

# **North America Cardiac Surgery Instruments Market, By Product (Forceps, Clamps, Scalpels, Scissors, Needle Holders, Others), By Application (Coronary Artery Bypass Grafting, Heart Valve Surgery, Pediatric Surgery, Heart Transplant, Others), By End User (Hospitals, Ambulatory Surgical Centers), By Country, Competition, Forecast & Opportunities, 2020-2030F**

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## **Abstracts**

### Market Overview

The North America Cardiac Surgery Instruments Market was valued at USD 652.81 million in 2024 and is projected to reach USD 982.49 million by 2030, growing at a CAGR of 7.01% during the forecast period. The market is advancing steadily, propelled by demographic changes, a high incidence of cardiovascular diseases, and continuous innovation in surgical technologies. The United States and Canada dominate the regional landscape, contributing significantly to global cardiac surgical procedures and advanced medical device adoption.

An aging population and rising clinical complexity are intensifying the demand for surgical interventions, while favorable regulatory structures, strong institutional backing, and comprehensive reimbursement policies further drive adoption. Hospitals and healthcare providers are prioritizing investments in next-generation surgical instruments and infrastructure to accommodate increasingly complex cardiac procedures. As the trend moves toward precision and minimally invasive techniques, North America is poised to remain a key growth hub for the cardiac surgery instruments industry.

### Key Market Drivers

## Rising Prevalence of Cardiovascular Diseases (CVDs)

The increasing rate of cardiovascular disease across North America, particularly in the United States and Canada, is a major factor accelerating demand for cardiac surgeries and the associated instruments. In 2022, heart disease was the leading cause of death in the U.S., with 702,880 deaths—accounting for one in every five fatalities. Over 28 million U.S. adults were diagnosed with CVD by 2020, underscoring its widespread public health impact.

Common conditions such as coronary artery disease, heart failure, arrhythmias, and valvular disorders are becoming more prevalent due to risk factors like aging, sedentary behavior, diabetes, obesity, and hypertension. These rising health challenges necessitate advanced surgical interventions and drive demand for reliable, high-precision cardiac surgical instruments used in both traditional and minimally invasive procedures.

## Key Market Challenges

### High Cost of Cardiac Surgical Instruments and Associated Procedures

The high cost of acquiring and maintaining advanced cardiac surgical instruments remains a key challenge in the North America market. Many instruments, particularly those used in robotic and minimally invasive procedures, are crafted from specialized materials and must meet strict quality and regulatory standards—contributing to elevated costs.

Beyond the initial purchase, hospitals must also account for disposable accessories, complex instrument sets, and operating room expenses. When combined with pre- and post-operative care, the total cost of cardiac surgeries becomes prohibitive for underinsured or uninsured populations. These financial constraints may lead some facilities to limit their procurement or defer instrument upgrades, restricting market expansion.

## Key Market Trends

### Rising Demand for Minimally Invasive and Robotic-Assisted Cardiac Surgeries

A key trend shaping the North America cardiac surgery instruments market is the

increasing adoption of minimally invasive and robot-assisted procedures. These surgical approaches offer benefits such as reduced blood loss, smaller incisions, faster recovery, and shorter hospital stays—driving their popularity among both patients and healthcare providers.

This trend is prompting hospitals to upgrade to specialized surgical tools compatible with minimally invasive and robotic platforms. In response, manufacturers are introducing smaller, precision-enhanced instruments and robotic-compatible systems. With platforms like the da Vinci system and upcoming innovations like the SSi Mantra gaining ground in cardiac surgery, demand for adaptable, high-performance instruments is expected to rise further.

### Key Market Players

BD

B. Braun SE

KLS Martin Group

Teleflex Incorporated

Medline Industries, LP

STILLE Surgical Inc

Surgical Holdings

CONMED Corporation

Cardinal Health

### Report Scope:

In this report, the North America Cardiac Surgery Instruments Market has been segmented into the following categories, in addition to the industry trends which have

also been detailed below:

#### North America Cardiac Surgery Instruments Market, By Product:

Forceps

Clamps

Scalpels

Scissors

Needle Holders

Others

#### North America Cardiac Surgery Instruments Market, By Application:

Coronary Artery Bypass Grafting

Heart Valve Surgery

Pediatric Surgery

Heart Transplant

Others

#### North America Cardiac Surgery Instruments Market, By End User:

Hospitals

Ambulatory Surgical Centers

#### North America Cardiac Surgery Instruments Market, By Country:

United States

Canada

Mexico

## Competitive Landscape

**Company Profiles:** Detailed analysis of the major companies present in the North America Cardiac Surgery Instruments Market.

## Available Customizations:

North America Cardiac Surgery Instruments Market report with the given market data, TechSci Research offers customizations according to a company's specific needs. The following customization options are available for the report:

## Company Information

Detailed analysis and profiling of additional market players (up to five).

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