

North America CT Scanner Market Size and Forecast (2021 - 2031)

<https://marketpublishers.com/r/N43A9CB0B662EN.html>

Date: April 2026

Pages: 205

Price: US\$ 3,450.00 (Single User License)

ID: N43A9CB0B662EN

Abstracts

The North America CT Scanner Market is projected to grow significantly, reaching an estimated US\$ 4,101.1 million by 2031, up from US\$ 2,959.0 million in 2024. This growth represents a compound annual growth rate (CAGR) of 4.9% from 2025 to 2031.

Executive Summary and Market Analysis

North America is at the forefront of the global CT scanner market, primarily due to its advanced healthcare infrastructure, substantial healthcare spending, and supportive regulatory frameworks. The United States, in particular, benefits from favorable reimbursement policies that encourage the adoption of advanced diagnostic imaging technologies, including coronary CT angiography. Hospitals, outpatient clinics, and diagnostic imaging centers are making significant investments in high-slice, dual-energy, and photon-counting CT systems. These investments aim to enhance diagnostic accuracy, minimize radiation exposure, and improve workflow efficiency.

The increasing prevalence of chronic diseases such as cancer, cardiovascular disorders, and pulmonary conditions is driving a sustained demand for CT imaging services, especially among the aging population. Additionally, there is a growing trend towards the integration of artificial intelligence (AI) in CT systems, which offers features like automated image reconstruction, low-dose optimization, and predictive maintenance. The presence of major market players such as GE Healthcare, Siemens Healthineers, and Philips, supported by robust research and development budgets and government innovation grants, fosters a highly competitive and technologically advanced market.

Regulatory agencies, including the FDA, play a crucial role in shaping the market by

approving next-generation devices and establishing safety and radiation guidelines. The relatively short replacement cycles of CT scanners and the increasing focus on enterprise-level imaging solutions, particularly within integrated healthcare networks, contribute to ongoing demand for upgrades and new installations. Overall, the North American CT scanner market is characterized by high technological adoption, favorable reimbursement dynamics, strong disease prevalence, and a proactive regulatory environment, making it a mature yet innovation-driven market with stable long-term growth potential.

Strategic Insights

Market Segmentation Analysis

The North America CT Scanner Market can be segmented based on various criteria:

By Type: The market is divided into Stationary CT Scanners and Portable CT Scanners, with Stationary CT Scanners dominating in 2024.

By Architecture: The segmentation includes C-arm CT Scanners and O-arm CT Scanners, where C-arm CT Scanners led the market in 2024.

By Technology: This includes High Slice CT, Mid-size CT, Low Slice CT, and Cone Beam CT, with High Slice CT being the market leader in 2024.

By Application: The market is segmented into Neurology, Oncology, Orthopedics, and Others, with Neurology taking the lead in 2024.

By End User: The segments include Hospitals, Diagnostic Centers, Veterinary Clinics, and Research Labs, with Hospitals being the dominant end user in 2024.

Market Outlook

Artificial Intelligence (AI) is rapidly transforming the CT scanner landscape, with workflow automation emerging as a key trend across the imaging ecosystem. AI is being integrated at multiple stages of the CT imaging process, from protocol selection and scan positioning to image reconstruction and post-processing. This automation significantly enhances operational efficiency, reduces scan times, and minimizes the

need for technician intervention. AI also facilitates real-time triage, alerting radiologists to critical findings such as strokes or internal bleeding, thereby expediting emergency care.

Moreover, AI-assisted quality control ensures that scans are consistently optimized for diagnostic accuracy, even in high-throughput environments. For radiology departments facing increasing case volumes and staffing challenges, AI-enabled CT systems offer a solution to improve turnaround times without sacrificing quality. Vendors are differentiating themselves based on the sophistication of their AI platforms, which include features like predictive analytics for system maintenance and cloud-based data sharing for tele-radiology.

As the healthcare industry shifts towards precision medicine and outcome-based reimbursement, AI-driven workflow automation is becoming essential in the design, marketing, and deployment of CT scanners.

Country Insights

The North America CT Scanner Market is segmented by country into the United States, Canada, and Mexico, with the United States holding the largest market share in 2024. The US market is characterized by advanced healthcare infrastructure, high per capita healthcare spending, and robust demand for diagnostic imaging. The presence of leading medical device manufacturers, such as GE Healthcare, Siemens Healthineers, and Philips, enhances domestic innovation and distribution capabilities.

Regulatory support from the FDA ensures product quality and encourages continuous technological advancement, including the integration of AI and low-dose imaging. The aging population and the rising incidence of chronic diseases, particularly cardiovascular and oncological conditions, are increasing the need for early diagnosis and follow-up imaging, further fueling market growth. However, high equipment costs and reimbursement complexities may challenge wider adoption, especially in rural or underfunded healthcare settings. Nevertheless, the US market remains a benchmark for innovation and adoption, influencing global trends in CT scanner utilization and technology development.

Company Profiles

Key players in the North America CT Scanner Market include Medtronic Plc, Koninklijke Philips NV, GE HealthCare Technologies Inc, PLANMED OY, Canon Medical Systems

Corp, Accuray Incorporated, Neusoft Medical Systems, Siemens Healthineers AG, Hitachi High-Tech Corp, and Shanghai United Imaging Healthcare Co., LTD. These companies are employing various strategies such as expansion, product innovation, and mergers and acquisitions to enhance their market presence and offer innovative products to consumers.

Contents

1. INTRODUCTION

- 1.1 Report Guidance
- 1.2 Market Segmentation

2. EXECUTIVE SUMMARY

- 2.1 Key Insights
- 2.2 Market Attractiveness

3. RESEARCH METHODOLOGY

- 3.1 Secondary Research
- 3.2 Primary Research
 - 3.2.1 Hypothesis formulation:
 - 3.2.2 Macroeconomic factor analysis:
 - 3.2.3 Developing base number:
 - 3.2.4 Data Triangulation:
 - 3.2.5 Country-level data:

4. CT SCANNER MARKET LANDSCAPE

- 4.1 Market Overview
- 4.2 PEST Analysis
- 4.3 Ecosystem Analysis
 - 4.3.1 Manufacturers/OEMs
 - 4.3.2 Distribution and Channel Partners
 - 4.3.3 Regulatory Bodies and Certification
 - 4.3.4 End Users
 - 4.3.5 List of Vendors in the Value Chain

5. NORTH AMERICA CT SCANNER MARKET - KEY MARKET DYNAMICS

- 5.1 Market Drivers
- 5.2 Market Restraints
- 5.3 Market Opportunities
- 5.4 Future Trends

5.5 Impact of Drivers and Restraints:

6. CT SCANNER MARKET - NORTH AMERICA MARKET ANALYSIS

6.1 North America CT Scanner Market Revenue (US\$ Million), 2024 - 2031

6.2 North America CT Scanner Market Forecast and Analysis

7. NORTH AMERICA CT SCANNER MARKET REVENUE ANALYSIS - BY TYPE

7.1 Stationary CT Scanners

7.1.1 Overview

7.1.2 Stationary CT Scanners: North America CT Scanner Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)

7.2 Portable CT Scanners

7.2.1 Overview

7.2.2 Portable CT Scanners: North America CT Scanner Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)

8. NORTH AMERICA CT SCANNER MARKET REVENUE ANALYSIS - BY ARCHITECTURE

8.1 C-arm CT Scanners

8.1.1 Overview

8.1.2 C-arm CT Scanners: North America CT Scanner Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)

8.2 O-arm CT Scanners

8.2.1 Overview

8.2.2 O-arm CT Scanners: North America CT Scanner Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)

9. NORTH AMERICA CT SCANNER MARKET REVENUE ANALYSIS - BY TECHNOLOGY

9.1 High Slice CT

9.1.1 Overview

9.1.2 High Slice CT: North America CT Scanner Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)

9.2 Mid size CT

9.2.1 Overview

9.2.2 Mid size CT: North America CT Scanner Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)

9.3 Low Slice CT

9.3.1 Overview

9.3.2 Low Slice CT: North America CT Scanner Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)

9.4 Cone Beam CT

9.4.1 Overview

9.4.2 Cone Beam CT: North America CT Scanner Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)

10. NORTH AMERICA CT SCANNER MARKET REVENUE ANALYSIS - BY APPLICATION

10.1 Neurology

10.1.1 Overview

10.1.2 Neurology: North America CT Scanner Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)

10.2 Oncology

10.2.1 Overview

10.2.2 Oncology: North America CT Scanner Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)

10.3 Orthopedics

10.3.1 Overview

10.3.2 Orthopedics: North America CT Scanner Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)

10.4 Others

10.4.1 Overview

10.4.2 Others: North America CT Scanner Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)

11. NORTH AMERICA CT SCANNER MARKET REVENUE ANALYSIS - BY END USER

11.1 Hospitals

11.1.1 Overview

11.1.2 Hospitals: North America CT Scanner Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)

11.2 Diagnostic Centers

11.2.1 Overview

11.2.2 Diagnostic Centers: North America CT Scanner Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)

11.3 Veterinary Clinics

11.3.1 Overview

11.3.2 Veterinary Clinics: North America CT Scanner Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)

11.4 Research Lab

11.4.1 Overview

11.4.2 Research Lab: North America CT Scanner Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)

12. NORTH AMERICA CT SCANNER MARKET - COUNTRY ANALYSIS

12.1 North America

12.1.1 North America CT Scanner Market Revenue and Forecast and Analysis - by Country

12.1.1.1 North America CT Scanner Market Revenue and Forecast and Analysis - by Country

12.1.2.2 United States: North America CT Scanner Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)

12.1.2.2.1 United States: North America CT Scanner Market Share - by Type

12.1.2.2.2 United States: North America CT Scanner Market Share - by Architecture

12.1.2.2.3 United States: North America CT Scanner Market Share - by Technology

12.1.2.2.4 United States: North America CT Scanner Market Share - by Application

12.1.2.2.5 United States: North America CT Scanner Market Share - by End User

12.2.3.3 Canada: North America CT Scanner Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)

12.2.3.3.1 Canada: North America CT Scanner Market Share - by Type

12.2.3.3.2 Canada: North America CT Scanner Market Share - by Architecture

12.2.3.3.3 Canada: North America CT Scanner Market Share - by Technology

12.2.3.3.4 Canada: North America CT Scanner Market Share - by Application

12.2.3.3.5 Canada: North America CT Scanner Market Share - by End User

12.3.4.4 Mexico: North America CT Scanner Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)

12.3.4.4.1 Mexico: North America CT Scanner Market Share - by Type

12.3.4.4.2 Mexico: North America CT Scanner Market Share - by Architecture

12.3.4.4.3 Mexico: North America CT Scanner Market Share - by Technology

12.3.4.4.4 Mexico: North America CT Scanner Market Share - by Application

12.3.4.4.5 Mexico: North America CT Scanner Market Share - by End User

13 COMPETITIVE LANDSCAPE

13.1 Heat Map Analysis by Key Players

13.2 Company Market Share Analysis, 2024

14 INDUSTRY LANDSCAPE

14.1 Overview

14.2 New Product Development

14.3 Merger and Acquisition

14.4 Other Strategic Developments

15 COMPANY PROFILES

15.1 Medtronic Plc

15.1.1 Key Facts

15.1.2 Business Description

15.1.3 Products and Services

15.1.4 Financial Overview

15.1.5 SWOT Analysis

15.1.6 Key Developments

15.2 Koninklijke Philips NV

15.2.1 Key Facts

15.2.2 Business Description

15.2.3 Products and Services

15.2.4 Financial Overview

15.2.5 SWOT Analysis

15.2.6 Key Developments

15.3 GE HealthCare Technologies Inc

15.3.1 Key Facts

15.3.2 Business Description

15.3.3 Products and Services

15.3.4 Financial Overview

15.3.5 SWOT Analysis

15.3.6 Key Developments

15.4 PLANMED OY

15.4.1 Key Facts

- 15.4.2 Business Description
- 15.4.3 Products and Services
- 15.4.4 Financial Overview
- 15.4.5 SWOT Analysis
- 15.4.6 Key Developments
- 15.5 Canon Medical Systems Corp
 - 15.5.1 Key Facts
 - 15.5.2 Business Description
 - 15.5.3 Products and Services
 - 15.5.4 Financial Overview
 - 15.5.5 SWOT Analysis
 - 15.5.6 Key Developments
- 15.6 Accuray Incorporated
 - 15.6.1 Key Facts
 - 15.6.2 Business Description
 - 15.6.3 Products and Services
 - 15.6.4 Financial Overview
 - 15.6.5 SWOT Analysis
 - 15.6.6 Key Developments
- 15.7 Neusoft Medical Systems
 - 15.7.1 Key Facts
 - 15.7.2 Business Description
 - 15.7.3 Products and Services
 - 15.7.4 Financial Overview
 - 15.7.5 SWOT Analysis
 - 15.7.6 Key Developments
- 15.8 Siemens Healthineers AG
 - 15.8.1 Key Facts
 - 15.8.2 Business Description
 - 15.8.3 Products and Services
 - 15.8.4 Financial Overview
 - 15.8.5 SWOT Analysis
 - 15.8.6 Key Developments
- 15.9 Hitachi High-Tech Corp
 - 15.9.1 Key Facts
 - 15.9.2 Business Description
 - 15.9.3 Products and Services
 - 15.9.4 Financial Overview
 - 15.9.5 SWOT Analysis

15.9.6 Key Developments

15.10 Shanghai United Imaging Healthcare Co., LTD

15.10.1 Key Facts

15.10.2 Business Description

15.10.3 Products and Services

15.10.4 Financial Overview

15.10.5 SWOT Analysis

15.10.6 Key Developments

16. APPENDIX

16.1 About The Insight Partners

List Of Tables

LIST OF TABLES

Table 1. North America CT Scanner Market Segmentation

Table 2. List of Vendors

Table 3. North America CT Scanner Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)

Table 4. North America CT Scanner Market - Revenue and Forecast, 2021 - 2031 (US\$ Million) - by Type

Table 5. North America CT Scanner Market - Revenue and Forecast, 2021 - 2031 (US\$ Million) - by Architecture

Table 6. North America CT Scanner Market - Revenue and Forecast, 2021 - 2031 (US\$ Million) - by Technology

Table 7. North America CT Scanner Market - Revenue and Forecast, 2021 - 2031 (US\$ Million) - by Application

Table 8. North America CT Scanner Market - Revenue and Forecast, 2021 - 2031 (US\$ Million) - by End User

Table 9. North America CT Scanner Market - Revenue and Forecast, 2021 - 2031 (US\$ Million) - by Country

Table 10. United States: North America CT Scanner Market - Revenue and Forecast, 2021 - 2031 (US\$ Million) - by Type

Table 11. United States: North America CT Scanner Market - Revenue and Forecast, 2021 - 2031 (US\$ Million) - by Architecture

Table 12. United States: North America CT Scanner Market - Revenue and Forecast, 2021 - 2031 (US\$ Million) - by Technology

Table 13. United States: North America CT Scanner Market - Revenue and Forecast, 2021 - 2031 (US\$ Million) - by Application

Table 14. United States: North America CT Scanner Market - Revenue and Forecast, 2021 - 2031 (US\$ Million) - by End User

Table 15. Canada: North America CT Scanner Market - Revenue and Forecast, 2021 - 2031 (US\$ Million) - by Type

Table 16. Canada: North America CT Scanner Market - Revenue and Forecast, 2021 - 2031 (US\$ Million) - by Architecture

Table 17. Canada: North America CT Scanner Market - Revenue and Forecast, 2021 - 2031 (US\$ Million) - by Technology

Table 18. Canada: North America CT Scanner Market - Revenue and Forecast, 2021 - 2031 (US\$ Million) - by Application

Table 19. Canada: North America CT Scanner Market - Revenue and Forecast, 2021 - 2031 (US\$ Million) - by End User

Table 20. Mexico: North America CT Scanner Market - Revenue and Forecast, 2021 - 2031 (US\$ Million) - by Type

Table 21. Mexico: North America CT Scanner Market - Revenue and Forecast, 2021 - 2031 (US\$ Million) - by Architecture

Table 22. Mexico: North America CT Scanner Market - Revenue and Forecast, 2021 - 2031 (US\$ Million) - by Technology

Table 23. Mexico: North America CT Scanner Market - Revenue and Forecast, 2021 - 2031 (US\$ Million) - by Application

Table 24. Mexico: North America CT Scanner Market - Revenue and Forecast, 2021 - 2031 (US\$ Million) - by End User

Table 25. Heat Map Analysis by Key Players

List Of Figures

LIST OF FIGURES

- Figure 1. North America CT Scanner Market Segmentation - Country
- Figure 2. PEST Analysis
- Figure 3. Ecosystem: CT Scanner Market
- Figure 4. North America CT Scanner Market - Key Market Dynamics
- Figure 5. Impact Analysis of Drivers and Restraints
- Figure 6. North America CT Scanner Market Revenue (US\$ Million), 2024 - 2031
- Figure 7. North America CT Scanner Market Share (%) - by Type, 2024 and 2031
- Figure 8. Stationary CT Scanners: North America CT Scanner Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)
- Figure 9. Portable CT Scanners: North America CT Scanner Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)
- Figure 10. North America CT Scanner Market Share (%) - by Architecture, 2024 and 2031
- Figure 11. C-arm CT Scanners: North America CT Scanner Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)
- Figure 12. O-arm CT Scanners: North America CT Scanner Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)
- Figure 13. North America CT Scanner Market Share (%) - by Technology, 2024 and 2031
- Figure 14. High Slice CT: North America CT Scanner Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)
- Figure 15. Mid size CT: North America CT Scanner Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)
- Figure 16. Low Slice CT: North America CT Scanner Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)
- Figure 17. Cone Beam CT: North America CT Scanner Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)
- Figure 18. North America CT Scanner Market Share (%) - by Application, 2024 and 2031
- Figure 19. Neurology: North America CT Scanner Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)
- Figure 20. Oncology: North America CT Scanner Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)
- Figure 21. Orthopedics: North America CT Scanner Market - Revenue and Forecast,

2021 - 2031 (US\$ Million)

Figure 22. Others: North America CT Scanner Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)

Figure 23. North America CT Scanner Market Share (%) - by End User, 2024 and 2031

Figure 24. Hospitals: North America CT Scanner Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)

Figure 25. Diagnostic Centers: North America CT Scanner Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)

Figure 26. Veterinary Clinics: North America CT Scanner Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)

Figure 27. Research Lab: North America CT Scanner Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)

Figure 28. North America CT Scanner Market Breakdown by Key Countries, 2024 and 2031 (%)

Figure 29. United States: North America CT Scanner Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)

Figure 30. Canada: North America CT Scanner Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)

Figure 31. Mexico: North America CT Scanner Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)

Figure 32. Company Market Share Analysis, 2024

I would like to order

Product name: North America CT Scanner Market Size and Forecast (2021 - 2031)

Product link: <https://marketpublishers.com/r/N43A9CB0B662EN.html>

Price: US\$ 3,450.00 (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/N43A9CB0B662EN.html>