

Cardiac Assist Devices And Equipment Market Outlook 2025-2034: Market Share, and Growth Analysis By Type (Ventricular Assist Devices (LVAD), Intra-Aortic Balloon Pumps, Total Artificial Heart), By Modality (Transcutaneous, Implantable), By Application

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Abstracts

The Cardiac Assist Devices And Equipment Market is valued at USD 3.8 billion in 2025 and is projected to grow at a CAGR of 15.2% to reach USD 13.6 billion by 2034. Cardiac assist devices are mechanical devices designed to help the heart pump blood more effectively in patients with severe heart failure or other cardiac conditions. These devices are typically used as a bridge to heart transplantation, as a short-term support during recovery, or as a long-term therapy for patients who are not transplant candidates. By taking on some or all of the heart's workload, cardiac assist devices improve blood circulation, reduce symptoms, and enhance overall quality of life for patients with advanced heart disease. The market for cardiac assist devices is growing as the prevalence of heart failure increases and more patients require advanced therapeutic solutions. Technological advancements have led to the development of smaller, more efficient devices, making implantation less invasive and improving patient comfort. Additionally, the rise in minimally invasive surgical techniques and the increasing availability of hybrid procedures have expanded the patient population eligible for these devices. Combined with a growing aging population and better diagnosis of cardiac conditions, these factors have propelled the demand for cardiac assist devices. Challenges in the market include the high costs associated with the devices, the complexity of implantation procedures, and the potential for complications such as infections and device thrombosis. Despite these obstacles, continued research and development efforts are focusing on improving device durability, reducing

complications, and expanding indications. As healthcare systems around the world increasingly recognize the value of advanced heart failure therapies, the cardiac assist device market is poised for sustained growth.

Key Insights Cardiac Assist Devices And Equipment Market

- Increasing adoption of less invasive implantation techniques to enhance patient outcomes and reduce recovery times. - Development of next-generation devices with smaller profiles, quieter operation, and improved durability. - Expansion of long-term device indications beyond bridge-to-transplantation, addressing a broader range of heart failure patients. - Growing use of advanced imaging and diagnostic tools to optimize patient selection and device placement. - Integration of digital health technologies for remote monitoring, improving post-implantation management and patient care. - Rising incidence of advanced heart failure and the need for effective long-term treatment options. - Technological advancements in device design, increasing efficiency and reducing complications. - Growing awareness and acceptance of cardiac assist devices among physicians and patients. - Expanding healthcare access in emerging markets, driving demand for advanced cardiac therapies. - High costs of devices and procedures, limiting accessibility for some patient populations. - Complexity of implantation and follow-up care, requiring specialized training and healthcare resources. - Risk of complications such as infections, bleeding, and device malfunctions, necessitating ongoing improvements in device safety and performance.

Cardiac Assist Devices And Equipment Market Segmentation

By Type

Ventricular Assist Devices (LVAD)

Intra-Aortic Balloon Pumps

Total Artificial Heart

By Modality

Transcutaneous

Implantable

By Application

Hospital Pharmacies

Ambulatory Surgical Centres

Emergency Services

Key Companies Analysed

Abbot Laboratories

Berlin Heart GmbH

Abiomed Inc.

Bivacor Pvt Ltd.

Calon Cardio-Technology Ltd.

Cardiobridge GmbH

Balton Sp. Z O.O

Cardiac Assist Inc.

Braile Biomedica Ltd.

Circulite Inc.

Cardiokinetix Inc.

Evaheart Inc.

Fineheart Sarl

Fresenius Medical Care Ag & Co. KGaA

Getinge Ab

GPB Life Science Holdings Llc

Jarvik Heart Inc.

Medtronic plc

OregonHeart

Mitiheart Corporation

Procyrion Inc.

Relianthreat Inc.

Scandinavian Real Heart AB

Senko Medical Instrument Mfg. Co. Ltd.

Syncardia Systems LLC

HeartWare International Inc.

Cardiac Dimensions Inc.

Cardiac Power Innovations

Cardiac Science Corporation

Cardionomic Inc.

Carmat SA

CorWave SA

Edwards Lifesciences Corporation

Leviticus Cardio Ltd.

LivaNova PLC

MicroMed Cardiovascular Inc.

MyoCardioCare Inc.

Novacor SA

Orqis Medical Corporation

Terumo Corporation

Thoratec Corporation

Ventracor Limited

Cardiac Assist Devices And Equipment 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.

Cardiac Assist Devices And Equipment 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 — Cardiac Assist Devices And Equipment market data and outlook to 2034

United States

Canada

Mexico

Europe — Cardiac Assist Devices And Equipment market data and outlook to 2034

Germany

United Kingdom

France

Italy

Spain

BeNeLux

Russia

Sweden

Asia-Pacific — Cardiac Assist Devices And Equipment market data and outlook to 2034

China

Japan

India

South Korea

Australia

Indonesia

Malaysia

Vietnam

Middle East and Africa — Cardiac Assist Devices And Equipment market data and outlook to 2034

Saudi Arabia

South Africa

Iran

UAE

Egypt

South and Central America — Cardiac Assist Devices And Equipment 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 Cardiac Assist Devices And Equipment 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 Cardiac Assist Devices And Equipment 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 Cardiac Assist Devices And Equipment Market Report

Global Cardiac Assist Devices And Equipment market size and growth

projections (CAGR), 2024-2034

Impact of Russia-Ukraine, Israel-Palestine, and Hamas conflicts on Cardiac Assist Devices And Equipment trade, costs, and supply chains

Cardiac Assist Devices And Equipment market size, share, and outlook across 5 regions and 27 countries, 2023-2034

Cardiac Assist Devices And Equipment market size, CAGR, and market share of key products, applications, and end-user verticals, 2023-2034

Short- and long-term Cardiac Assist Devices And Equipment market trends, drivers, restraints, and opportunities

Porter's Five Forces analysis, technological developments, and Cardiac Assist Devices And Equipment supply chain analysis

Cardiac Assist Devices And Equipment trade analysis, Cardiac Assist Devices And Equipment market price analysis, and Cardiac Assist Devices And Equipment supply/demand dynamics

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

Latest Cardiac Assist Devices And Equipment 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*

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