

# **Computer-Aided Detection Market Size, Trends, Analysis, and Outlook By Application (Tuberculosis, Breast cancer, Lung cancer, Colon/rectal cancer, Prostate cancer, Liver cancer, Bone cancer, Neurological/musculoskeletal/cardiovascular Indications), By Indication (X-ray imaging, Computed tomography, Ultrasound imaging, Magnetic resonance imaging, Nuclear medicing imaging, Others), by Region, Country, Segment, and Companies, 2024-2030**

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## **Abstracts**

The global Computer-Aided Detection market size is poised to register 6.57% growth from 2024 to 2030, presenting significant growth prospects for companies operating in the industry. The industry study analyzes the global Computer-Aided Detection market across By Application (Tuberculosis, Breast cancer, Lung cancer, Colon/rectal cancer, Prostate cancer, Liver cancer, Bone cancer, Neurological/musculoskeletal/cardiovascular Indications), By Indication (X-ray imaging, Computed tomography, Ultrasound imaging, Magnetic resonance imaging, Nuclear medicing imaging, Others).

The computer-aided detection (CAD) market is witnessing steady growth due to increasing integration of CAD software into medical imaging systems, advancements in artificial intelligence (AI) algorithms, and rising adoption of CAD solutions for early disease detection and diagnosis in radiology and pathology. Computer-aided detection encompasses software applications and algorithms designed to assist healthcare professionals in interpreting medical images, identifying abnormalities, and detecting potential lesions or anomalies that may require further evaluation or follow-up. With a

focus on diagnostic accuracy and workflow efficiency, radiologists, pathologists, and imaging centers are leveraging CAD systems for mammography, breast imaging, lung cancer screening, and digital pathology to improve detection rates, reduce interpretation errors, and enhance clinical productivity, supporting evidence-based medicine and precision diagnostic imaging practices in healthcare delivery.

## Computer-Aided Detection Market Drivers, Trends, Opportunities, and Growth Opportunities

This comprehensive study discusses the latest trends and the most pressing challenges for industry players and investors. The Computer-Aided Detection market research analyses the global market trends, key drivers, challenges, and opportunities in the industry. In addition, the latest Future of Computer-Aided Detection survey report provides the market size outlook across types, applications, and other segments across the world and regions. It provides data-driven insights and actionable recommendations for companies in the Computer-Aided Detection industry.

## Key market trends defining the global Computer-Aided Detection demand in 2024 and Beyond

The industry continues to remain an attractive hub for opportunities for both domestic and global vendors. As the market evolves, factors such as emerging market dynamics, demand from end-user sectors, a growing patient base, changes in consumption patterns, and widening distribution channels continue to play a major role.

## Computer-Aided Detection Market Segmentation- Industry Share, Market Size, and Outlook to 2030

The Computer-Aided Detection industry comprises a wide range of segments and sub-segments. The rising demand for these product types and applications is supporting companies to increase their investment levels across niche segments. Accordingly, leading companies plan to generate a large share of their future revenue growth from expansion into these niche segments. The report presents the market size outlook across segments to support Computer-Aided Detection companies scaling up production in these sub-segments with a focus on expanding into emerging countries.

## Key strategies adopted by companies within the Computer-Aided Detection industry

Leading Computer-Aided Detection companies are boosting investments to capitalize

on untapped potential and future possibilities across niche market segments and surging demand conditions in key regions. Further, companies are leveraging advanced technologies to unlock opportunities and achieve operational excellence. The report provides key strategies opted for by the top 10 Computer-Aided Detection companies.

### Computer-Aided Detection Market Study- Strategic Analysis Review

The Computer-Aided Detection market research report dives deep into the qualitative factors shaping the market, empowering you to make informed decisions-

**Industry Dynamics:** Porter's Five Forces analysis to understand bargaining power, competitive rivalry, and threats that impact long-term strategy formulation.

**Strategic Insights:** Provides valuable perspectives on key players and their approaches based on comprehensive strategy analysis.

**Internal Strengths and Weaknesses:** Develop targeted strategies to leverage strengths, address weaknesses, and capitalize on market opportunities.

**Future Possibilities:** Prepare for diverse outcomes with in-depth scenario analysis. Explore potential market disruptions, technology advancements, and economic changes.

### Computer-Aided Detection Market Size Outlook- Historic and Forecast Revenue in Three Cases

The Computer-Aided Detection industry report provides a detailed analysis and outlook of revenue generated by companies from 2018 to 2023. Further, with actual data for 2023, the report forecasts the market size outlook from 2024 to 2030 in three case scenarios- low case, reference case, and high case scenarios.

### Computer-Aided Detection Country Analysis and Revenue Outlook to 2030

The report analyses 22 countries worldwide including the key driving forces and market size outlook from 2021 to 2030. In addition, region analysis across Asia Pacific, Europe, the Middle East, Africa, North America, and South America is included in the study. For each of the six regions, the market size outlook by segments is forecast for 2030.

## North America Computer-Aided Detection Market Size Outlook- Companies plan for focused investments in a changing environment

The US continues to remain the market leader in North America, driven by a large consumer base, the presence of well-established providers, and a strong end-user industry demand. Leading companies focus on new product launches in the changing environment. The US economy is expected to grow in 2024 (around 2.2% growth in 2024), potentially driving demand for various Computer-Aided Detection market segments. Similarly, Strong end-user demand is encouraging Canadian Computer-Aided Detection companies to invest in niche segments. Further, as Mexico continues to strengthen its trade relations and invest in technological advancements, the Mexico Computer-Aided Detection market is expected to experience significant expansion, offering lucrative opportunities for both domestic and international stakeholders.

## Europe Computer-Aided Detection Market Size Outlook-Companies investing in assessing consumers, categories, competitors, and capabilities

The German industry remains the major market for companies in the European Computer-Aided Detection industry with consumers in Germany, France, the UK, Spain, Italy, and others anticipated to register a steady demand throughout the forecast period, driving the overall market prospects. In addition, the proactive approach of businesses in identifying and leveraging new growth prospects positions the European Computer-Aided Detection market for an upward trajectory, fostering both domestic and international interest. Leading brands operating in the industry are emphasizing effective marketing strategies, innovative product offerings, and a keen understanding of consumer preferences.

## Asia Pacific Computer-Aided Detection Market Size Outlook- an attractive hub for opportunities for both local and global companies

The increasing prevalence of indications, robust healthcare expenditure, and increasing investments in healthcare infrastructure drive the demand for Computer-Aided Detection in Asia Pacific. In particular, China, India, and South East Asian Computer-Aided Detection markets present a compelling outlook for 2030, acting as a magnet for both domestic and multinational manufacturers seeking growth opportunities. Similarly, with a burgeoning population and a rising middle class, India offers a vast consumer market. Japanese and Korean companies are quickly aligning their strategies to navigate changes, explore new markets, and enhance their competitive edge. Our report utilizes

in-depth interviews with industry experts and comprehensive data analysis to provide a comprehensive outlook of 6 major markets in the region.

**Latin America Computer-Aided Detection Market Size Outlook-** Continued urbanization and rising income levels

Rising income levels contribute to greater purchasing power among consumers, spurring consumption and creating opportunities for market expansion. Continued urbanization and rising income levels are expected to sustainably drive consumption growth in the medium to long term.

**Middle East and Africa Computer-Aided Detection Market Size Outlook-** continues its upward trajectory across segments

Robust demand from Middle Eastern countries including Saudi Arabia, the UAE, Qatar, Kuwait, and other GCC countries supports the overall Middle East Computer-Aided Detection market potential. Fueled by increasing healthcare expenditure of individuals, growing population, and high prevalence across a few markets drives the demand for Computer-Aided Detection.

**Computer-Aided Detection Market Company Profiles**

The global Computer-Aided Detection market is characterized by intense competitive conditions with leading companies opting for aggressive marketing to gain market shares. The report presents business descriptions, SWOT analysis, growth strategies, and financial profiles. Leading companies included in the study are CANON MEDICAL SYSTEMS CORP, Carestream Health, EDDA Technology Inc, ESAOTE SPA, FUJIFILM Holdings Corp, GENERAL ELECTRIC, Hitachi Ltd, Hologic Inc, IBM, iCAD Inc, Karyopharm, Koninklijke Philips N.V, Median Technologies, NANO-X IMAGING LTD, Narayana Hrudayalaya Ltd, Riverain Technologies, Shimadzu Analytical Pvt. Ltd, Siemens

**Recent Computer-Aided Detection Market Developments**

The global Computer-Aided Detection market study presents recent market news and developments including new product launches, mergers, acquisitions, expansions, product approvals, and other updates in the industry.

**Computer-Aided Detection Market Report Scope**

*Computer-Aided Detection Market Size, Trends, Analysis, and Outlook By Application (Tuberculosis, Breast cancer...*

Parameters: Revenue, Volume Price

Study Period: 2023 (Base Year); 2018- 2023 (Historic Period); 2024- 2030 (Forecast Period)

Currency: USD; (Upon request, can be provided in Euro, JPY, GBP, and other Local Currency)

### Qualitative Analysis

Pricing Analysis

Value Chain Analysis

SWOT Profile

Market Dynamics- Trends, Drivers, Challenges

Porter's Five Forces Analysis

Macroeconomic Impact Analysis

Case Scenarios- Low, Base, High

### Market Segmentation:

By Application

Tuberculosis

Breast cancer

Lung cancer

Colon/rectal cancer

Prostate cancer

*Computer-Aided Detection Market Size, Trends, Analysis, and Outlook By Application (Tuberculosis, Breast cance...*

Liver cancer

Bone cancer

Neurological/musculoskeletal/cardiovascular Indications

By Indication

X-ray imaging

Computed tomography

Ultrasound imaging

Magnetic resonance imaging

Nuclear medicing imaging

Others

Geographical Segmentation:

North America (3 markets)

Europe (6 markets)

Asia Pacific (6 markets)

Latin America (3 markets)

Middle East Africa (5 markets)

Companies

CANON MEDICAL SYSTEMS CORP

Carestream Health

EDDA Technology Inc

ESAOTE SPA

FUJIFILM Holdings Corp

GENERAL ELECTRIC

Hitachi Ltd

Hologic Inc

IBM

iCAD Inc

Karyopharm

Koninklijke Philips N.V

Median Technologies

NANO-X IMAGING LTD

Narayana Hrudayalaya Ltd

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Carestream Health

EDDA Technology Inc

ESAOTE SPA

FUJIFILM Holdings Corp

GENERAL ELECTRIC

Hitachi Ltd

Hologic Inc

IBM

iCAD Inc

Karyopharm

Koninklijke Philips N.V

Median Technologies

NANO-X IMAGING LTD

Narayana Hrudayalaya Ltd

Riverain Technologies

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Siemens

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