

Global Coronary CT-FFR Software Market 2026 by Company, Regions, Type and Application, Forecast to 2032

<https://marketpublishers.com/r/GA282E5BEE1AEN.html>

Date: June 2026

Pages: 139

Price: US\$ 3,480.00 (Single User License)

ID: GA282E5BEE1AEN

Abstracts

According to our (Global Info Research) latest study, the global Coronary CT-FFR Software market size was valued at US\$ 192 million in 2025 and is forecast to a readjusted size of US\$ 314 million by 2032 with a CAGR of 6.7% during review period.

Coronary CT-FFR (Fractional Flow Reserve derived from Computed Tomography) Software is a non-invasive AI-powered medical imaging software that computes fractional flow reserve values from routine coronary CT angiography (CCTA) scans. Using computational fluid dynamics or machine learning algorithms, the software simulates blood flow and pressure gradients across coronary artery stenoses to generate a quantitative FFR value (range 0-1) indicating the hemodynamic significance of a blockage (FFR $\geq$ 0.80 suggests ischemia-causing stenosis). This enables physicians to determine whether a coronary lesion is functionally significant without performing invasive catheterization.

The upstream segment includes AI algorithm developers, computational fluid dynamics engine providers, cloud computing infrastructure, and DICOM image processing toolkits. The midstream segment encompasses software development, regulatory approval (FDA, CE-MDR, NMPA), cloud-based platform deployment, and clinical validation performed by specialized AI medical imaging companies. CT-FFR software is categorized by computational method into CFD-based (computational fluid dynamics, processing time 1-4 hours), reduced-order algorithm (20-30 min), and machine learning-based (real-time); by deployment into cloud-based (HeartFlow, ~1-4 hours) and on-premise workstation (Siemens cFFR, 20 min); by clinical application into lesion-specific FFR, 3D vessel reconstruction and plaque analysis; and by end-user into hospitals, cardiac imaging centers, and outpatient clinics. The downstream segment serves

interventional cardiologists, radiologists, and cardiac surgeons through software licensing, per-analysis fees, or subscription models.

The industry maintains gross margins between 70% and 85%, reflecting the scalable software-as-a-service economics and high-value nature of AI-driven non-invasive diagnostics.

The global coronary CT-FFR software market is experiencing rapid growth, driven by increasing adoption of non-invasive coronary physiology assessment, rising prevalence of coronary artery disease worldwide, and expanding reimbursement coverage across major healthcare systems. Large multicenter trials have demonstrated that CT-FFR can reduce unnecessary invasive catheterizations by up to 30% while improving diagnostic accuracy and lowering overall procedural costs. Consequently, major cardiology societies such as the ACC/AHA have incorporated CT-FFR into guideline recommendations for intermediate-risk coronary lesions.

A notable trend reshaping the market is the shift from CFD-based cloud processing to on-premise machine learning solutions. Traditional CT-FFR (HeartFlow) requires 1-4 hours of cloud-based processing, while newer reduced-order algorithm and machine learning-based solutions (Siemens cFFR, Toshiba CT-FFR) can compute results in 20-30 minutes directly on local workstations. This reduction in turnaround time is enabling same-day results and expanding clinical utility in outpatient settings, driving broader adoption across hospitals without cloud dependencies.

Another significant development is the expansion of FDA-approved clinical indications beyond lesion-specific FFR to include 3D vessel reconstruction, plaque characterization, and per-vessel FFR analysis. HeartFlow's Plaque Analysis received CPT Category I codes in 2024, with CY2026 reimbursement rates set at \$1,021 per analysis, reflecting growing recognition of the clinical value of comprehensive CCTA-based physiological and anatomical assessment. The integration of AI-powered plaque quantification is enabling risk stratification beyond ischemia detection, supporting primary and secondary prevention strategies.

This report is a detailed and comprehensive analysis for global Coronary CT-FFR Software market. Both quantitative and qualitative analyses are presented by company, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some

of the selected leaders for the year 2025, are provided.

Key Features:

Global Coronary CT-FFR Software market size and forecasts, in consumption value (\$ Million), 2021-2032

Global Coronary CT-FFR Software market size and forecasts by region and country, in consumption value (\$ Million), 2021-2032

Global Coronary CT-FFR Software market size and forecasts, by Type and by Application, in consumption value (\$ Million), 2021-2032

Global Coronary CT-FFR Software market shares of main players, in revenue (\$ Million), 2021-2026

The Primary Objectives in This Report Are:

- To determine the size of the total market opportunity of global and key countries

- To assess the growth potential for Coronary CT-FFR Software

- To forecast future growth in each product and end-use market

- To assess competitive factors affecting the marketplace

This report profiles key players in the global Coronary CT-FFR Software market based on the following parameters - company overview, revenue, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include HeartFlow, Inc., Siemens Healthineers, Canon Medical Systems (Toshiba), GE Healthcare, Philips Healthcare, Medtronic plc, Abbott Laboratories, Boston Scientific Corporation, Shenzhen Ruixin Intelligent Medical Technology Co., Ltd., Shenzhen Yueying Technology Co., Ltd., etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Market segmentation

Coronary CT-FFR Software market is split by Type and by Application. For the period 2021-2032, the growth among segments provides accurate calculations and forecasts for Consumption Value by Type and by Application. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

Cloud-Based Platform

On-Premise / Workstation-Based

Hybrid (Cloud + On-Premise)

Market segment by Turnaround Time

Real-Time (

Contents

1 MARKET OVERVIEW

1.1 Product Overview and Scope

1.2 Market Estimation Caveats and Base Year

1.3 Classification of Coronary CT-FFR Software by Type

1.3.1 Overview: Global Coronary CT-FFR Software Market Size by Type: 2021 Versus 2025 Versus 2032

1.3.2 Global Coronary CT-FFR Software Consumption Value Market Share by Type in 2025

1.3.3 Cloud-Based Platform

1.3.4 On-Premise / Workstation-Based

1.3.5 Hybrid (Cloud + On-Premise)

1.4 Classification of Coronary CT-FFR Software by Turnaround Time

1.4.1 Overview: Global Coronary CT-FFR Software Market Size by Turnaround Time: 2021 Versus 2025 Versus 2032

1.4.2 Global Coronary CT-FFR Software Consumption Value Market Share by Turnaround Time in 2025

1.4.3 Real-Time (

List Of Tables

LIST OF TABLES

Table 1. Global Coronary CT-FFR Software Consumption Value by Type, (USD Million), 2021 & 2025 & 2032

Table 2. Global Coronary CT-FFR Software Consumption Value by Turnaround Time, (USD Million), 2021 & 2025 & 2032

Table 3. Global Coronary CT-FFR Software Consumption Value by Pricing Model, (USD Million), 2021 & 2025 & 2032

Table 4. Global Coronary CT-FFR Software Consumption Value by Application, (USD Million), 2021 & 2025 & 2032

Table 5. Global Coronary CT-FFR Software Consumption Value by Region (2021-2026) & (USD Million)

Table 6. Global Coronary CT-FFR Software Consumption Value by Region (2027-2032) & (USD Million)

Table 7. HeartFlow, Inc. Company Information, Head Office, and Major Competitors

Table 8. HeartFlow, Inc. Major Business

Table 9. HeartFlow, Inc. Coronary CT-FFR Software Product and Solutions

Table 10. HeartFlow, Inc. Coronary CT-FFR Software Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 11. HeartFlow, Inc. Recent Developments and Future Plans

Table 12. Siemens Healthineers Company Information, Head Office, and Major Competitors

Table 13. Siemens Healthineers Major Business

Table 14. Siemens Healthineers Coronary CT-FFR Software Product and Solutions

Table 15. Siemens Healthineers Coronary CT-FFR Software Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 16. Siemens Healthineers Recent Developments and Future Plans

Table 17. Canon Medical Systems (Toshiba) Company Information, Head Office, and Major Competitors

Table 18. Canon Medical Systems (Toshiba) Major Business

Table 19. Canon Medical Systems (Toshiba) Coronary CT-FFR Software Product and Solutions

Table 20. Canon Medical Systems (Toshiba) Coronary CT-FFR Software Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 21. GE Healthcare Company Information, Head Office, and Major Competitors

Table 22. GE Healthcare Major Business

Table 23. GE Healthcare Coronary CT-FFR Software Product and Solutions

Table 24. GE Healthcare Coronary CT-FFR Software Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 25. GE Healthcare Recent Developments and Future Plans

Table 26. Philips Healthcare Company Information, Head Office, and Major Competitors

Table 27. Philips Healthcare Major Business

Table 28. Philips Healthcare Coronary CT-FFR Software Product and Solutions

Table 29. Philips Healthcare Coronary CT-FFR Software Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 30. Philips Healthcare Recent Developments and Future Plans

Table 31. Medtronic plc Company Information, Head Office, and Major Competitors

Table 32. Medtronic plc Major Business

Table 33. Medtronic plc Coronary CT-FFR Software Product and Solutions

Table 34. Medtronic plc Coronary CT-FFR Software Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 35. Medtronic plc Recent Developments and Future Plans

Table 36. Abbott Laboratories Company Information, Head Office, and Major Competitors

Table 37. Abbott Laboratories Major Business

Table 38. Abbott Laboratories Coronary CT-FFR Software Product and Solutions

Table 39. Abbott Laboratories Coronary CT-FFR Software Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 40. Abbott Laboratories Recent Developments and Future Plans

Table 41. Boston Scientific Corporation Company Information, Head Office, and Major Competitors

Table 42. Boston Scientific Corporation Major Business

Table 43. Boston Scientific Corporation Coronary CT-FFR Software Product and Solutions

Table 44. Boston Scientific Corporation Coronary CT-FFR Software Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 45. Boston Scientific Corporation Recent Developments and Future Plans

Table 46. Shenzhen Ruixin Intelligent Medical Technology Co., Ltd. Company Information, Head Office, and Major Competitors

Table 47. Shenzhen Ruixin Intelligent Medical Technology Co., Ltd. Major Business

Table 48. Shenzhen Ruixin Intelligent Medical Technology Co., Ltd. Coronary CT-FFR Software Product and Solutions

Table 49. Shenzhen Ruixin Intelligent Medical Technology Co., Ltd. Coronary CT-FFR Software Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 50. Shenzhen Ruixin Intelligent Medical Technology Co., Ltd. Recent Developments and Future Plans

Table 51. Shenzhen Yueying Technology Co., Ltd. Company Information, Head Office, and Major Competitors

Table 52. Shenzhen Yueying Technology Co., Ltd. Major Business

Table 53. Shenzhen Yueying Technology Co., Ltd. Coronary CT-FFR Software Product and Solutions

Table 54. Shenzhen Yueying Technology Co., Ltd. Coronary CT-FFR Software Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 55. Shenzhen Yueying Technology Co., Ltd. Recent Developments and Future Plans

Table 56. Shanghai United Imaging Intelligent Medical Technology Co., Ltd. Company Information, Head Office, and Major Competitors

Table 57. Shanghai United Imaging Intelligent Medical Technology Co., Ltd. Major Business

Table 58. Shanghai United Imaging Intelligent Medical Technology Co., Ltd. Coronary CT-FFR Software Product and Solutions

Table 59. Shanghai United Imaging Intelligent Medical Technology Co., Ltd. Coronary CT-FFR Software Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 60. Shanghai United Imaging Intelligent Medical Technology Co., Ltd. Recent Developments and Future Plans

Table 61. Lepu (Beijing) Medical Equipment Co., Ltd. Company Information, Head Office, and Major Competitors

Table 62. Lepu (Beijing) Medical Equipment Co., Ltd. Major Business

Table 63. Lepu (Beijing) Medical Equipment Co., Ltd. Coronary CT-FFR Software Product and Solutions

Table 64. Lepu (Beijing) Medical Equipment Co., Ltd. Coronary CT-FFR Software Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 65. Lepu (Beijing) Medical Equipment Co., Ltd. Recent Developments and Future Plans

Table 66. Hangzhou Atrui Technology Co., Ltd. Company Information, Head Office, and Major Competitors

Table 67. Hangzhou Atrui Technology Co., Ltd. Major Business

Table 68. Hangzhou Atrui Technology Co., Ltd. Coronary CT-FFR Software Product and Solutions

Table 69. Hangzhou Atrui Technology Co., Ltd. Coronary CT-FFR Software Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 70. Hangzhou Atrui Technology Co., Ltd. Recent Developments and Future Plans

Table 71. Pulse Imaging (Beijing) Medical Diagnostic Technology Co., Ltd. Company Information, Head Office, and Major Competitors

Table 72. Pulse Imaging (Beijing) Medical Diagnostic Technology Co., Ltd. Major

Business

Table 73. Pulse Imaging (Beijing) Medical Diagnostic Technology Co., Ltd. Coronary CT-FFR Software Product and Solutions

Table 74. Pulse Imaging (Beijing) Medical Diagnostic Technology Co., Ltd. Coronary CT-FFR Software Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 75. Pulse Imaging (Beijing) Medical Diagnostic Technology Co., Ltd. Recent Developments and Future Plans

Table 76. Hangzhou Keya Medical Technology Co., Ltd. Company Information, Head Office, and Major Competitors

Table 77. Hangzhou Keya Medical Technology Co., Ltd. Major Business

Table 78. Hangzhou Keya Medical Technology Co., Ltd. Coronary CT-FFR Software Product and Solutions

Table 79. Hangzhou Keya Medical Technology Co., Ltd. Coronary CT-FFR Software Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 80. Hangzhou Keya Medical Technology Co., Ltd. Recent Developments and Future Plans

Table 81. Shanghai Pulse Medical Imaging Technology Co., Ltd. Company Information, Head Office, and Major Competitors

Table 82. Shanghai Pulse Medical Imaging Technology Co., Ltd. Major Business

Table 83. Shanghai Pulse Medical Imaging Technology Co., Ltd. Coronary CT-FFR Software Product and Solutions

Table 84. Shanghai Pulse Medical Imaging Technology Co., Ltd. Coronary CT-FFR Software Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 85. Shanghai Pulse Medical Imaging Technology Co., Ltd. Recent Developments and Future Plans

Table 86. Global Coronary CT-FFR Software Revenue (USD Million) by Players (2021-2026)

Table 87. Global Coronary CT-FFR Software Revenue Share by Players (2021-2026)

Table 88. Breakdown of Coronary CT-FFR Software by Company Type (Tier 1, Tier 2, and Tier 3)

Table 89. Market Position of Players in Coronary CT-FFR Software, (Tier 1, Tier 2, and Tier 3), Based on Revenue in 2025

Table 90. Head Office of Key Coronary CT-FFR Software Players

Table 91. Coronary CT-FFR Software Market: Company Product Type Footprint

Table 92. Coronary CT-FFR Software Market: Company Product Application Footprint

Table 93. Coronary CT-FFR Software New Market Entrants and Barriers to Market Entry

Table 94. Coronary CT-FFR Software Mergers, Acquisition, Agreements, and Collaborations

Table 95. Global Coronary CT-FFR Software Consumption Value (USD Million) by Type (2021-2026)

Table 96. Global Coronary CT-FFR Software Consumption Value Share by Type (2021-2026)

Table 97. Global Coronary CT-FFR Software Consumption Value Forecast by Type (2027-2032)

Table 98. Global Coronary CT-FFR Software Consumption Value by Application (2021-2026)

Table 99. Global Coronary CT-FFR Software Consumption Value Forecast by Application (2027-2032)

Table 100. North America Coronary CT-FFR Software Consumption Value by Type (2021-2026) & (USD Million)

Table 101. North America Coronary CT-FFR Software Consumption Value by Type (2027-2032) & (USD Million)

Table 102. North America Coronary CT-FFR Software Consumption Value by Application (2021-2026) & (USD Million)

Table 103. North America Coronary CT-FFR Software Consumption Value by Application (2027-2032) & (USD Million)

Table 104. North America Coronary CT-FFR Software Consumption Value by Country (2021-2026) & (USD Million)

Table 105. North America Coronary CT-FFR Software Consumption Value by Country (2027-2032) & (USD Million)

Table 106. Europe Coronary CT-FFR Software Consumption Value by Type (2021-2026) & (USD Million)

Table 107. Europe Coronary CT-FFR Software Consumption Value by Type (2027-2032) & (USD Million)

Table 108. Europe Coronary CT-FFR Software Consumption Value by Application (2021-2026) & (USD Million)

Table 109. Europe Coronary CT-FFR Software Consumption Value by Application (2027-2032) & (USD Million)

Table 110. Europe Coronary CT-FFR Software Consumption Value by Country (2021-2026) & (USD Million)

Table 111. Europe Coronary CT-FFR Software Consumption Value by Country (2027-2032) & (USD Million)

Table 112. Asia-Pacific Coronary CT-FFR Software Consumption Value by Type (2021-2026) & (USD Million)

Table 113. Asia-Pacific Coronary CT-FFR Software Consumption Value by Type (2027-2032) & (USD Million)

Table 114. Asia-Pacific Coronary CT-FFR Software Consumption Value by Application

(2021-2026) & (USD Million)

Table 115. Asia-Pacific Coronary CT-FFR Software Consumption Value by Application (2027-2032) & (USD Million)

Table 116. Asia-Pacific Coronary CT-FFR Software Consumption Value by Region (2021-2026) & (USD Million)

Table 117. Asia-Pacific Coronary CT-FFR Software Consumption Value by Region (2027-2032) & (USD Million)

Table 118. South America Coronary CT-FFR Software Consumption Value by Type (2021-2026) & (USD Million)

Table 119. South America Coronary CT-FFR Software Consumption Value by Type (2027-2032) & (USD Million)

Table 120. South America Coronary CT-FFR Software Consumption Value by Application (2021-2026) & (USD Million)

Table 121. South America Coronary CT-FFR Software Consumption Value by Application (2027-2032) & (USD Million)

Table 122. South America Coronary CT-FFR Software Consumption Value by Country (2021-2026) & (USD Million)

Table 123. South America Coronary CT-FFR Software Consumption Value by Country (2027-2032) & (USD Million)

Table 124. Middle East & Africa Coronary CT-FFR Software Consumption Value by Type (2021-2026) & (USD Million)

Table 125. Middle East & Africa Coronary CT-FFR Software Consumption Value by Type (2027-2032) & (USD Million)

Table 126. Middle East & Africa Coronary CT-FFR Software Consumption Value by Application (2021-2026) & (USD Million)

Table 127. Middle East & Africa Coronary CT-FFR Software Consumption Value by Application (2027-2032) & (USD Million)

Table 128. Middle East & Africa Coronary CT-FFR Software Consumption Value by Country (2021-2026) & (USD Million)

Table 129. Middle East & Africa Coronary CT-FFR Software Consumption Value by Country (2027-2032) & (USD Million)

Table 130. Global Key Players of Coronary CT-FFR Software Upstream (Raw Materials)

Table 131. Global Coronary CT-FFR Software Typical Customers

List Of Figures

LIST OF FIGURES

Figure 1. Coronary CT-FFR Software Picture

Figure 2. Global Coronary CT-FFR Software Consumption Value by Type, (USD Million), 2021 & 2025 & 2032

Figure 3. Global Coronary CT-FFR Software Consumption Value Market Share by Type in 2025

Figure 4. Cloud-Based Platform

Figure 5. On-Premise / Workstation-Based

Figure 6. Hybrid (Cloud + On-Premise)

Figure 7. Global Coronary CT-FFR Software Consumption Value by Turnaround Time, (USD Million), 2021 & 2025 & 2032

Figure 8. Global Coronary CT-FFR Software Consumption Value Market Share by Turnaround Time in 2025

Figure 9. Real-Time (

I would like to order

Product name: Global Coronary CT-FFR Software Market 2026 by Company, Regions, Type and Application, Forecast to 2032

Product link: <https://marketpublishers.com/r/GA282E5BEE1AEN.html>

Price: US\$ 3,480.00 (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/GA282E5BEE1AEN.html>