, Cardiovascular, Neurovascular), By End User

Product link: <https://marketpublishers.com/r/C31687A26AFEEN.html>

Price: US\$ 3,950.00 (Single User License / Electronic Delivery)

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

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/C31687A26AFEEN.html>