

Imaging Catheters Market Size, Share & Trends Analysis Report By End Use (Hospital, Diagnostic Imaging Center), By Technology (Intravascular Ultrasound Catheters, Angiography Catheters), By Use, By Region, And Segment Forecasts, 2025 - 2030

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Abstracts

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Imaging Catheters Market Size & Trends

The global imaging catheters market size was estimated at USD 1.45 billion in 2024 and is projected t%li%grow at a CAGR of 4.92% from 2025 t%li%2030. This growth is attributed t%li%the rising global burden of cardiovascular diseases, technological advancements such as AI-enhanced and saline-compatible imaging systems, and increasing demand for minimally invasive diagnostics, which are fueling market expansion. Factors such as an aging population, growing healthcare expenditures, and favorable regulatory approvals are expected t%li%fuel market expansion further, making imaging catheters an essential component in modern interventional cardiology and vascular care. According t%li%CDC data published in October 2024, heart disease remains the leading cause of death for men, women, and individuals across most racial and ethnic groups. On average, one person dies from cardiovascular disease every 33 seconds. In 2022, heart disease claimed the lives of 702,880 people, accounting for approximately 1 in every 5 deaths.

Cardiovascular diseases, including coronary artery disease, peripheral artery disease, heart failure, and cerebrovascular disease, require accurate and timely diagnosis for effective treatment. Imaging catheters are critical in diagnosing these conditions by providing real-time, high-resolution images of blood vessels. Techniques such as



angiography, optical coherence tomography, and intravascular ultrasound are commonly used t%li%identify blockages, stenosis, plaques, and other abnormalities in the vascular system. As the prevalence of CVDs rises, the number of diagnostic and interventional procedures increases, directly driving demand for imaging catheters t%li%assist in both diagnosis and treatment. The increasing incidence of CVDs underscores the need for early detection t%li%prevent complications such as heart attacks, strokes, and limb amputations. Imaging catheters, particularly OCT and IVUS, provide detailed images of arterial walls and plaques, allowing for early identification of vulnerable plaques and evaluating arterial health before symptoms arise. Early detection enables timely intervention, vital for improving patient outcomes and reducing the need for more invasive treatments like bypass surgery. This growing focus on early diagnosis and intervention increases the demand for imaging catheters.

Global Imaging Catheters Market Report Segmentation

This report forecasts revenue growth at the global, regional, and country levels and provides an analysis of the latest industry trends in each of the sub-segments from 2018 t%li%2030. For this study, Grand View Research has segmented the global imaging catheters market report based on technology, end use, and region:

Technology Outlook (Revenue, USD Million, 2018 - 2030)

Intravascular Ultrasound (IVUS) Catheters

Optical Coherence Tomography (OCT) Catheters

Angiography Catheters

Electrophysiology (EP) Catheters

Other Imaging Catheters

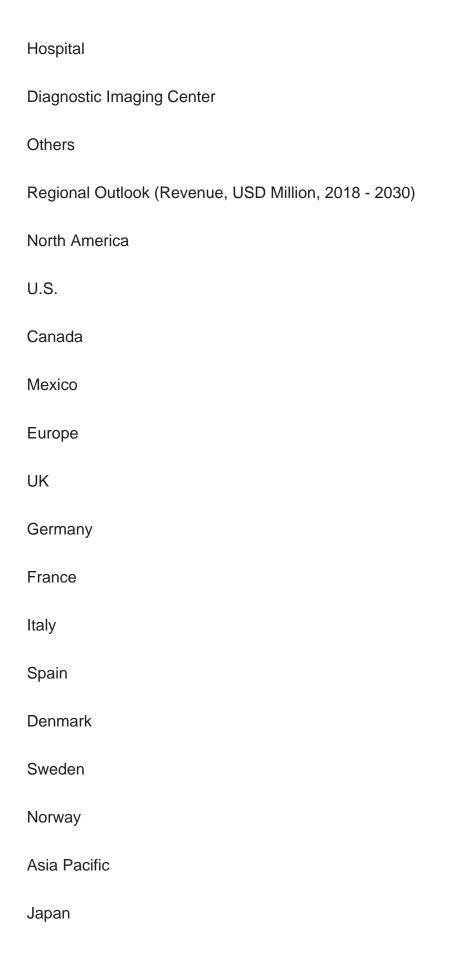
Use Outlook (Revenue, USD Million, 2018 - 2030)

Pre-Intervention Use

Post-Intervention Use

End Use Outlook (Revenue, USD Million, 2018 - 2030)







China
India
Australia
South Korea
Thailand
Latin America
Brazil
Argentina
Middle East & Africa
South Africa
Saudi Arabia
UAE
Kuwait



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