

# Computed Tomography (CT) Systems: Global Market Outlook 2012-2022

https://marketpublishers.com/r/CB6EAB41DB8EN.html

Date: April 2012

Pages: 117

Price: US\$ 2,635.00 (Single User License)

ID: CB6EAB41DB8EN

## **Abstracts**

#### **Report Details**

Our new report Computed Tomography (CT) Systems: Global Market Outlook 2012-2022 covers the trends in the CT systems market, a promising segment of the diagnostic imaging industry. In addition to the CT, the diagnostic imaging industry comprises of technology such as the magnetic resonance imaging (MRI) scans, X-ray, ultrasound and nuclear medicine. Computed Tomography (CT) segment is expected to witness growth driven by the advances in technology and increasing global prevalence of diseases such as cancer. According to our latest pharma report - the global CT systems market will be worth \$8.6bn by 2022.

Computed Tomography (CT) Systems: Global Market Outlook 2012-2022 report forecasts the size and value of leading national/regional markets including the US, Europe, Japan, India and China. For each of these, visiongain identifies prevailing trends and strategies that will steer this diagnostic technology over the forecast period. Despite the global recession, which has led to financial cuts in the healthcare sector in many countries, the CT market remains solid with strong opportunities especially in emerging countries such as India and China. The market will be driven by primarily by the emerging BRIC economies. China and India will see the most significant growth over the forecast period. Entry level CT scanners will drive the market in the early part of the decade in the BRIC economies. In response to patient demand, hospitals and healthcare care providers around the world are upgrading their older equipment with state of the art systems. Growth in the more advanced high-slice CT scanners will significantly outpace the lower entry-level end of the market.

The continued rise in the aging population, coupled with the subsequent rise in the



incidence of cancer, cardiovascular and neurological diseases, has fuelled strong demand for highly advanced medical and diagnostic imaging equipment. The CT scanner market has seen slow growth in recent years and is only now beginning to expand. Multimodality imaging and dose reduction will both contribute significantly to growth. Over the course of the next decade there will be greater demand for CT scanners as the technology becomes more advanced and safer for the patients.

Computed Tomography (CT) Systems: Global Market Outlook 2012-2022 also examines the challenges facing the sector critically, including the high cost and safety issues. The report is developed through a comprehensive review of information sources, both primary and secondary. In our report you find sales forecasts, growth rates and market shares. You also receive qualitative analyses and a review of companies and leading products.

Why you should buy Computed Tomography (CT) Systems: Global Market Outlook 2012-2022

In this report, you will receive the following benefits in particular:

You will receive our assessment of the current market for CT systems, with respect to the leading segments, companies and national markets

You will discover sales trends for the overall CT systems market from 2011 to 2022 - seeing where commercial growth will occur

You will discover sales trends for the main segments - high slice and medium/low slice CT scanner - from 2011 to 2022, with detailed discussions of market potential

You will receive sales forecasts for leading national/regional markets (US, Europe, Japan, India and China), with informed discussion

You will assess leading manufacturers and products in the CT systems market, with information on the pipeline products

You will examine the strengths, weaknesses, opportunities and threats (SWOT analysis) facing the CT systems market from 2012 onwards



You will be able to investigate competition and opportunities influencing the CT technology from 2012 onwards

You will see what will stimulate and restrain the market from 2012

You will discover the unmet needs in the market, driving the growth from 2012 onwards.

## You can order this report today

Anybody with an interest in the CT systems market should gain valuable information and insight from this new study by Visiongain, which analyses one of the most important sub-sector of the diagnostic imaging industry. You can stay ahead by ordering this report today.

Visiongain is a trading partner with the US Federal Government CCR Ref number: KD4R6



## **Contents**

#### 1. EXECUTIVE SUMMARY

- 1.1 Computed Tomography (CT) Systems Market Overview
- 1.2 Chapter Overview
- 1.3 Research and Analysis Method
- 1.4 Glossary of Terms Relating to Computed Tomography Systems

## 2. INTRODUCTION: COMPUTED TOMOGRAPHY (CT) SYSTEMS

- 2.1 What is a Computed Tomography System?
  - 2.1.1 History of CT Systems
- 2.2 How does a CT Scanner Work?
- 2.3 Types of CT Scanners
  - 2.3.1 High Slice CT Scanners
  - 2.3.2 Medium/Low Slice CT Scanners
- 2.4 Clinical Settings Where CT Scans Are Used
  - 2.4.1 Diagnostic Uses of CT Scans
  - 2.4.2 Problems with CT Scans
- 2.5 Advantages and Disadvantages of CT Scans
  - 2.5.1 Radiation Associated With CT Scans
- 2.6 The Global Imaging Market, 2010
  - 2.6.1 The Global Imaging Market by Segment, 2010
  - 2.6.2 The Global Imaging Market, Regional Breakdown, 2010
- 2.7 Regulation of the CT Systems Market
  - 2.7.1 Regulation of CT Systems in the US
  - 2.7.2 Regulation of CT Devices in the EU
    - 2.7.2.1 Post Marketing Surveillance in the EU
- 2.8 CT Scanners Market Definition

#### 3. THE GLOBAL CT SYSTEMS MARKET, 2010-2022

- 3.1 The Global CT Market Overview
- 3.2 The CT Scanner Market by Segment and Region, 2010
  - 3.2.1 The CT Scanner Market by Segment, 2010
  - 3.2.2 The Global CT Scanner Market: Regional Breakdown, 2010
    - 3.2.2.1 The US Market, 2010
    - 3.2.2.2 The EU Market, 2010



- 3.2.2.3 The Japanese Market, 2010
- 3.2.2.4 The Chinese Market, 2010
- 3.2.2.5 The Indian Market, 2010
- 3.2.3 Japan Leads by CT Scanners Per Person
- 3.3 The CT Systems Global Market Forecast, 2011-2022
  - 3.3.1 The CT Scanner Market Forecast, 2011-2016
  - 3.3.2 The CT Scanner Market Forecast, 2016-2022
- 3.4 The CT Scanner Market Forecasts by Region, 2011-2022
  - 3.4.1 The US, EU and Japanese Market Forecasts, 2011-2022
    - 3.4.1.1 The US Market Forecast, 2011-2022
    - 3.4.1.2 The EU Market Forecast, 2011-2022
    - 3.4.1.3 The Japanese Market, 2011-2022
  - 3.4.2 The Chinese and Indian Markets, 2011-2022
    - 3.4.2.1 The Chinese Market, 2011-2022
    - 3.4.2.2 The Indian Market, 2011-2022
- 3.5 The CT Scanner Market Forecast by Segment, 2011-2022
  - 3.5.1 The CT Scanner Market by Segment, 2011-2016
  - 3.5.2 The CT Scanner Market by Segment, 2016-2022
- 3.6 Concluding Remarks

#### 4. LEADING PRODUCTS IN THE CT SCANNERS MARKET

- 4.1 GE Dominate the Global CT Scanner Market
- 4.2 Leading Products Offered by GE, Siemens, Philips and Toshiba
- 4.3 GE Healthcare
  - 4.3.1 Discovery CT750 HD
  - 4.3.2 LightSpeed VCT
  - 4.3.3 Optima CT Scanners
  - 4.3.4 BrightSpeed Elite
  - 4.3.5 Brivo CT 325
- 4.4 Philips Healthcare 80
  - 4.4.1 Brilliance iCT
  - 4.4.2 Ingenuity CT
  - 4.4.3 MX CT
- 4.5 Siemens Healthcare
  - 4.5.1 SOMATOM Definition
  - 4.5.2 SOMATOM Perspective
  - 4.5.3 SOMATOM Emotion
  - 4.5.4 SOMATOM Spirit



- 4.5.5 SOMATOM Sensation Open
- 4.6 Toshiba Medical Systems
  - 4.6.1 Aquilion ONE
  - 4.6.2 Aquilion Premium
  - 4.6.3 Aquilion PRIME
  - 4.6.4 Aquilion CX
- 4.7 Other Products in the CT Scanner Market
- 4.8 The Future of CT Scanners
  - 4.8.1 Multimodality Devices
  - 4.8.2 Portable CT Scanners
- 4.8.3 Interior Tomography

#### 5. TRENDS IN THE CT INDUSTRY

- 5.1 Falling Device and Procedural Costs
  - 5.1.1 Falling Procedural Costs
- 5.2 Move Away From Single/Low Slice Scanner to Medium/High Slice Scanners
- 5.3 Developing Economies Will Drive Growth
- 5.4 Hybrid Imaging Machines Will Become Increasingly Prevalent
  - 5.4.1 PET/CT
  - 5.4.2 SPECT/CT
- 5.5 Reduction in Exposure to Radiation
- 5.6 Other Uses and Therapy Options for CT Scans
- 5.7 Drivers and Restraints in the CT Scanner Market
- 5.8 Concluding Remarks

#### 6. SWOT ANALYSIS OF THE CT SCANNER MARKET

- 6.1 Strengths
  - 6.1.1 CT Scan is a Well Established Technology
  - 6.1.2 Provides Clear Images of Organs
  - 6.1.3 Shorter Scanning Time Than Other Major Imaging Techniques
- 6.2 Weaknesses
  - 6.2.1 Exposure to Radiation May Lead to Cancer
  - 6.2.2 Longevity of Devices
  - 6.2.3 Rentals (Mobile) and Refurbished CT Scanner Markets Will Dent New Sales
- 6.3 Opportunities
  - 6.3.1 Multimodality Imaging
  - 6.3.2 Emerging Markets Offer Significant Growth Potential



- 6.3.3 Increasing Use of CT Scanners As A Treatment Method
- 6.4 Threats
  - 6.4.1 Policy Changes In The US Threaten to Restrain Growth
  - 6.4.2 Safety Concerns Will Continue to Restrain The Market
  - 6.4.3 Only a Small Number of Companies Operate in The Largest Market

#### 7. LEADING COMPANIES IN THE CT SCANNER MARKET

- 7.1 Siemens Healthcare
  - 7.1.1 Siemens Financials, 2010 and 2011
  - 7.1.2 Siemens Healthcare Imaging Division
  - 7.1.2.1 Siemens Healthcare Imaging Division Highlights
  - 7.1.3 Siemens Healthcare in Emerging Economies
- 7.2 Philips Healthcare
  - 7.2.1 Philips Financials
  - 7.2.2 Philips Healthcare Imaging Division
    - 7.2.2.1 Philips Healthcare Imaging Pipeline
  - 7.2.3 Philips Healthcare in Emerging Economies
- 7.3 GE Healthcare
  - 7.3.1 GE Healthcare Financials
  - 7.3.1.1 Technology Sector
  - 7.3.2 GE Global Research
- 7.4 Toshiba Medical
  - 7.4.1 Toshiba Financials
  - 7.4.2 Social Infrastructure Segment
    - 7.4.2.1 Toshiba Medical Systems Corporation
- 7.5 Other Companies in the CT Market

#### 8. COMPETING TECHNOLOGY

- 8.1 Magnetic Resonance Imaging (MRI)
  - 8.1.1 Leading Products in The MRI Market, 2012
  - 8.1.2 The MRI Market, 2010
- 8.2 Diagnostic X-Rays
  - 8.2.1 Leading Products in the X-Ray Market, 2012
  - 8.2.2 The X-Ray Market, 2012
- 8.3 Diagnostic Nuclear Medicine
  - 8.3.1 PET (Positron Emission Tomography)
  - 8.3.2 SPECT (Single Photon Emission Computed Tomography)



- 8.3.3 Leading Products in The Diagnostic Nuclear Medicine Market
- 8.3.4 The Diagnostic Nuclear Medicine Market, 2012

## 9. CONCLUSIONS

- 9.1 China & India Will Help Drive The Market
- 9.2 Increasing Use of Multimodality Imaging Scanners
- 9.3 Move From Single/Low Slice Scanners to High Slice Scanners

Appendix A

Appendix B

Visiongain report evaluation form



## **List Of Tables**

#### LIST OF TABLES

- Table 2.1 The Use of CT Scans for Diagnosis by Body Part
- Table 2.2 The Most Commonly Occurring Artifacts on CT Scans
- Table 2.3 Advantages and Disadvantages of CT Scans
- Table 2.4 The Global Imaging Market (\$bn) by Segment, 2010
- Table 2.5 The Global Imaging Market Sales (\$bn) by Region, 2010
- Table 3.1 The Global CT Scanners Market Sales (\$bn) by Segment, 2010
- Table 3.2 The Global CT Scanner Market Sales (\$bn) by Region, 2010
- Table 3.3 The European CT Scanner Market (\$m) by Country, 2010
- Table 3.4 The Estimated Number of Installed CT Scanners and Scanners per Million People by Region, 2010
- Table 3.5 The Global CT Scanner Market Forecast (\$bn), 2010-2022
- Table 3.6 The Global CT Scanner Market Forecasts (\$bn) by Region, 2010-2016
- Table 3.7 The Global CT Scanner Market Forecasts (\$bn) by Region, 2016-2022
- Table 3.8 The Chinese Government Spending on Healthcare (\$bn), 2000-2010
- Table 3.9 Drivers and Restraints in the Chinese CT Scanner Market, 2012-2022
- Table 3.10 The Drivers and Restraints for the Indian CT Scanner Market, 2012-2022
- Table 3.11 The CT Scanner Market Forecast (\$bn) by Segment, 2010-2022
- Table 4.1 The Global CT Scanner Sales (\$bn) by Company, 2010
- Table 4.2 Leading Products Developed by GE, Philips, Siemens and Toshiba in 2012
- Table 4.3 Other Leading Products Available in the CT Scanner Market, 2012
- Table 4.4 Multimodality Devices Currently Available in the Market, 2012
- Table 5.1 Global Growth in Installed CT Scanners, 2010-2022
- Table 5.2 Comparison Between Chinese and Indian CT Scanner Sales (\$bn) Growth Rates, 2010-2022
- Table 5.3 Drivers and Restraints in The CT Scanner Market, 2012-2022
- Table 6.1 SWOT Analysis of the CT Scanner Market, 2011-2022
- Table 6.2 Typical Scan Times for CT, MRI and PET Scans
- Table 6.3 Distribution of CT Scanners in Emerging Economies, 2011
- Table 6.4 Comparison of Exposure to Radiation from CT Scanners and Other Sources
- Table 7.1 Siemens Operational Areas, 2012
- Table 7.2 Siemens Healthcare Segments, 2012
- Table 7.3 Siemens Diagnostic & Imaging Segments, 2012
- Table 7.4 Siemens Sales (\$bn) By Segment, 2011 and 2010
- Table 7.5 Siemens Healthcare Emerging Economy Revenue Growth (%), 2008-2010
- Table 7.6 Philips Operational Segments, 2012



Table 7.7 Philips Healthcare Segments, 2012

Table 7.8 Philips Sales (\$bn) by Segment, 2010 and 2011

Table 7.9 Summary of Key Collaborations between Philips Healthcare and Other Companies, 2012

Table 7.10 GE Company Sales (\$bn) and Sales Shares (%) by Segment, 2010

Table 7.11 GE Company Sales (\$bn) by Region, 2010

Table 7.12 GE Technology Infrastructure: Sales (\$bn) and Sales Shares (%) by Segment, 2010

Table 7.13 GE Healthcare Total Sales (\$bn), 2006-2010

Table 7.14 Toshiba: Sales (\$bn) by Segment, 2010

Table 7.15 Other Companies in The CT Scanner Market, 2012

Table 8.1 Leading Products in The MRI Market, 2012

Table 8.2 Leading Products in The X-Ray Market, 2012

Table 8.3 The X-Ray Market Sales (\$bn), by Segment, 2010

Table 8.4 Leading Multimodality Imaging Scanners, 2012

Table 9.1 Comparison of Market Shares (%) and Sales (\$bn) 2010, 2016, 2022 by Region



# **List Of Figures**

#### LIST OF FIGURES

| Figure 2.1 A Basic Diagrammatic Representation of a CT Scanner  |    |
|---|----|
| Figure 2.2 The Global Imaging Market Shares (%) by Segment, 201 | 10 |
| E's as Collins and a Market Collins (All a) I Collins (All a)   | 40 |

Figure 2.3 The Global Imaging Market Sales (\$bn) by Segment, 2010

Figure 2.4 The Global Imaging Market Share (%) by Region, 2010

Figure 2.5 The Global Imaging Market Sales (\$bn) by Region, 2010

Figure 3.1 The Global CT Scanner Market Share (%) by Segment, 2010

Figure 3.2 The Global CT Scanner Market Sales (\$bn) by Segment, 2010

Figure 3.3 The Global CT Scanner Market Share (%) by Region, 2010

Figure 3.4 The Global CT Scanner Market Sales (\$bn) by Region, 2010

Figure 3.5 The European CT Scanners Market Share (%) by Country, 2010

Figure 3.6 The European CT Scanners Market Sales (\$m) by Country, 2010

Figure 3.7 The Regional Distribution of CT Scanners (%), 2010

Figure 3.8 The Total Number of Installed CT Scanners by Region, 2010

Figure 3.9 The Global CT Scanner Market Forecast (\$bn), 2010-2022

Figure 3.10 The Global CT Scanner Market Forecast (\$bn), 2010-2016

Figure 3.11 The US CT Scanner Market Forecast (\$bn), 2010-2016

Figure 3.12 The EU CT Scanner Market Forecast (\$bn), 2010-2016

Figure 3.13 The Asian CT Scanner Market Forecasts (\$bn), 2010-2016

Figure 3.14 The Global CT Scanner Market Forecast (\$bn), 2016-2022 Figure 3.15 The US CT Scanner Market Forecast (\$bn), 2016-2022

Figure 3.16 The EU CT Scanner Market Forecast (\$bn), 2016-2022

Figure 3.17 The Asian CT Scanner Market Forecasts (\$bn), 2016-2022

Figure 3.18 The Chinese Government Spending on Healthcare (\$bn), 2000-2010

Figure 3.19 The CT Scanner Market Forecast (\$bn) by Segment, 2010-2016

Figure 3.20 The CT Scanner Market Forecast (\$bn) by Segment, 2016-2022

Figure 4.1 The Global CT Scanner Market Shares (%) by Company, 2010

Figure 4.2 The Global CT Scanner Market Sales (\$bn) by Company, 2010

Figure 5.1 Global Growth in Installed CT Scanners, 2010-2022

Figure 5.2 Comparison of Indian and Chinese CT Scanner Sales (\$bn), 2010-2022

Figure 5.3 Comparison of Indian and Chinese CT Scanner Sales (\$bn), 2010, 2016 and 2022

Figure 6.1 The Distribution of CT Scanners in Emerging Economies, 2011

Figure 7.1 Siemens Sales (\$bn) by Segment, 2011 and 2010

Figure 7.2 Siemens Sales Share (%) by Segment, 2010

Figure 7.3 Siemens Sales Share (%) by Segment, 2011



Figure 7.4 Philips Sales (\$bn) by Segment, 2010 and 2011

Figure 7.5 Philips Sales Share (%) by Segment, 2010

Figure 7.6 Philips Sales Share (%) by Segment, 2011

Figure 7.7 GE Company Market Shares (%) by Sector, 2010

Figure 7.8 GE Company Market Sales (\$bn) by Sector, 2010

Figure 7.9 GE Company Market Shares (%) by Region, 2010

Figure 7.10 GE Company Sales (\$bn) by Region, 2010

Figure 7.11 GE Technology Infrastructure: Sales Share (%) by Segment, 2010

Figure 7.12 GE Technology Infrastructure: Sales (\$bn) by Segment, 2010

Figure 7.13 GE Healthcare Total Sales (\$bn), 2006-2010

Figure 7.14 Toshiba Sales (\$bn) by Segment, 2010

Figure 8.1 The Global X-Ray Market Share (%) by Segment, 2010

Figure 8.2 The Global X-Ray Market Sales (\$bn) by Segment, 2010

Figure 9.1 The CT Scanner Market Share (%) by Region, 2010

Figure 9.2 The CT Scanner Market Share (%) by Region, 2016

Figure 9.3 The CT Scanner Market Share (%) by Region, 2022

Figure 9.4 The CT Scanner Market Sales (\$bn) by Region, 2010, 2016 and 2022

#### COMPANIES LISTED

Atkinson Morley's Hospital

Biosense Webster (J&J company)

**Boston Scientific** 

Center for Devices and Radiological Health (CDRH)

Corindus

CR Bard

Deutsche Bank

Edison General Electric Company

**EMI** Laboratories

**EU Council** 

FDA MedWatch

Food & Drug Administration (FDA)

**GE** Healthcare

General Electric (GE)

GE Global Research Center

Hansen Medical

Hitachi Medical

**IDT Dental Products Inc** 

Imaging3



Johnson & Johnson (J&J)

**Koning Corporation** 

MagnaServ

Massachusetts General Hospital

Mayo Clinic

**Medical Coaches** 

Medical Imaging Resources

Mobile CT Imaging

National Health Service (NHS)

Neurlogica

Neusoft

Orthometrix

**Philips** 

Philips Healthcare

PlanMed

**QR Systems** 

**SCANCO Medical** 

Shimadzu Corporation

Siemens

Siemens Healthcare

St. Jude Medical

The National Cancer Institute's (NCI) Nanotechnology Characterization Laboratory

Thomson-Houston Electric Company

Toshiba

Toshiba Medical

Tufts University, Massachusetts

University of California San Francisco

University of Minnesota

Virginia Tech

Volcano Corporation

Washington University

Xoran Technologies



### I would like to order

Product name: Computed Tomography (CT) Systems: Global Market Outlook 2012-2022

Product link: <a href="https://marketpublishers.com/r/CB6EAB41DB8EN.html">https://marketpublishers.com/r/CB6EAB41DB8EN.html</a>

Price: US\$ 2,635.00 (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 <a href="https://marketpublishers.com/r/CB6EAB41DB8EN.html">https://marketpublishers.com/r/CB6EAB41DB8EN.html</a>

To pay by Wire Transfer, please, fill in your contact details in the form below:

| First name:   |                           |
|---------------|---------------------------|
| Last name:    |                           |
| Email:        |                           |
| Company:      |                           |
| Address:      |                           |
| City:         |                           |
| Zip code:     |                           |
| Country:      |                           |
| Tel:          |                           |
| Fax:          |                           |
| Your message: |                           |
|               |                           |
|               |                           |
|               |                           |
|               | **All fields are required |
|               | Custumer signature        |
|               |                           |
|               |                           |

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <a href="https://marketpublishers.com/docs/terms.html">https://marketpublishers.com/docs/terms.html</a>

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970