

# Global Radiation Therapy Planning System Supply, Demand and Key Producers, 2023-2029

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## Abstracts

The global Radiation Therapy Planning System market size is expected to reach \$ million by 2029, rising at a market growth of % CAGR during the forecast period (2023-2029).

The global radiation oncology market size was estimated at USD 9.15 billion in 2022 and is expected to grow at a compound annual growth rate (CAGR) of 12.4% from 2023 to 2030. Radiation therapy is one of the three major technical means to treat malignant tumors. It uses radiation to irradiate and kill tumor tissue cells to achieve the purpose of treatment. Radiation therapy has high requirements on dose control and concentration. In order to achieve higher treatment accuracy, faster treatment speed and realize personalized treatment, precision radiotherapy has been proposed. The radiation is concentrated on the lesion and the dose is increased as much as possible. The rays irradiated by the surrounding normal tissues and organs are reduced as much as possible, which has the advantages of high precision, good curative effect, short time, and small side effects. In the context of precision radiotherapy, radiotherapy planning systems are indispensable, and the market space continues to grow.

Treatment planning systems are at the heart of radiation therapy (RT) and the key to improved patient outcomes. Once image datasets are loaded and the tumors are identified, the systems develop a complex plan for each beam line route for how the therapy system will deliver radiation. The software also computes the expected dose distribution in the patient's tissue, including variables such as tissue energy level penetration influenced by the type of tissue the beam lines encounter (e.g., bone or lung vs. muscle). These systems also help navigate beam placement based on avoiding critical structures that are more sensitive to radiation in an effort to reduce collateral damage from the therapy. This may include automated, complex programming for multi-

leaf collimator (MLC) leaf sequencing to shape the beam around critical structures during dose delivery. These treatment plans can also be modified to compensate for the reduction in tumor size over the course of treatments.

This report studies the global Radiation Therapy Planning System production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Radiation Therapy Planning System, and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2022 as the base year. This report explores demand trends and competition, as well as details the characteristics of Radiation Therapy Planning System that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Radiation Therapy Planning System total production and demand, 2018-2029, (K Units)

Global Radiation Therapy Planning System total production value, 2018-2029, (USD Million)

Global Radiation Therapy Planning System production by region & country, production, value, CAGR, 2018-2029, (USD Million) & (K Units)

Global Radiation Therapy Planning System consumption by region & country, CAGR, 2018-2029 & (K Units)

U.S. VS China: Radiation Therapy Planning System domestic production, consumption, key domestic manufacturers and share

Global Radiation Therapy Planning System production by manufacturer, production, price, value and market share 2018-2023, (USD Million) & (K Units)

Global Radiation Therapy Planning System production by Type, production, value, CAGR, 2018-2029, (USD Million) & (K Units)

Global Radiation Therapy Planning System production by Application production, value, CAGR, 2018-2029, (USD Million) & (K Units)

This reports profiles key players in the global Radiation Therapy Planning System market based on the following parameters – company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Accuray, Varian, Elekta, Philips Healthcare, RaySearch, Prowess, Linatech, Tecnicas Radiofisicas and DOSIsoft, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals, COVID-19 and Russia-Ukraine War Influence.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Radiation Therapy Planning System market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (K Units) and average price (US\$/Unit) by manufacturer, by Type, and by Application. Data is given for the years 2018-2029 by year with 2022 as the base year, 2023 as the estimate year, and 2024-2029 as the forecast year.

Global Radiation Therapy Planning System Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

## Global Radiation Therapy Planning System Market, Segmentation by Type

Software

Hardware

## Global Radiation Therapy Planning System Market, Segmentation by Application

Conformal Radiation Therapy

Electron Beam Radiation Therapy

Radiosurgery with Linear Accelerators

Intensity Modulated Radiation Therapy

Other

## Companies Profiled:

Accuray

Varian

Elekta

Philips Healthcare

RaySearch

Prowess

Linatech

Tecnicas Radiofísicas

DOSIsoft

Nuclemed

Mevis

HoKai

Neusoft Medical Systems Co., Ltd

BEIJING ASTRO TECHNOLOGY LTD.CO

### Key Questions Answered

1. How big is the global Radiation Therapy Planning System market?
2. What is the demand of the global Radiation Therapy Planning System market?
3. What is the year over year growth of the global Radiation Therapy Planning System market?
4. What is the production and production value of the global Radiation Therapy Planning System market?
5. Who are the key producers in the global Radiation Therapy Planning System market?
6. What are the growth factors driving the market demand?

## Contents

### 1 SUPPLY SUMMARY

- 1.1 Radiation Therapy Planning System Introduction
- 1.2 World Radiation Therapy Planning System Supply & Forecast
  - 1.2.1 World Radiation Therapy Planning System Production Value (2018 & 2022 & 2029)
  - 1.2.2 World Radiation Therapy Planning System Production (2018-2029)
  - 1.2.3 World Radiation Therapy Planning System Pricing Trends (2018-2029)
- 1.3 World Radiation Therapy Planning System Production by Region (Based on Production Site)
  - 1.3.1 World Radiation Therapy Planning System Production Value by Region (2018-2029)
  - 1.3.2 World Radiation Therapy Planning System Production by Region (2018-2029)
  - 1.3.3 World Radiation Therapy Planning System Average Price by Region (2018-2029)
  - 1.3.4 North America Radiation Therapy Planning System Production (2018-2029)
  - 1.3.5 Europe Radiation Therapy Planning System Production (2018-2029)
  - 1.3.6 China Radiation Therapy Planning System Production (2018-2029)
  - 1.3.7 Japan Radiation Therapy Planning System Production (2018-2029)
- 1.4 Market Drivers, Restraints and Trends
  - 1.4.1 Radiation Therapy Planning System Market Drivers
  - 1.4.2 Factors Affecting Demand
  - 1.4.3 Radiation Therapy Planning System Major Market Trends
- 1.5 Influence of COVID-19 and Russia-Ukraine War
  - 1.5.1 Influence of COVID-19
  - 1.5.2 Influence of Russia-Ukraine War

### 2 DEMAND SUMMARY

- 2.1 World Radiation Therapy Planning System Demand (2018-2029)
- 2.2 World Radiation Therapy Planning System Consumption by Region
  - 2.2.1 World Radiation Therapy Planning System Consumption by Region (2018-2023)
  - 2.2.2 World Radiation Therapy Planning System Consumption Forecast by Region (2024-2029)
- 2.3 United States Radiation Therapy Planning System Consumption (2018-2029)
- 2.4 China Radiation Therapy Planning System Consumption (2018-2029)
- 2.5 Europe Radiation Therapy Planning System Consumption (2018-2029)
- 2.6 Japan Radiation Therapy Planning System Consumption (2018-2029)

- 2.7 South Korea Radiation Therapy Planning System Consumption (2018-2029)
- 2.8 ASEAN Radiation Therapy Planning System Consumption (2018-2029)
- 2.9 India Radiation Therapy Planning System Consumption (2018-2029)

### **3 WORLD RADIATION THERAPY PLANNING SYSTEM MANUFACTURERS COMPETITIVE ANALYSIS**

- 3.1 World Radiation Therapy Planning System Production Value by Manufacturer (2018-2023)
- 3.2 World Radiation Therapy Planning System Production by Manufacturer (2018-2023)
- 3.3 World Radiation Therapy Planning System Average Price by Manufacturer (2018-2023)
- 3.4 Radiation Therapy Planning System Company Evaluation Quadrant
- 3.5 Industry Rank and Concentration Rate (CR)
  - 3.5.1 Global Radiation Therapy Planning System Industry Rank of Major Manufacturers
  - 3.5.2 Global Concentration Ratios (CR4) for Radiation Therapy Planning System in 2022
  - 3.5.3 Global Concentration Ratios (CR8) for Radiation Therapy Planning System in 2022
- 3.6 Radiation Therapy Planning System Market: Overall Company Footprint Analysis
  - 3.6.1 Radiation Therapy Planning System Market: Region Footprint
  - 3.6.2 Radiation Therapy Planning System Market: Company Product Type Footprint
  - 3.6.3 Radiation Therapy Planning System Market: Company Product Application Footprint
- 3.7 Competitive Environment
  - 3.7.1 Historical Structure of the Industry
  - 3.7.2 Barriers of Market Entry
  - 3.7.3 Factors of Competition
- 3.8 New Entrant and Capacity Expansion Plans
- 3.9 Mergers, Acquisition, Agreements, and Collaborations

### **4 UNITED STATES VS CHINA VS REST OF THE WORLD**

- 4.1 United States VS China: Radiation Therapy Planning System Production Value Comparison
  - 4.1.1 United States VS China: Radiation Therapy Planning System Production Value Comparison (2018 & 2022 & 2029)
  - 4.1.2 United States VS China: Radiation Therapy Planning System Production Value

Market Share Comparison (2018 & 2022 & 2029)

4.2 United States VS China: Radiation Therapy Planning System Production Comparison

4.2.1 United States VS China: Radiation Therapy Planning System Production Comparison (2018 & 2022 & 2029)

4.2.2 United States VS China: Radiation Therapy Planning System Production Market Share Comparison (2018 & 2022 & 2029)

4.3 United States VS China: Radiation Therapy Planning System Consumption Comparison

4.3.1 United States VS China: Radiation Therapy Planning System Consumption Comparison (2018 & 2022 & 2029)

4.3.2 United States VS China: Radiation Therapy Planning System Consumption Market Share Comparison (2018 & 2022 & 2029)

4.4 United States Based Radiation Therapy Planning System Manufacturers and Market Share, 2018-2023

4.4.1 United States Based Radiation Therapy Planning System Manufacturers, Headquarters and Production Site (States, Country)

4.4.2 United States Based Manufacturers Radiation Therapy Planning System Production Value (2018-2023)

4.4.3 United States Based Manufacturers Radiation Therapy Planning System Production (2018-2023)

4.5 China Based Radiation Therapy Planning System Manufacturers and Market Share

4.5.1 China Based Radiation Therapy Planning System Manufacturers, Headquarters and Production Site (Province, Country)

4.5.2 China Based Manufacturers Radiation Therapy Planning System Production Value (2018-2023)

4.5.3 China Based Manufacturers Radiation Therapy Planning System Production (2018-2023)

4.6 Rest of World Based Radiation Therapy Planning System Manufacturers and Market Share, 2018-2023

4.6.1 Rest of World Based Radiation Therapy Planning System Manufacturers, Headquarters and Production Site (State, Country)

4.6.2 Rest of World Based Manufacturers Radiation Therapy Planning System Production Value (2018-2023)

4.6.3 Rest of World Based Manufacturers Radiation Therapy Planning System Production (2018-2023)

## **5 MARKET ANALYSIS BY TYPE**



5.1 World Radiation Therapy Planning System Market Size Overview by Type: 2018 VS 2022 VS 2029

5.2 Segment Introduction by Type

5.2.1 Software

5.2.2 Hardware

5.3 Market Segment by Type

5.3.1 World Radiation Therapy Planning System Production by Type (2018-2029)

5.3.2 World Radiation Therapy Planning System Production Value by Type (2018-2029)

5.3.3 World Radiation Therapy Planning System Average Price by Type (2018-2029)

## **6 MARKET ANALYSIS BY APPLICATION**

6.1 World Radiation Therapy Planning System Market Size Overview by Application: 2018 VS 2022 VS 2029

6.2 Segment Introduction by Application

6.2.1 Conformal Radiation Therapy

6.2.2 Electron Beam Radiation Therapy

6.2.3 Radiosurgery with Linear Accelerators

6.2.4 Intensity Modulated Radiation Therapy

6.2.5 Other

6.3 Market Segment by Application

6.3.1 World Radiation Therapy Planning System Production by Application (2018-2029)

6.3.2 World Radiation Therapy Planning System Production Value by Application (2018-2029)

6.3.3 World Radiation Therapy Planning System Average Price by Application (2018-2029)

## **7 COMPANY PROFILES**

7.1 Accuray

7.1.1 Accuray Details

7.1.2 Accuray Major Business

7.1.3 Accuray Radiation Therapy Planning System Product and Services

7.1.4 Accuray Radiation Therapy Planning System Production, Price, Value, Gross Margin and Market Share (2018-2023)

7.1.5 Accuray Recent Developments/Updates

7.1.6 Accuray Competitive Strengths & Weaknesses

## 7.2 Varian

### 7.2.1 Varian Details

### 7.2.2 Varian Major Business

### 7.2.3 Varian Radiation Therapy Planning System Product and Services

### 7.2.4 Varian Radiation Therapy Planning System Production, Price, Value, Gross Margin and Market Share (2018-2023)

### 7.2.5 Varian Recent Developments/Updates

### 7.2.6 Varian Competitive Strengths & Weaknesses

## 7.3 Elekta

### 7.3.1 Elekta Details

### 7.3.2 Elekta Major Business

### 7.3.3 Elekta Radiation Therapy Planning System Product and Services

### 7.3.4 Elekta Radiation Therapy Planning System Production, Price, Value, Gross Margin and Market Share (2018-2023)

### 7.3.5 Elekta Recent Developments/Updates

### 7.3.6 Elekta Competitive Strengths & Weaknesses

## 7.4 Philips Healthcare

### 7.4.1 Philips Healthcare Details

### 7.4.2 Philips Healthcare Major Business

### 7.4.3 Philips Healthcare Radiation Therapy Planning System Product and Services

### 7.4.4 Philips Healthcare Radiation Therapy Planning System Production, Price, Value, Gross Margin and Market Share (2018-2023)

### 7.4.5 Philips Healthcare Recent Developments/Updates

### 7.4.6 Philips Healthcare Competitive Strengths & Weaknesses

## 7.5 RaySearch

### 7.5.1 RaySearch Details

### 7.5.2 RaySearch Major Business

### 7.5.3 RaySearch Radiation Therapy Planning System Product and Services

### 7.5.4 RaySearch Radiation Therapy Planning System Production, Price, Value, Gross Margin and Market Share (2018-2023)

### 7.5.5 RaySearch Recent Developments/Updates

### 7.5.6 RaySearch Competitive Strengths & Weaknesses

## 7.6 Prowess

### 7.6.1 Prowess Details

### 7.6.2 Prowess Major Business

### 7.6.3 Prowess Radiation Therapy Planning System Product and Services

### 7.6.4 Prowess Radiation Therapy Planning System Production, Price, Value, Gross Margin and Market Share (2018-2023)

### 7.6.5 Prowess Recent Developments/Updates

- 7.6.6 Prowess Competitive Strengths & Weaknesses
- 7.7 Linatech
  - 7.7.1 Linatech Details
  - 7.7.2 Linatech Major Business
  - 7.7.3 Linatech Radiation Therapy Planning System Product and Services
  - 7.7.4 Linatech Radiation Therapy Planning System Production, Price, Value, Gross Margin and Market Share (2018-2023)
  - 7.7.5 Linatech Recent Developments/Updates
  - 7.7.6 Linatech Competitive Strengths & Weaknesses
- 7.8 Tecnicas Radiofiscas
  - 7.8.1 Tecnicas Radiofiscas Details
  - 7.8.2 Tecnicas Radiofiscas Major Business
  - 7.8.3 Tecnicas Radiofiscas Radiation Therapy Planning System Product and Services
  - 7.8.4 Tecnicas Radiofiscas Radiation Therapy Planning System Production, Price, Value, Gross Margin and Market Share (2018-2023)
  - 7.8.5 Tecnicas Radiofiscas Recent Developments/Updates
  - 7.8.6 Tecnicas Radiofiscas Competitive Strengths & Weaknesses
- 7.9 DOSIsoft
  - 7.9.1 DOSIsoft Details
  - 7.9.2 DOSIsoft Major Business
  - 7.9.3 DOSIsoft Radiation Therapy Planning System Product and Services
  - 7.9.4 DOSIsoft Radiation Therapy Planning System Production, Price, Value, Gross Margin and Market Share (2018-2023)
  - 7.9.5 DOSIsoft Recent Developments/Updates
  - 7.9.6 DOSIsoft Competitive Strengths & Weaknesses
- 7.10 Nuclemed
  - 7.10.1 Nuclemed Details
  - 7.10.2 Nuclemed Major Business
  - 7.10.3 Nuclemed Radiation Therapy Planning System Product and Services
  - 7.10.4 Nuclemed Radiation Therapy Planning System Production, Price, Value, Gross Margin and Market Share (2018-2023)
  - 7.10.5 Nuclemed Recent Developments/Updates
  - 7.10.6 Nuclemed Competitive Strengths & Weaknesses
- 7.11 Mevis
  - 7.11.1 Mevis Details
  - 7.11.2 Mevis Major Business
  - 7.11.3 Mevis Radiation Therapy Planning System Product and Services
  - 7.11.4 Mevis Radiation Therapy Planning System Production, Price, Value, Gross Margin and Market Share (2018-2023)

- 7.11.5 Mevis Recent Developments/Updates
- 7.11.6 Mevis Competitive Strengths & Weaknesses
- 7.12 HoKai
  - 7.12.1 HoKai Details
  - 7.12.2 HoKai Major Business
  - 7.12.3 HoKai Radiation Therapy Planning System Product and Services
  - 7.12.4 HoKai Radiation Therapy Planning System Production, Price, Value, Gross Margin and Market Share (2018-2023)
  - 7.12.5 HoKai Recent Developments/Updates
  - 7.12.6 HoKai Competitive Strengths & Weaknesses
- 7.13 Neusoft Medical Systems Co., Ltd
  - 7.13.1 Neusoft Medical Systems Co., Ltd Details
  - 7.13.2 Neusoft Medical Systems Co., Ltd Major Business
  - 7.13.3 Neusoft Medical Systems Co., Ltd Radiation Therapy Planning System Product and Services
  - 7.13.4 Neusoft Medical Systems Co., Ltd Radiation Therapy Planning System Production, Price, Value, Gross Margin and Market Share (2018-2023)
  - 7.13.5 Neusoft Medical Systems Co., Ltd Recent Developments/Updates
  - 7.13.6 Neusoft Medical Systems Co., Ltd Competitive Strengths & Weaknesses
- 7.14 BEIJING ASTRO TECHNOLOGY LTD.CO
  - 7.14.1 BEIJING ASTRO TECHNOLOGY LTD.CO Details
  - 7.14.2 BEIJING ASTRO TECHNOLOGY LTD.CO Major Business
  - 7.14.3 BEIJING ASTRO TECHNOLOGY LTD.CO Radiation Therapy Planning System Product and Services
  - 7.14.4 BEIJING ASTRO TECHNOLOGY LTD.CO Radiation Therapy Planning System Production, Price, Value, Gross Margin and Market Share (2018-2023)
  - 7.14.5 BEIJING ASTRO TECHNOLOGY LTD.CO Recent Developments/Updates
  - 7.14.6 BEIJING ASTRO TECHNOLOGY LTD.CO Competitive Strengths & Weaknesses

## **8 INDUSTRY CHAIN ANALYSIS**

- 8.1 Radiation Therapy Planning System Industry Chain
- 8.2 Radiation Therapy Planning System Upstream Analysis
  - 8.2.1 Radiation Therapy Planning System Core Raw Materials
  - 8.2.2 Main Manufacturers of Radiation Therapy Planning System Core Raw Materials
- 8.3 Midstream Analysis
- 8.4 Downstream Analysis
- 8.5 Radiation Therapy Planning System Production Mode

8.6 Radiation Therapy Planning System Procurement Model

8.7 Radiation Therapy Planning System Industry Sales Model and Sales Channels

8.7.1 Radiation Therapy Planning System Sales Model

8.7.2 Radiation Therapy Planning System Typical Customers

## **9 RESEARCH FINDINGS AND CONCLUSION**

## **10 APPENDIX**

10.1 Methodology

10.2 Research Process and Data Source

10.3 Disclaimer

## List Of Tables

### LIST OF TABLES

Table 1. World Radiation Therapy Planning System Production Value by Region (2018, 2022 and 2029) & (USD Million)

Table 2. World Radiation Therapy Planning System Production Value by Region (2018-2023) & (USD Million)

Table 3. World Radiation Therapy Planning System Production Value by Region (2024-2029) & (USD Million)

Table 4. World Radiation Therapy Planning System Production Value Market Share by Region (2018-2023)

Table 5. World Radiation Therapy Planning System Production Value Market Share by Region (2024-2029)

Table 6. World Radiation Therapy Planning System Production by Region (2018-2023) & (K Units)

Table 7. World Radiation Therapy Planning System Production by Region (2024-2029) & (K Units)

Table 8. World Radiation Therapy Planning System Production Market Share by Region (2018-2023)

Table 9. World Radiation Therapy Planning System Production Market Share by Region (2024-2029)

Table 10. World Radiation Therapy Planning System Average Price by Region (2018-2023) & (US\$/Unit)

Table 11. World Radiation Therapy Planning System Average Price by Region (2024-2029) & (US\$/Unit)

Table 12. Radiation Therapy Planning System Major Market Trends

Table 13. World Radiation Therapy Planning System Consumption Growth Rate Forecast by Region (2018 & 2022 & 2029) & (K Units)

Table 14. World Radiation Therapy Planning System Consumption by Region (2018-2023) & (K Units)

Table 15. World Radiation Therapy Planning System Consumption Forecast by Region (2024-2029) & (K Units)

Table 16. World Radiation Therapy Planning System Production Value by Manufacturer (2018-2023) & (USD Million)

Table 17. Production Value Market Share of Key Radiation Therapy Planning System Producers in 2022

Table 18. World Radiation Therapy Planning System Production by Manufacturer (2018-2023) & (K Units)

Table 19. Production Market Share of Key Radiation Therapy Planning System Producers in 2022

Table 20. World Radiation Therapy Planning System Average Price by Manufacturer (2018-2023) & (US\$/Unit)

Table 21. Global Radiation Therapy Planning System Company Evaluation Quadrant

Table 22. World Radiation Therapy Planning System Industry Rank of Major Manufacturers, Based on Production Value in 2022

Table 23. Head Office and Radiation Therapy Planning System Production Site of Key Manufacturer

Table 24. Radiation Therapy Planning System Market: Company Product Type Footprint

Table 25. Radiation Therapy Planning System Market: Company Product Application Footprint

Table 26. Radiation Therapy Planning System Competitive Factors

Table 27. Radiation Therapy Planning System New Entrant and Capacity Expansion Plans

Table 28. Radiation Therapy Planning System Mergers & Acquisitions Activity

Table 29. United States VS China Radiation Therapy Planning System Production Value Comparison, (2018 & 2022 & 2029) & (USD Million)

Table 30. United States VS China Radiation Therapy Planning System Production Comparison, (2018 & 2022 & 2029) & (K Units)

Table 31. United States VS China Radiation Therapy Planning System Consumption Comparison, (2018 & 2022 & 2029) & (K Units)

Table 32. United States Based Radiation Therapy Planning System Manufacturers, Headquarters and Production Site (States, Country)

Table 33. United States Based Manufacturers Radiation Therapy Planning System Production Value, (2018-2023) & (USD Million)

Table 34. United States Based Manufacturers Radiation Therapy Planning System Production Value Market Share (2018-2023)

Table 35. United States Based Manufacturers Radiation Therapy Planning System Production (2018-2023) & (K Units)

Table 36. United States Based Manufacturers Radiation Therapy Planning System Production Market Share (2018-2023)

Table 37. China Based Radiation Therapy Planning System Manufacturers, Headquarters and Production Site (Province, Country)

Table 38. China Based Manufacturers Radiation Therapy Planning System Production Value, (2018-2023) & (USD Million)

Table 39. China Based Manufacturers Radiation Therapy Planning System Production Value Market Share (2018-2023)

Table 40. China Based Manufacturers Radiation Therapy Planning System Production (2018-2023) & (K Units)

Table 41. China Based Manufacturers Radiation Therapy Planning System Production Market Share (2018-2023)

Table 42. Rest of World Based Radiation Therapy Planning System Manufacturers, Headquarters and Production Site (States, Country)

Table 43. Rest of World Based Manufacturers Radiation Therapy Planning System Production Value, (2018-2023) & (USD Million)

Table 44. Rest of World Based Manufacturers Radiation Therapy Planning System Production Value Market Share (2018-2023)

Table 45. Rest of World Based Manufacturers Radiation Therapy Planning System Production (2018-2023) & (K Units)

Table 46. Rest of World Based Manufacturers Radiation Therapy Planning System Production Market Share (2018-2023)

Table 47. World Radiation Therapy Planning System Production Value by Type, (USD Million), 2018 & 2022 & 2029

Table 48. World Radiation Therapy Planning System Production by Type (2018-2023) & (K Units)

Table 49. World Radiation Therapy Planning System Production by Type (2024-2029) & (K Units)

Table 50. World Radiation Therapy Planning System Production Value by Type (2018-2023) & (USD Million)

Table 51. World Radiation Therapy Planning System Production Value by Type (2024-2029) & (USD Million)

Table 52. World Radiation Therapy Planning System Average Price by Type (2018-2023) & (US\$/Unit)

Table 53. World Radiation Therapy Planning System Average Price by Type (2024-2029) & (US\$/Unit)

Table 54. World Radiation Therapy Planning System Production Value by Application, (USD Million), 2018 & 2022 & 2029

Table 55. World Radiation Therapy Planning System Production by Application (2018-2023) & (K Units)

Table 56. World Radiation Therapy Planning System Production by Application (2024-2029) & (K Units)

Table 57. World Radiation Therapy Planning System Production Value by Application (2018-2023) & (USD Million)

Table 58. World Radiation Therapy Planning System Production Value by Application (2024-2029) & (USD Million)

Table 59. World Radiation Therapy Planning System Average Price by Application



(2018-2023) & (US\$/Unit)

Table 60. World Radiation Therapy Planning System Average Price by Application (2024-2029) & (US\$/Unit)

Table 61. Accuray Basic Information, Manufacturing Base and Competitors

Table 62. Accuray Major Business

Table 63. Accuray Radiation Therapy Planning System Product and Services

Table 64. Accuray Radiation Therapy Planning System Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 65. Accuray Recent Developments/Updates

Table 66. Accuray Competitive Strengths & Weaknesses

Table 67. Varian Basic Information, Manufacturing Base and Competitors

Table 68. Varian Major Business

Table 69. Varian Radiation Therapy Planning System Product and Services

Table 70. Varian Radiation Therapy Planning System Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 71. Varian Recent Developments/Updates

Table 72. Varian Competitive Strengths & Weaknesses

Table 73. Elekta Basic Information, Manufacturing Base and Competitors

Table 74. Elekta Major Business

Table 75. Elekta Radiation Therapy Planning System Product and Services

Table 76. Elekta Radiation Therapy Planning System Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 77. Elekta Recent Developments/Updates

Table 78. Elekta Competitive Strengths & Weaknesses

Table 79. Philips Healthcare Basic Information, Manufacturing Base and Competitors

Table 80. Philips Healthcare Major Business

Table 81. Philips Healthcare Radiation Therapy Planning System Product and Services

Table 82. Philips Healthcare Radiation Therapy Planning System Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 83. Philips Healthcare Recent Developments/Updates

Table 84. Philips Healthcare Competitive Strengths & Weaknesses

Table 85. RaySearch Basic Information, Manufacturing Base and Competitors

Table 86. RaySearch Major Business

Table 87. RaySearch Radiation Therapy Planning System Product and Services

Table 88. RaySearch Radiation Therapy Planning System Production (K Units), Price

(US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 89. RaySearch Recent Developments/Updates

Table 90. RaySearch Competitive Strengths & Weaknesses

Table 91. Prowess Basic Information, Manufacturing Base and Competitors

Table 92. Prowess Major Business

Table 93. Prowess Radiation Therapy Planning System Product and Services

Table 94. Prowess Radiation Therapy Planning System Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 95. Prowess Recent Developments/Updates

Table 96. Prowess Competitive Strengths & Weaknesses

Table 97. Linatech Basic Information, Manufacturing Base and Competitors

Table 98. Linatech Major Business

Table 99. Linatech Radiation Therapy Planning System Product and Services

Table 100. Linatech Radiation Therapy Planning System Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 101. Linatech Recent Developments/Updates

Table 102. Linatech Competitive Strengths & Weaknesses

Table 103. Tecnicas Radiofisicas Basic Information, Manufacturing Base and Competitors

Table 104. Tecnicas Radiofisicas Major Business

Table 105. Tecnicas Radiofisicas Radiation Therapy Planning System Product and Services

Table 106. Tecnicas Radiofisicas Radiation Therapy Planning System Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 107. Tecnicas Radiofisicas Recent Developments/Updates

Table 108. Tecnicas Radiofisicas Competitive Strengths & Weaknesses

Table 109. DOSIsoft Basic Information, Manufacturing Base and Competitors

Table 110. DOSIsoft Major Business

Table 111. DOSIsoft Radiation Therapy Planning System Product and Services

Table 112. DOSIsoft Radiation Therapy Planning System Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 113. DOSIsoft Recent Developments/Updates

Table 114. DOSIsoft Competitive Strengths & Weaknesses

Table 115. Nuclemed Basic Information, Manufacturing Base and Competitors

Table 116. Nuclemed Major Business

Table 117. Nuclemed Radiation Therapy Planning System Product and Services

Table 118. Nuclemed Radiation Therapy Planning System Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 119. Nuclemed Recent Developments/Updates

Table 120. Nuclemed Competitive Strengths & Weaknesses

Table 121. Mevis Basic Information, Manufacturing Base and Competitors

Table 122. Mevis Major Business

Table 123. Mevis Radiation Therapy Planning System Product and Services

Table 124. Mevis Radiation Therapy Planning System Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 125. Mevis Recent Developments/Updates

Table 126. Mevis Competitive Strengths & Weaknesses

Table 127. HoKai Basic Information, Manufacturing Base and Competitors

Table 128. HoKai Major Business

Table 129. HoKai Radiation Therapy Planning System Product and Services

Table 130. HoKai Radiation Therapy Planning System Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 131. HoKai Recent Developments/Updates

Table 132. HoKai Competitive Strengths & Weaknesses

Table 133. Neusoft Medical Systems Co., Ltd Basic Information, Manufacturing Base and Competitors

Table 134. Neusoft Medical Systems Co., Ltd Major Business

Table 135. Neusoft Medical Systems Co., Ltd Radiation Therapy Planning System Product and Services

Table 136. Neusoft Medical Systems Co., Ltd Radiation Therapy Planning System Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 137. Neusoft Medical Systems Co., Ltd Recent Developments/Updates

Table 138. BEIJING ASTRO TECHNOLOGY LTD.CO Basic Information, Manufacturing Base and Competitors

Table 139. BEIJING ASTRO TECHNOLOGY LTD.CO Major Business

Table 140. BEIJING ASTRO TECHNOLOGY LTD.CO Radiation Therapy Planning System Product and Services

Table 141. BEIJING ASTRO TECHNOLOGY LTD.CO Radiation Therapy Planning System Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross

Margin and Market Share (2018-2023)

Table 142. Global Key Players of Radiation Therapy Planning System Upstream (Raw Materials)

Table 143. Radiation Therapy Planning System Typical Customers

Table 144. Radiation Therapy Planning System Typical Distributors

## List Of Figures

### LIST OF FIGURES

- Figure 1. Radiation Therapy Planning System Picture
- Figure 2. World Radiation Therapy Planning System Production Value: 2018 & 2022 & 2029, (USD Million)
- Figure 3. World Radiation Therapy Planning System Production Value and Forecast (2018-2029) & (USD Million)
- Figure 4. World Radiation Therapy Planning System Production (2018-2029) & (K Units)
- Figure 5. World Radiation Therapy Planning System Average Price (2018-2029) & (US\$/Unit)
- Figure 6. World Radiation Therapy Planning System Production Value Market Share by Region (2018-2029)
- Figure 7. World Radiation Therapy Planning System Production Market Share by Region (2018-2029)
- Figure 8. North America Radiation Therapy Planning System Production (2018-2029) & (K Units)
- Figure 9. Europe Radiation Therapy Planning System Production (2018-2029) & (K Units)
- Figure 10. China Radiation Therapy Planning System Production (2018-2029) & (K Units)
- Figure 11. Japan Radiation Therapy Planning System Production (2018-2029) & (K Units)
- Figure 12. Radiation Therapy Planning System Market Drivers
- Figure 13. Factors Affecting Demand
- Figure 14. World Radiation Therapy Planning System Consumption (2018-2029) & (K Units)
- Figure 15. World Radiation Therapy Planning System Consumption Market Share by Region (2018-2029)
- Figure 16. United States Radiation Therapy Planning System Consumption (2018-2029) & (K Units)
- Figure 17. China Radiation Therapy Planning System Consumption (2018-2029) & (K Units)
- Figure 18. Europe Radiation Therapy Planning System Consumption (2018-2029) & (K Units)
- Figure 19. Japan Radiation Therapy Planning System Consumption (2018-2029) & (K Units)
- Figure 20. South Korea Radiation Therapy Planning System Consumption (2018-2029)

& (K Units)

Figure 21. ASEAN Radiation Therapy Planning System Consumption (2018-2029) & (K Units)

Figure 22. India Radiation Therapy Planning System Consumption (2018-2029) & (K Units)

Figure 23. Producer Shipments of Radiation Therapy Planning System by Manufacturer Revenue (\$MM) and Market Share (%): 2022

Figure 24. Global Four-firm Concentration Ratios (CR4) for Radiation Therapy Planning System Markets in 2022

Figure 25. Global Four-firm Concentration Ratios (CR8) for Radiation Therapy Planning System Markets in 2022

Figure 26. United States VS China: Radiation Therapy Planning System Production Value Market Share Comparison (2018 & 2022 & 2029)

Figure 27. United States VS China: Radiation Therapy Planning System Production Market Share Comparison (2018 & 2022 & 2029)

Figure 28. United States VS China: Radiation Therapy Planning System Consumption Market Share Comparison (2018 & 2022 & 2029)

Figure 29. United States Based Manufacturers Radiation Therapy Planning System Production Market Share 2022

Figure 30. China Based Manufacturers Radiation Therapy Planning System Production Market Share 2022

Figure 31. Rest of World Based Manufacturers Radiation Therapy Planning System Production Market Share 2022

Figure 32. World Radiation Therapy Planning System Production Value by Type, (USD Million), 2018 & 2022 & 2029

Figure 33. World Radiation Therapy Planning System Production Value Market Share by Type in 2022

Figure 34. Software

Figure 35. Hardware

Figure 36. World Radiation Therapy Planning System Production Market Share by Type (2018-2029)

Figure 37. World Radiation Therapy Planning System Production Value Market Share by Type (2018-2029)

Figure 38. World Radiation Therapy Planning System Average Price by Type (2018-2029) & (US\$/Unit)

Figure 39. World Radiation Therapy Planning System Production Value by Application, (USD Million), 2018 & 2022 & 2029

Figure 40. World Radiation Therapy Planning System Production Value Market Share by Application in 2022

Figure 41. Conformal Radiation Therapy

Figure 42. Electron Beam Radiation Therapy

Figure 43. Radiosurgery with Linear Accelerators

Figure 44. Intensity Modulated Radiation Therapy

Figure 45. Other

Figure 46. World Radiation Therapy Planning System Production Market Share by Application (2018-2029)

Figure 47. World Radiation Therapy Planning System Production Value Market Share by Application (2018-2029)

Figure 48. World Radiation Therapy Planning System Average Price by Application (2018-2029) & (US\$/Unit)

Figure 49. Radiation Therapy Planning System Industry Chain

Figure 50. Radiation Therapy Planning System Procurement Model

Figure 51. Radiation Therapy Planning System Sales Model

Figure 52. Radiation Therapy Planning System Sales Channels, Direct Sales, and Distribution

Figure 53. Methodology

Figure 54. Research Process and Data Source

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