

X-Ray Tube Market by Type (Rotating Anode Tube, Stationary X-Ray Tube), End User (Manufacturing, Healthcare, Food, Aerospace and Defense, and Others), and Region 2024-2032

<https://marketpublishers.com/r/X78E5E0DA8BBEN.html>

Date: April 2024

Pages: 138

Price: US\$ 3,899.00 (Single User License)

ID: X78E5E0DA8BBEN

Abstracts

The global X-ray tube market size reached US\$ 2.9 Billion in 2023. Looking forward, IMARC Group expects the market to reach US\$ 4.1 Billion by 2032, exhibiting a growth rate (CAGR) of 3.82% during 2024-2032. The advent of portable X-ray tubes, rising prevalence of numerous diseases, and the growing demand for packaged ready-to-eat (RTE) food products represent some of the key factors driving the market.

An X-ray tube, also known as a roentgen tube, is a device comprising an evacuated glass envelope containing an anode and a cathode, which converts electrical input power into X-rays. It is used in radiation therapy to deliver high energy radiation and shrink or destroy cancerous tumors. It is also utilized in dental imaging to produce images of the teeth and jaws. At present, increasing incidences of cross-border terrorist activities and illegal trespassing is driving the demand for X-ray tube in security imaging to produce images of objects and packages, such as luggage and cargo to detect any potential threats.

X-Ray Tube Market Trends:

There is a surge in the prevalence of heart-related disorders, blocked arteries, lung cancer, chronic obstructive pulmonary disease (COPD), inflammatory bowel disease (IBD), kidney stones, and diabetes. This, coupled with the increasing aging population, which is more prone to these medical conditions, represents one of the major factors driving the demand for X-ray tubes around the world. Moreover, the rising adoption of pets for companionship and the growing spread of animal-borne diseases are impelling the market growth. In addition, the increasing preferences for minimally invasive (MI)

surgical procedures by patients and healthcare professionals on account of their associated benefits is bolstering the growth of the market. Apart from this, the advent of portable X-ray tubes has made X-ray imaging more accessible and convenient for patients, which is contributing to the market growth. Furthermore, the integration of artificial intelligence (AI) and machine learning (ML) in X-ray tubes to improve the accuracy of diagnoses, reduce radiation exposure and enhance the speed of image acquisition and analysis is bolstering the growth of the market. Besides this, the growing awareness about the easy availability of diagnostic and screening procedures and significant improvements in the healthcare infrastructure is creating a positive outlook for the market. Additionally, X-ray tubes are employed in the food and beverage (F&B) industry to enable efficient and effective inspection and analysis of food products that help ensure the safety and quality of the food supply. This, in confluence with the escalating demand for packaged ready-to-eat (RTE) food products on account of busy lifestyles and the expanding purchasing power of individuals, is strengthening the growth of the market.

Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each segment of the global X-ray tube market, along with forecasts at the global, regional, and country levels from 2024-2032. Our report has categorized the market based on type and end user.

Type Insights:

- Rotating Anode Tube
- Stationary X-Ray Tube

The report has provided a detailed breakup and analysis of the X-ray tube market based on the type. This includes rotating anode tube and stationary X-ray tube. According to the report, rotating anode tube represented the largest segment.

End User Insights:

- Manufacturing
- Healthcare
- Food
- Aerospace and Defense
- Others

A detailed breakup and analysis of the X-ray tube market based on the end user has

also been provided in the report. This includes manufacturing, healthcare, food, aerospace and defense, and others. According to the report, manufacturing accounted for the largest market share.

Regional Insights:

North America

United States

Canada

Asia Pacific

China

Japan

India

South Korea

Australia

Indonesia

Others

Europe

Germany

France

United Kingdom

Italy

Spain

Russia

Others

Latin America

Brazil

Mexico

Others

Middle East and Africa

The report has also provided a comprehensive analysis of all the major regional markets, which include North America (the United States and Canada); Asia Pacific (China, Japan, India, South Korea, Australia, Indonesia, and others); Europe (Germany, France, the United Kingdom, Italy, Spain, Russia, and others); Latin America (Brazil, Mexico, and others); and the Middle East and Africa. According to the report, North America was the largest market for X-ray tube. Some of the factors driving the North America X-ray tube market included the increasing aging population, increased demand for minimally invasive (MI) surgical procedures, integration of advanced technologies,

etc.

Competitive Landscape:

The report has also provided a comprehensive analysis of the competitive landscape in the global X-ray tube market. Competitive analysis such as market structure, market share by key players, player positioning, top winning strategies, competitive dashboard, and company evaluation quadrant has been covered in the report. Also, detailed profiles of all major companies have been provided. Some of the companies covered include Canon Electron Tubes & Devices Co. Ltd (Canon Inc.), Comet Group, General Electric Company, Gulmay Ltd., Hangzhou Kailong Medical Instruments Co. Ltd., Keyway Electron, Koninklijke Philips N.V., Malvern Panalytical Ltd (Spectris plc), Oxford Instruments Plc, Sandt, Siemens AG, Superior X-Ray Tube Company, Varex Imaging Corporation., etc. Kindly note that this only represents a partial list of companies, and the complete list has been provided in the report.

Key Questions Answered in This Report:

How has the global X-ray tube market performed so far, and how will it perform in the coming years?

What are the drivers, restraints, and opportunities in the global X-ray tube market?

What is the impact of each driver, restraint, and opportunity on the global X-ray tube market?

What are the key regional markets?

Which countries represent the most attractive X-ray tube market?

What is the breakup of the market based on the type?

Which is the most attractive type in the X-ray tube market?

What is the breakup of the market based on the end user?

Which is the most attractive end user in the X-ray tube market?

What is the competitive structure of the global X-ray tube market?

Who are the key players/companies in the global X-ray tube market?

Contents

1 PREFACE

2 SCOPE AND METHODOLOGY

- 2.1 Objectives of the Study
- 2.2 Stakeholders
- 2.3 Data Sources
 - 2.3.1 Primary Sources
 - 2.3.2 Secondary Sources
- 2.4 Market Estimation
 - 2.4.1 Bottom-Up Approach
 - 2.4.2 Top-Down Approach
- 2.5 Forecasting Methodology

3 EXECUTIVE SUMMARY

4 INTRODUCTION

- 4.1 Overview
- 4.2 Key Industry Trends

5 GLOBAL X-RAY TUBE MARKET

- 5.1 Market Overview
- 5.2 Market Performance
- 5.3 Impact of COVID-19
- 5.4 Market Forecast

6 MARKET BREAKUP BY TYPE

- 6.1 Rotating Anode Tube
 - 6.1.1 Market Trends
 - 6.1.2 Market Forecast
- 6.2 Stationary X-Ray Tube
 - 6.2.1 Market Trends
 - 6.2.2 Market Forecast

7 MARKET BREAKUP BY END USER

7.1 Manufacturing

7.1.1 Market Trends

7.1.2 Market Forecast

7.2 Healthcare

7.2.1 Market Trends

7.2.2 Market Forecast

7.3 Food

7.3.1 Market Trends

7.3.2 Market Forecast

7.4 Aerospace and Defense

7.4.1 Market Trends

7.4.2 Market Forecast

7.5 Others

7.5.1 Market Trends

7.5.2 Market Forecast

8 MARKET BREAKUP BY REGION

8.1 North America

8.1.1 United States

8.1.1.1 Market Trends

8.1.1.2 Market Forecast

8.1.2 Canada

8.1.2.1 Market Trends

8.1.2.2 Market Forecast

8.2 Asia-Pacific

8.2.1 China

8.2.1.1 Market Trends

8.2.1.2 Market Forecast

8.2.2 Japan

8.2.2.1 Market Trends

8.2.2.2 Market Forecast

8.2.3 India

8.2.3.1 Market Trends

8.2.3.2 Market Forecast

8.2.4 South Korea

8.2.4.1 Market Trends

- 8.2.4.2 Market Forecast
- 8.2.5 Australia
 - 8.2.5.1 Market Trends
 - 8.2.5.2 Market Forecast
- 8.2.6 Indonesia
 - 8.2.6.1 Market Trends
 - 8.2.6.2 Market Forecast
- 8.2.7 Others
 - 8.2.7.1 Market Trends
 - 8.2.7.2 Market Forecast
- 8.3 Europe
 - 8.3.1 Germany
 - 8.3.1.1 Market Trends
 - 8.3.1.2 Market Forecast
 - 8.3.2 France
 - 8.3.2.1 Market Trends
 - 8.3.2.2 Market Forecast
 - 8.3.3 United Kingdom
 - 8.3.3.1 Market Trends
 - 8.3.3.2 Market Forecast
 - 8.3.4 Italy
 - 8.3.4.1 Market Trends
 - 8.3.4.2 Market Forecast
 - 8.3.5 Spain
 - 8.3.5.1 Market Trends
 - 8.3.5.2 Market Forecast
 - 8.3.6 Russia
 - 8.3.6.1 Market Trends
 - 8.3.6.2 Market Forecast
 - 8.3.7 Others
 - 8.3.7.1 Market Trends
 - 8.3.7.2 Market Forecast
- 8.4 Latin America
 - 8.4.1 Brazil
 - 8.4.1.1 Market Trends
 - 8.4.1.2 Market Forecast
 - 8.4.2 Mexico
 - 8.4.2.1 Market Trends
 - 8.4.2.2 Market Forecast

8.4.3 Others

8.4.3.1 Market Trends

8.4.3.2 Market Forecast

8.5 Middle East and Africa

8.5.1 Market Trends

8.5.2 Market Breakup by Country

8.5.3 Market Forecast

9 DRIVERS, RESTRAINTS, AND OPPORTUNITIES

9.1 Overview

9.2 Drivers

9.3 Restraints

9.4 Opportunities

10 VALUE CHAIN ANALYSIS

11 PORTERS FIVE FORCES ANALYSIS

11.1 Overview

11.2 Bargaining Power of Buyers

11.3 Bargaining Power of Suppliers

11.4 Degree of Competition

11.5 Threat of New Entrants

11.6 Threat of Substitutes

12 PRICE ANALYSIS

13 COMPETITIVE LANDSCAPE

13.1 Market Structure

13.2 Key Players

13.3 Profiles of Key Players

13.3.1 Canon Electron Tubes & Devices Co. Ltd (Canon Inc.)

13.3.1.1 Company Overview

13.3.1.2 Product Portfolio

13.3.2 Comet Group

13.3.2.1 Company Overview

13.3.2.2 Product Portfolio

- 13.3.2.3 Financials
- 13.3.3 General Electric Company
 - 13.3.3.1 Company Overview
 - 13.3.3.2 Product Portfolio
 - 13.3.3.3 Financials
 - 13.3.3.4 SWOT Analysis
- 13.3.4 Gulmay Ltd.
 - 13.3.4.1 Company Overview
 - 13.3.4.2 Product Portfolio
- 13.3.5 Hangzhou Kailong Medical Instruments Co. Ltd.
 - 13.3.5.1 Company Overview
 - 13.3.5.2 Product Portfolio
- 13.3.6 Keyway Electron
 - 13.3.6.1 Company Overview
 - 13.3.6.2 Product Portfolio
- 13.3.7 Koninklijke Philips N.V.
 - 13.3.7.1 Company Overview
 - 13.3.7.2 Product Portfolio
 - 13.3.7.3 Financials
 - 13.3.7.4 SWOT Analysis
- 13.3.8 Malvern Panalytical Ltd (Spectris plc)
 - 13.3.8.1 Company Overview
 - 13.3.8.2 Product Portfolio
- 13.3.9 Oxford Instruments Plc
 - 13.3.9.1 Company Overview
 - 13.3.9.2 Product Portfolio
 - 13.3.9.3 Financials
 - 13.3.9.4 SWOT Analysis
- 13.3.10 Sandt
 - 13.3.10.1 Company Overview
 - 13.3.10.2 Product Portfolio
- 13.3.11 Siemens AG
 - 13.3.11.1 Company Overview
 - 13.3.11.2 Product Portfolio
 - 13.3.11.3 Financials
 - 13.3.11.4 SWOT Analysis
- 13.3.12 Superior X-Ray Tube Company
 - 13.3.12.1 Company Overview
 - 13.3.12.2 Product Portfolio

13.3.13 Varex Imaging Corporation

13.3.13.1 Company Overview

13.3.13.2 Product Portfolio

13.3.13.3 Financials

13.3.13.4 SWOT Analysis

Kindly note that this only represents a partial list of companies, and the complete list has been provided in the report.

List Of Tables

LIST OF TABLES

Table 1: Global: X-ray Tube Market: Key Industry Highlights, 2023 & 2032

Table 2: Global: X-ray Tube Market Forecast: Breakup by Type (in Million US\$), 2024-2032

Table 3: Global: X-ray Tube Market Forecast: Breakup by End User (in Million US\$), 2024-2032

Table 4: Global: X-ray Tube Market Forecast: Breakup by Region (in Million US\$), 2024-2032

Table 5: Global: X-ray Tube Market: Competitive Structure

Table 6: Global: X-ray Tube Market: Key Players

List Of Figures

LIST OF FIGURES

- Figure 1: Global: X-ray Tube Market: Major Drivers and Challenges
- Figure 2: Global: X-ray Tube Market: Sales Value (in Billion US\$), 2018-2023
- Figure 3: Global: X-ray Tube Market Forecast: Sales Value (in Billion US\$), 2024-2032
- Figure 4: Global: X-ray Tube Market: Breakup by Type (in %), 2023
- Figure 5: Global: X-ray Tube Market: Breakup by End User (in %), 2023
- Figure 6: Global: X-ray Tube Market: Breakup by Region (in %), 2023
- Figure 7: Global: X-ray Tube (Rotating Anode Tube) Market: Sales Value (in Million US\$), 2018 & 2023
- Figure 8: Global: X-ray Tube (Rotating Anode Tube) Market Forecast: Sales Value (in Million US\$), 2024-2032
- Figure 9: Global: X-ray Tube (Stationary X-Ray Tube) Market: Sales Value (in Million US\$), 2018 & 2023
- Figure 10: Global: X-ray Tube (Stationary X-Ray Tube) Market Forecast: Sales Value (in Million US\$), 2024-2032
- Figure 11: Global: X-ray Tube (Manufacturing) Market: Sales Value (in Million US\$), 2018 & 2023
- Figure 12: Global: X-ray Tube (Manufacturing) Market Forecast: Sales Value (in Million US\$), 2024-2032
- Figure 13: Global: X-ray Tube (Healthcare) Market: Sales Value (in Million US\$), 2018 & 2023
- Figure 14: Global: X-ray Tube (Healthcare) Market Forecast: Sales Value (in Million US\$), 2024-2032
- Figure 15: Global: X-ray Tube (Food) Market: Sales Value (in Million US\$), 2018 & 2023
- Figure 16: Global: X-ray Tube (Food) Market Forecast: Sales Value (in Million US\$), 2024-2032
- Figure 17: Global: X-ray Tube (Aerospace and Defense) Market: Sales Value (in Million US\$), 2018 & 2023
- Figure 18: Global: X-ray Tube (Aerospace and Defense) Market Forecast: Sales Value (in Million US\$), 2024-2032
- Figure 19: Global: X-ray Tube (Other End Users) Market: Sales Value (in Million US\$), 2018 & 2023
- Figure 20: Global: X-ray Tube (Other End Users) Market Forecast: Sales Value (in Million US\$), 2024-2032
- Figure 21: North America: X-ray Tube Market: Sales Value (in Million US\$), 2018 & 2023

Figure 22: North America: X-ray Tube Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 23: United States: X-ray Tube Market: Sales Value (in Million US\$), 2018 & 2023

Figure 24: United States: X-ray Tube Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 25: Canada: X-ray Tube Market: Sales Value (in Million US\$), 2018 & 2023

Figure 26: Canada: X-ray Tube Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 27: Asia-Pacific: X-ray Tube Market: Sales Value (in Million US\$), 2018 & 2023

Figure 28: Asia-Pacific: X-ray Tube Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 29: China: X-ray Tube Market: Sales Value (in Million US\$), 2018 & 2023

Figure 30: China: X-ray Tube Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 31: Japan: X-ray Tube Market: Sales Value (in Million US\$), 2018 & 2023

Figure 32: Japan: X-ray Tube Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 33: India: X-ray Tube Market: Sales Value (in Million US\$), 2018 & 2023

Figure 34: India: X-ray Tube Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 35: South Korea: X-ray Tube Market: Sales Value (in Million US\$), 2018 & 2023

Figure 36: South Korea: X-ray Tube Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 37: Australia: X-ray Tube Market: Sales Value (in Million US\$), 2018 & 2023

Figure 38: Australia: X-ray Tube Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 39: Indonesia: X-ray Tube Market: Sales Value (in Million US\$), 2018 & 2023

Figure 40: Indonesia: X-ray Tube Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 41: Others: X-ray Tube Market: Sales Value (in Million US\$), 2018 & 2023

Figure 42: Others: X-ray Tube Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 43: Europe: X-ray Tube Market: Sales Value (in Million US\$), 2018 & 2023

Figure 44: Europe: X-ray Tube Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 45: Germany: X-ray Tube Market: Sales Value (in Million US\$), 2018 & 2023

Figure 46: Germany: X-ray Tube Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 47: France: X-ray Tube Market: Sales Value (in Million US\$), 2018 & 2023

Figure 48: France: X-ray Tube Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 49: United Kingdom: X-ray Tube Market: Sales Value (in Million US\$), 2018 &

2023

Figure 50: United Kingdom: X-ray Tube Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 51: Italy: X-ray Tube Market: Sales Value (in Million US\$), 2018 & 2023

Figure 52: Italy: X-ray Tube Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 53: Spain: X-ray Tube Market: Sales Value (in Million US\$), 2018 & 2023

Figure 54: Spain: X-ray Tube Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 55: Russia: X-ray Tube Market: Sales Value (in Million US\$), 2018 & 2023

Figure 56: Russia: X-ray Tube Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 57: Others: X-ray Tube Market: Sales Value (in Million US\$), 2018 & 2023

Figure 58: Others: X-ray Tube Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 59: Latin America: X-ray Tube Market: Sales Value (in Million US\$), 2018 & 2023

Figure 60: Latin America: X-ray Tube Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 61: Brazil: X-ray Tube Market: Sales Value (in Million US\$), 2018 & 2023

Figure 62: Brazil: X-ray Tube Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 63: Mexico: X-ray Tube Market: Sales Value (in Million US\$), 2018 & 2023

Figure 64: Mexico: X-ray Tube Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 65: Others: X-ray Tube Market: Sales Value (in Million US\$), 2018 & 2023

Figure 66: Others: X-ray Tube Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 67: Middle East and Africa: X-ray Tube Market: Sales Value (in Million US\$), 2018 & 2023

Figure 68: Middle East and Africa: X-ray Tube Market: Breakup by Country (in %), 2023

Figure 69: Middle East and Africa: X-ray Tube Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 70: Global: X-ray Tube Industry: Drivers, Restraints, and Opportunities

Figure 71: Global: X-ray Tube Industry: Value Chain Analysis

Figure 72: Global: X-ray Tube Industry: Porter's Five Forces Analysis

I would like to order

Product name: X-Ray Tube Market by Type (Rotating Anode Tube, Stationary X-Ray Tube), End User (Manufacturing, Healthcare, Food, Aerospace and Defense, and Others), and Region 2024-2032

Product link: <https://marketpublishers.com/r/X78E5E0DA8BBEN.html>

Price: US\$ 3,899.00 (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/X78E5E0DA8BBEN.html>

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**

Customer signature _____

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

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