+357 96 030922
info@marketpublishers.com

Global Titanium-44 Supply, Demand and Key Producers, 2026-2032

https://marketpublishers.com/r/GF967F2F3FA6EN.html
Date: September 2026
Pages: 94
Price: US$ 4,480.00 (Single User License)
ID: GF967F2F3FA6EN

Abstracts

The global Titanium-44 market size is expected to reach $ million by 2032, rising at a market growth of %CAGR during the forecast period (2026-2032).

In 2025, global Titanium-44 production was approximately 77 grams, with an average global market price of around $18,000 per gram. That year, total global production capacity for Titanium-44 reached approximately 130 grams. The industry's average gross profit margin stood at about 58%. Titanium-44 is an artificial radioactive isotope of titanium (atomic number 22, mass number 44). While naturally occurring titanium consists primarily of the stable isotopes ^{46}Ti, ^{47}Ti, ^{48}Ti, ^{49}Ti, and ^{50}Ti, ^{44}Ti has no natural stable reserves and is produced mainly through artificial nuclear reactions. With a relatively long half-life of approximately 60 years, ^{44}Ti is a typical long-lived radionuclide; it decays primarily via electron capture into scandium-44 (^{44}Sc), which subsequently decays by emitting positrons. This creates a "^{44}Ti/^{44}Sc generator" system capable of producing positron-emitting radionuclides. Due to its long half-life, stable decay chain, and ability to provide a continuous supply of ^{44}Sc, its applications focus on nuclear medicine research, the development of PET imaging radionuclides, radiopharmaceutical research, and nuclear physics experiments. Additionally, ^{44}Ti is used in astrophysics—for instance, to study nucleosynthesis mechanisms during supernova explosions—serving as a crucial tracer radionuclide for investigating stellar explosions and the formation of elements in the universe. Currently, ^{44}Ti is a high-value, small-scale research-grade radioisotope; commercial supply targets nuclear medicine research institutions, astrophysics experimental teams, and specialized isotope suppliers.

The upstream supply chain for ^{44}Ti primarily encompasses the supply of high-purity titanium target materials, the preparation of isotope-enriched materials, particle

+357 96 030922
info@marketpublishers.com

accelerator facilities, and nuclear reaction production capabilities. Since significant, directly usable quantities of ^{44}Ti do not exist in natural titanium, commercial production typically involves bombarding target materials—such as calcium or titanium—with high-energy particles to generate ^{44}Ti via nuclear reactions. For example, bombarding high-purity calcium-40 (^{40}Ca) targets with alpha particles is a common production route. Upstream production requires high-energy cyclotrons, high-intensity particle beams, technology for preparing high-purity targets, and rigorous control over irradiation processes. Due to the low production efficiency and long preparation cycle of ^44Ti, combined with the complexities of managing radioactive materials and meeting nuclear facility licensing requirements, there are currently few institutions worldwide capable of large-scale production; these are primarily national laboratories and research institutes equipped with large-scale accelerators, nuclear physics experimental platforms, and isotope production capabilities. The supply volume and cost of ^44Ti are largely determined by factors such as the availability of high-purity target materials, nuclear reaction efficiency, and the capabilities of irradiation facilities. The midstream segment of the ^44Ti industry chain primarily encompasses the separation of ^44Ti reaction products, radiochemical purification, the fabrication of ^44Ti/^44Sc generators, quality control, and product packaging and distribution. Since nuclear reactions generate various byproduct nuclides, radiochemical techniques—such as ion exchange, solvent extraction, and chromatography—are required to remove impurities and obtain high-purity ^44Ti products. Given that ^44Ti has a long half-life, it can be paired with the short-lived ^44Sc to create a long-term radioactive generator; consequently, midstream technological priorities include not only the production of high-purity ^44Ti but also generator system design and ensuring stable ^44Sc elution performance. ^44Ti/^44Sc generators provide a continuous source of positron-emitting nuclides for PET research and theoretically reduce reliance on large cyclotrons, making them a subject of significant interest in the field of nuclear medicine. This midstream segment demands capabilities in nuclear chemical separation, radioactive quality control, and generator engineering, presenting a high technical barrier to entry. Currently, these products are supplied primarily for research purposes, typically on a customized, small-batch basis. Downstream applications of ^44Ti are concentrated in nuclear medicine research, PET imaging technology, radiopharmaceutical development, and basic scientific research. Nuclear medicine represents one of the most promising areas for future application; the ^44Sc produced by ^44Ti/^44Sc generators can be utilized in PET molecular imaging research to develop novel diagnostic tracers for the precision imaging of tumors, cardiovascular diseases, and other conditions. Furthermore, as a long-lived radionuclide, ^44Ti holds significant research value in astrophysics, where scientists study the distribution of ^44Ti in supernova remnants to gain insights into stellar explosion processes, nucleosynthesis mechanisms, and the

+357 96 030922
info@marketpublishers.com

patterns of elemental formation in the universe. At the same time, ^44Ti can be used in nuclear physics experiments, research on radioactivity standards, and detector performance testing. In the future, driven by advancements in precision medicine, the diversification of PET radionuclides, and progress in space astrophysics research, the value of ^44Ti as a long-lived radionuclide for scientific research will be further enhanced.

The primary driver for the development of the Titanium-44 sector stems from advancements in nuclear medicine molecular imaging and precision diagnostics. With a long half-life of approximately 60 years, ^44Ti continuously generates the positron-emitting radionuclide ^44Sc through decay; this forms a ^44Ti/^44Sc generator system, providing a stable, long-term source of radionuclides for PET (Positron Emission Tomography) research. Unlike short-lived PET radionuclides that rely on immediate production via large cyclotrons, ^44Ti/^44Sc generators offer advantages such as long shelf-life and sustainable supply, theoretically enhancing the accessibility of PET radionuclides for nuclear medicine centers and research institutions. The ongoing evolution of precision oncology, molecular imaging, and radiopharmaceutical development has fueled a growing demand for novel PET radionuclides and long-term supply generator technologies, thereby propelling the growth of the Titanium-44 industry.

In recent years, the rapid advancement of radiopharmaceuticals and theranostics has stimulated demand for new nuclear medicine isotopes. ^44Sc, produced via ^44Ti decay, is a positron emitter suitable for developing PET imaging agents; it complements therapeutic radionuclide systems and facilitates applications such as drug screening, targeted molecule evaluation, and treatment regimen design. As precision cancer therapy, targeted ligand development, and radiopharmaceutical commercialization accelerate, research institutions and pharmaceutical companies are increasingly exploring PET radionuclide systems capable of long-term supply. Looking ahead, as technologies for ^44Sc labeling, chelator systems, and novel radiopharmaceuticals mature, the utility of ^44Ti/^44Sc generators in nuclear medicine diagnostics and innovative drug development is expected to grow significantly.

Key constraints on the development of the Titanium-44 industry include production complexity and supply capacity. Due to the extremely low natural abundance of ^44Ti, artificial production relies on high-energy particle accelerators; the process encompasses multiple stages, including the preparation of high-purity target materials, high-energy irradiation, radiochemical separation, and long-term quality control. In recent years, however, the construction of large-scale accelerator facilities, the

+357 96 030922
info@marketpublishers.com

optimization of nuclear reaction technologies, and the development of automated radiochemical equipment have led to continuous improvements in ^44Ti production efficiency and product purity control. At the same time, growing global concern regarding the security of medical radioisotope supplies is driving research institutions and nuclear technology entities to strengthen their production capabilities for long-lived nuclides. In the future, institutions possessing high-energy accelerator resources, nuclear chemical separation technologies, and stable supply systems will hold a competitive advantage in the Titanium-44 market.

Report Scope

This report studies the global Titanium-44 production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Titanium-44 and provides market size (US$ million) and Year-over-Year (YoY) Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of Titanium-44 that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Titanium-44 total production and demand, 2021-2032, (Gram)

Global Titanium-44 total production value, 2021-2032, (USD Million)

Global Titanium-44 production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (Gram), (based on production site)

Global Titanium-44 consumption by region & country, CAGR, 2021-2032 & (Gram)

U.S. VS China: Titanium-44 domestic production, consumption, key domestic manufacturers and share

Global Titanium-44 production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (Gram)

Global Titanium-44 production by Type, production, value, CAGR, 2021-2032,

+357 96 030922
info@marketpublishers.com

(USD Million) & (Gram)

Global Titanium-44 production by Application, production, value, CAGR, 2021-2032, (USD Million) & (Gram)

This report profiles key players in the global Titanium-44 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 NIDC(DOE IP), ROSATOM, Cyclotron Co., Ltd., etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Titanium-44 market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US$ Millions), volume (production, consumption) & (Gram) and average price (US$/g) by manufacturer, by Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

Global Titanium-44 Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

+357 96 030922
info@marketpublishers.com

India

Rest of World

Global Titanium-44 Market, Segmentation by Type:

Radionuclidic Purity: 95%-99%

Radionuclidic Purity: ?99%

Global Titanium-44 Market, Segmentation by Product Form:

Titanium-44 Solution

Titanium-44 Standard Source

Solid Titanium-44 Compound

Global Titanium-44 Market, Segmentation by Purity Grade:

Research-grade Titanium-44

High Radiochemical Purity Titanium-44

Global Titanium-44 Market, Segmentation by Production Route:

Reactor-produced Gold-199

Accelerator-produced Gold-199

Laboratory-produced Gold-199

Global Titanium-44 Market, Segmentation by Application:

+357 96 030922
info@marketpublishers.com

Environmental Testing

Scientific Research

Companies Profiled:

NIDC(DOE IP)

ROSATOM

Cyclotron Co., Ltd.

Key Questions Answered:

1. How big is the global Titanium-44 market?
2. What is the demand of the global Titanium-44 market?
3. What is the year over year growth of the global Titanium-44 market?
4. What is the production and production value of the global Titanium-44 market?
5. Who are the key producers in the global Titanium-44 market?
6. What are the growth factors driving the market demand?

+357 96 030922
info@marketpublishers.com

Contents

1 SUPPLY SUMMARY
1.1 Titanium-44 Introduction
1.2 World Titanium-44 Supply & Forecast
  1.2.1 World Titanium-44 Production Value (2021 & 2025 & 2032)
  1.2.2 World Titanium-44 Production (2021-2032)
  1.2.3 World Titanium-44 Pricing Trends (2021-2032)
1.3 World Titanium-44 Production by Region (Based on Production Site)
  1.3.1 World Titanium-44 Production Value by Region (2021-2032)
  1.3.2 World Titanium-44 Production by Region (2021-2032)
  1.3.3 World Titanium-44 Average Price by Region (2021-2032)
  1.3.4 North America Titanium-44 Production (2021-2032)
  1.3.5 Europe Titanium-44 Production (2021-2032)
  1.3.6 China Titanium-44 Production (2021-2032)
  1.3.7 Japan Titanium-44 Production (2021-2032)
1.4 Market Drivers, Restraints and Trends
  1.4.1 Titanium-44 Market Drivers
  1.4.2 Factors Affecting Demand
  1.4.3 Titanium-44 Major Market Trends

2 DEMAND SUMMARY
2.1 World Titanium-44 Demand (2021-2032)
2.2 World Titanium-44 Consumption by Region
  2.2.1 World Titanium-44 Consumption by Region (2021-2026)
  2.2.2 World Titanium-44 Consumption Forecast by Region (2027-2032)
2.3 United States Titanium-44 Consumption (2021-2032)
2.4 China Titanium-44 Consumption (2021-2032)
2.5 Europe Titanium-44 Consumption (2021-2032)
2.6 Japan Titanium-44 Consumption (2021-2032)
2.7 South Korea Titanium-44 Consumption (2021-2032)
2.8 ASEAN Titanium-44 Consumption (2021-2032)
2.9 India Titanium-44 Consumption (2021-2032)

3 WORLD MANUFACTURERS COMPETITIVE ANALYSIS
3.1 World Titanium-44 Production Value by Manufacturer (2021-2026)
3.2 World Titanium-44 Production by Manufacturer (2021-2026)
3.3 World Titanium-44 Average Price by Manufacturer (2021-2026)
3.4 Titanium-44 Company Evaluation Quadrant

+357 96 030922
info@marketpublishers.com

3.5 Industry Rank and Concentration Rate (CR)
3.5.1 Global Titanium-44 Industry Rank of Major Manufacturers
3.5.2 Global Concentration Ratios (CR4) for Titanium-44 in 2025
3.5.3 Global Concentration Ratios (CR8) for Titanium-44 in 2025
3.6 Titanium-44 Market: Overall Company Footprint Analysis
3.6.1 Titanium-44 Market: Region Footprint
3.6.2 Titanium-44 Market: Company Product Type Footprint
3.6.3 Titanium-44 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: Titanium-44 Production Value Comparison
4.1.1 United States VS China: Titanium-44 Production Value Comparison (2021 & 2025 & 2032)
4.1.2 United States VS China: Titanium-44 Production Value Market Share Comparison (2021 & 2025 & 2032)
4.2 United States VS China: Titanium-44 Production Comparison
4.2.1 United States VS China: Titanium-44 Production Comparison (2021 & 2025 & 2032)
4.2.2 United States VS China: Titanium-44 Production Market Share Comparison (2021 & 2025 & 2032)
4.3 United States VS China: Titanium-44 Consumption Comparison
4.3.1 United States VS China: Titanium-44 Consumption Comparison (2021 & 2025 & 2032)
4.3.2 United States VS China: Titanium-44 Consumption Market Share Comparison (2021 & 2025 & 2032)
4.4 United States Based Titanium-44 Manufacturers and Market Share, 2021-2026
4.4.1 United States Based Titanium-44 Manufacturers, Headquarters and Production Site (States, Country)
4.4.2 United States Based Manufacturers Titanium-44 Production Value (2021-2026)
4.4.3 United States Based Manufacturers Titanium-44 Production (2021-2026)
4.5 China Based Titanium-44 Manufacturers and Market Share
4.5.1 China Based Titanium-44 Manufacturers, Headquarters and Production Site (Province, Country)

+357 96 030922
info@marketpublishers.com

4.5.2 China Based Manufacturers Titanium-44 Production Value (2021-2026)
4.5.3 China Based Manufacturers Titanium-44 Production (2021-2026)
4.6 Rest of World Based Titanium-44 Manufacturers and Market Share, 2021-2026
4.6.1 Rest of World Based Titanium-44 Manufacturers, Headquarters and Production Site (State, Country)
4.6.2 Rest of World Based Manufacturers Titanium-44 Production Value (2021-2026)
4.6.3 Rest of World Based Manufacturers Titanium-44 Production (2021-2026)

5 MARKET ANALYSIS BY TYPE
5.1 World Titanium-44 Market Size Overview by Type: 2021 VS 2025 VS 2032
5.2 Segment Introduction by Type
5.2.1 Radionuclidic Purity: 95%-99%
5.2.2 Radionuclidic Purity: ?99%
5.3 Market Segment by Type
5.3.1 World Titanium-44 Production by Type (2021-2032)
5.3.2 World Titanium-44 Production Value by Type (2021-2032)
5.3.3 World Titanium-44 Average Price by Type (2021-2032)

6 MARKET ANALYSIS BY PRODUCT FORM
6.1 World Titanium-44 Market Size Overview by Product Form: 2021 VS 2025 VS 2032
6.2 Segment Introduction by Product Form
6.2.1 Titanium-44 Solution
6.2.2 Titanium-44 Standard Source
6.2.3 Solid Titanium-44 Compound
6.3 Market Segment by Product Form
6.3.1 World Titanium-44 Production by Product Form (2021-2032)
6.3.2 World Titanium-44 Production Value by Product Form (2021-2032)
6.3.3 World Titanium-44 Average Price by Product Form (2021-2032)

7 MARKET ANALYSIS BY PURITY GRADE
7.1 World Titanium-44 Market Size Overview by Purity Grade: 2021 VS 2025 VS 2032
7.2 Segment Introduction by Purity Grade
7.2.1 Research-grade Titanium-44
7.2.2 High Radiochemical Purity Titanium-44
7.3 Market Segment by Purity Grade
7.3.1 World Titanium-44 Production by Purity Grade (2021-2032)
7.3.2 World Titanium-44 Production Value by Purity Grade (2021-2032)
7.3.3 World Titanium-44 Average Price by Purity Grade (2021-2032)

+357 96 030922
info@marketpublishers.com

8 MARKET ANALYSIS BY PRODUCTION ROUTE
8.1 World Titanium-44 Market Size Overview by Production Route: 2021 VS 2025 VS 2032
8.2 Segment Introduction by Production Route
8.2.1 Reactor-produced Gold-199
8.2.2 Accelerator-produced Gold-199
8.2.3 Laboratory-produced Gold-199
8.3 Market Segment by Production Route
8.3.1 World Titanium-44 Production by Production Route (2021-2032)
8.3.2 World Titanium-44 Production Value by Production Route (2021-2032)
8.3.3 World Titanium-44 Average Price by Production Route (2021-2032)

9 MARKET ANALYSIS BY APPLICATION
9.1 World Titanium-44 Market Size Overview by Application: 2021 VS 2025 VS 2032
9.2 Segment Introduction by Application
9.2.1 Environmental Testing
9.2.2 Scientific Research
9.3 Market Segment by Application
9.3.1 World Titanium-44 Production by Application (2021-2032)
9.3.2 World Titanium-44 Production Value by Application (2021-2032)
9.3.3 World Titanium-44 Average Price by Application (2021-2032)

10 COMPANY PROFILES
10.1 NIDC(DOE IP)
10.1.1 NIDC(DOE IP) Details
10.1.2 NIDC(DOE IP) Major Business
10.1.3 NIDC(DOE IP) Titanium-44 Product and Services
10.1.4 NIDC(DOE IP) Titanium-44 Production, Price, Value, Gross Margin and Market Share (2021-2026)
10.1.5 NIDC(DOE IP) Recent Developments/Updates
10.1.6 NIDC(DOE IP) Competitive Strengths & Weaknesses
10.2 ROSATOM
10.2.1 ROSATOM Details
10.2.2 ROSATOM Major Business
10.2.3 ROSATOM Titanium-44 Product and Services
10.2.4 ROSATOM Titanium-44 Production, Price, Value, Gross Margin and Market Share (2021-2026)
10.2.5 ROSATOM Recent Developments/Updates
10.2.6 ROSATOM Competitive Strengths & Weaknesses

+357 96 030922
info@marketpublishers.com

10.3 Cyclotron Co., Ltd.
10.3.1 Cyclotron Co., Ltd. Details
10.3.2 Cyclotron Co., Ltd. Major Business
10.3.3 Cyclotron Co., Ltd. Titanium-44 Product and Services
10.3.4 Cyclotron Co., Ltd. Titanium-44 Production, Price, Value, Gross Margin and Market Share (2021-2026)
10.3.5 Cyclotron Co., Ltd. Recent Developments/Updates
10.3.6 Cyclotron Co., Ltd. Competitive Strengths & Weaknesses

11 INDUSTRY CHAIN ANALYSIS
11.1 Titanium-44 Industry Chain
11.2 Titanium-44 Upstream Analysis
11.2.1 Titanium-44 Core Raw Materials
11.2.2 Main Manufacturers of Titanium-44 Core Raw Materials
11.3 Midstream Analysis
11.4 Downstream Analysis
11.5 Titanium-44 Production Mode
11.6 Titanium-44 Procurement Model
11.7 Titanium-44 Industry Sales Model and Sales Channels
11.7.1 Titanium-44 Sales Model
11.7.2 Titanium-44 Typical Distributors

12 RESEARCH FINDINGS AND CONCLUSION

13 APPENDIX
13.1 Methodology
13.2 Research Process and Data Source
13.3 Disclaimer

+357 96 030922
info@marketpublishers.com

List Of Tables

LIST OF TABLES

Table 1. World Titanium-44 Production Value by Region (2021, 2025 and 2032) & (USD Million)
Table 2. World Titanium-44 Production Value by Region (2021-2026) & (USD Million)
Table 3. World Titanium-44 Production Value by Region (2027-2032) & (USD Million)
Table 4. World Titanium-44 Production Value Market Share by Region (2021-2026)
Table 5. World Titanium-44 Production Value Market Share by Region (2027-2032)
Table 6. World Titanium-44 Production by Region (2021-2026) & (Gram)
Table 7. World Titanium-44 Production by Region (2027-2032) & (Gram)
Table 8. World Titanium-44 Production Market Share by Region (2021-2026)
Table 9. World Titanium-44 Production Market Share by Region (2027-2032)
Table 10. World Titanium-44 Average Price by Region (2021-2026) & (US$/g)
Table 11. World Titanium-44 Average Price by Region (2027-2032) & (US$/g)
Table 12. Titanium-44 Major Market Trends
Table 13. World Titanium-44 Consumption Growth Rate Forecast by Region (2021 & 2025 & 2032) & (Gram)
Table 14. World Titanium-44 Consumption by Region (2021-2026) & (Gram)
Table 15. World Titanium-44 Consumption Forecast by Region (2027-2032) & (Gram)
Table 16. World Titanium-44 Production Value by Manufacturer (2021-2026) & (USD Million)
Table 17. Production Value Market Share of Key Titanium-44 Producers in 2025
Table 18. World Titanium-44 Production by Manufacturer (2021-2026) & (Gram)
Table 19. Production Market Share of Key Titanium-44 Producers in 2025
Table 20. World Titanium-44 Average Price by Manufacturer (2021-2026) & (US$/g)
Table 21. Global Titanium-44 Company Evaluation Quadrant
Table 22. World Titanium-44 Industry Rank of Major Manufacturers, Based on Production Value in 2025
Table 23. Head Office and Titanium-44 Production Site of Key Manufacturer
Table 24. Titanium-44 Market: Company Product Type Footprint
Table 25. Titanium-44 Market: Company Product Application Footprint
Table 26. Titanium-44 Competitive Factors
Table 27. Titanium-44 New Entrant and Capacity Expansion Plans
Table 28. Titanium-44 Mergers & Acquisitions Activity
Table 29. United States VS China Titanium-44 Production Value Comparison, (2021 & 2025 & 2032) & (USD Million)
Table 30. United States VS China Titanium-44 Production Comparison, (2021 & 2025 &

+357 96 030922
info@marketpublishers.com

2032) & (Gram)
Table 31. United States VS China Titanium-44 Consumption Comparison, (2021 & 2025 & 2032) & (Gram)
Table 32. United States Based Titanium-44 Manufacturers, Headquarters and Production Site (States, Country)
Table 33. United States Based Manufacturers Titanium-44 Production Value, (2021-2026) & (USD Million)
Table 34. United States Based Manufacturers Titanium-44 Production Value Market Share (2021-2026)
Table 35. United States Based Manufacturers Titanium-44 Production (2021-2026) & (Gram)
Table 36. United States Based Manufacturers Titanium-44 Production Market Share (2021-2026)
Table 37. China Based Titanium-44 Manufacturers, Headquarters and Production Site (Province, Country)
Table 38. China Based Manufacturers Titanium-44 Production Value, (2021-2026) & (USD Million)
Table 39. China Based Manufacturers Titanium-44 Production Value Market Share (2021-2026)
Table 40. China Based Manufacturers Titanium-44 Production, (2021-2026) & (Gram)
Table 41. China Based Manufacturers Titanium-44 Production Market Share (2021-2026)
Table 42. Rest of World Based Titanium-44 Manufacturers, Headquarters and Production Site (State, Country)
Table 43. Rest of World Based Manufacturers Titanium-44 Production Value, (2021-2026) & (USD Million)
Table 44. Rest of World Based Manufacturers Titanium-44 Production Value Market Share (2021-2026)
Table 45. Rest of World Based Manufacturers Titanium-44 Production, (2021-2026) & (Gram)
Table 46. Rest of World Based Manufacturers Titanium-44 Production Market Share (2021-2026)
Table 47. World Titanium-44 Production Value by Type, (USD Million), 2021 & 2025 & 2032
Table 48. World Titanium-44 Production by Type (2021-2026) & (Gram)
Table 49. World Titanium-44 Production by Type (2027-2032) & (Gram)
Table 50. World Titanium-44 Production Value by Type (2021-2026) & (USD Million)
Table 51. World Titanium-44 Production Value by Type (2027-2032) & (USD Million)
Table 52. World Titanium-44 Average Price by Type (2021-2026) & (US$/g)

+357 96 030922
info@marketpublishers.com

Table 53. World Titanium-44 Average Price by Type (2027-2032) & (US$/g)
Table 54. World Titanium-44 Production Value by Product Form, (USD Million), 2021 & 2025 & 2032
Table 55. World Titanium-44 Production by Product Form (2021-2026) & (Gram)
Table 56. World Titanium-44 Production by Product Form (2027-2032) & (Gram)
Table 57. World Titanium-44 Production Value by Product Form (2021-2026) & (USD Million)
Table 58. World Titanium-44 Production Value by Product Form (2027-2032) & (USD Million)
Table 59. World Titanium-44 Average Price by Product Form (2021-2026) & (US$/g)
Table 60. World Titanium-44 Average Price by Product Form (2027-2032) & (US$/g)
Table 61. World Titanium-44 Production Value by Purity Grade, (USD Million), 2021 & 2025 & 2032
Table 62. World Titanium-44 Production by Purity Grade (2021-2026) & (Gram)
Table 63. World Titanium-44 Production by Purity Grade (2027-2032) & (Gram)
Table 64. World Titanium-44 Production Value by Purity Grade (2021-2026) & (USD Million)
Table 65. World Titanium-44 Production Value by Purity Grade (2027-2032) & (USD Million)
Table 66. World Titanium-44 Average Price by Purity Grade (2021-2026) & (US$/g)
Table 67. World Titanium-44 Average Price by Purity Grade (2027-2032) & (US$/g)
Table 68. World Titanium-44 Production Value by Production Route, (USD Million), 2021 & 2025 & 2032
Table 69. World Titanium-44 Production by Production Route (2021-2026) & (Gram)
Table 70. World Titanium-44 Production by Production Route (2027-2032) & (Gram)
Table 71. World Titanium-44 Production Value by Production Route (2021-2026) & (USD Million)
Table 72. World Titanium-44 Production Value by Production Route (2027-2032) & (USD Million)
Table 73. World Titanium-44 Average Price by Production Route (2021-2026) & (US$/g)
Table 74. World Titanium-44 Average Price by Production Route (2027-2032) & (US$/g)
Table 75. World Titanium-44 Production Value by Application, (USD Million), 2021 & 2025 & 2032
Table 76. World Titanium-44 Production by Application (2021-2026) & (Gram)
Table 77. World Titanium-44 Production by Application (2027-2032) & (Gram)
Table 78. World Titanium-44 Production Value by Application (2021-2026) & (USD Million)
Table 79. World Titanium-44 Production Value by Application (2027-2032) & (USD Million)

+357 96 030922
info@marketpublishers.com

Table 80. World Titanium-44 Average Price by Application (2021-2026) & (US$/g)
Table 81. World Titanium-44 Average Price by Application (2027-2032) & (US$/g)
Table 82. NIDC(DOE IP) Basic Information, Manufacturing Base and Competitors
Table 83. NIDC(DOE IP) Major Business
Table 84. NIDC(DOE IP) Titanium-44 Product and Services
Table 85. NIDC(DOE IP) Titanium-44 Production (Gram), Price (US$/g), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
Table 86. NIDC(DOE IP) Recent Developments/Updates
Table 87. NIDC(DOE IP) Competitive Strengths & Weaknesses
Table 88. ROSATOM Basic Information, Manufacturing Base and Competitors
Table 89. ROSATOM Major Business
Table 90. ROSATOM Titanium-44 Product and Services
Table 91. ROSATOM Titanium-44 Production (Gram), Price (US$/g), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
Table 92. ROSATOM Recent Developments/Updates
Table 93. ROSATOM Competitive Strengths & Weaknesses
Table 94. Cyclotron Co., Ltd. Basic Information, Manufacturing Base and Competitors
Table 95. Cyclotron Co., Ltd. Major Business
Table 96. Cyclotron Co., Ltd. Titanium-44 Product and Services
Table 97. Cyclotron Co., Ltd. Titanium-44 Production (Gram), Price (US$/g), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
Table 98. Cyclotron Co., Ltd. Recent Developments/Updates
Table 99. Cyclotron Co., Ltd. Competitive Strengths & Weaknesses
Table 100. Global Key Players of Titanium-44 Upstream (Raw Materials)
Table 101. Global Titanium-44 Typical Customers
Table 102. Titanium-44 Typical Distributors

+357 96 030922
info@marketpublishers.com

List Of Figures

LIST OF FIGURES

Figure 1. Titanium-44 Picture
Figure 2. World Titanium-44 Production Value: 2021 & 2025 & 2032, (USD Million)
Figure 3. World Titanium-44 Production Value and Forecast (2021-2032) & (USD Million)
Figure 4. World Titanium-44 Production (2021-2032) & (Gram)
Figure 5. World Titanium-44 Average Price (2021-2032) & (US$/g)
Figure 6. World Titanium-44 Production Value Market Share by Region (2021-2032)
Figure 7. World Titanium-44 Production Market Share by Region (2021-2032)
Figure 8. North America Titanium-44 Production (2021-2032) & (Gram)
Figure 9. Europe Titanium-44 Production (2021-2032) & (Gram)
Figure 10. China Titanium-44 Production (2021-2032) & (Gram)
Figure 11. Japan Titanium-44 Production (2021-2032) & (Gram)
Figure 12. Titanium-44 Market Drivers
Figure 13. Factors Affecting Demand
Figure 14. World Titanium-44 Consumption (2021-2032) & (Gram)
Figure 15. World Titanium-44 Consumption Market Share by Region (2021-2032)
Figure 16. United States Titanium-44 Consumption (2021-2032) & (Gram)
Figure 17. China Titanium-44 Consumption (2021-2032) & (Gram)
Figure 18. Europe Titanium-44 Consumption (2021-2032) & (Gram)
Figure 19. Japan Titanium-44 Consumption (2021-2032) & (Gram)
Figure 20. South Korea Titanium-44 Consumption (2021-2032) & (Gram)
Figure 21. ASEAN Titanium-44 Consumption (2021-2032) & (Gram)
Figure 22. India Titanium-44 Consumption (2021-2032) & (Gram)
Figure 23. Producer Shipments of Titanium-44 by Manufacturer Revenue ($MM) and Market Share (%): 2025
Figure 24. Global Four-firm Concentration Ratios (CR4) for Titanium-44 Markets in 2025
Figure 25. Global Four-firm Concentration Ratios (CR8) for Titanium-44 Markets in 2025
Figure 26. United States VS China: Titanium-44 Production Value Market Share Comparison (2021 & 2025 & 2032)
Figure 27. United States VS China: Titanium-44 Production Market Share Comparison (2021 & 2025 & 2032)
Figure 28. United States VS China: Titanium-44 Consumption Market Share Comparison (2021 & 2025 & 2032)
Figure 29. United States Based Manufacturers Titanium-44 Production Market Share 2025

+357 96 030922
info@marketpublishers.com

Figure 30. China Based Manufacturers Titanium-44 Production Market Share 2025
Figure 31. Rest of World Based Manufacturers Titanium-44 Production Market Share 2025
Figure 32. World Titanium-44 Production Value by Type, (USD Million), 2021 & 2025 & 2032
Figure 33. World Titanium-44 Production Value Market Share by Type in 2025
Figure 34. Radionuclidic Purity: 95%-99%
Figure 35. Radionuclidic Purity: ?99%
Figure 36. World Titanium-44 Production Market Share by Type (2021-2032)
Figure 37. World Titanium-44 Production Value Market Share by Type (2021-2032)
Figure 38. World Titanium-44 Average Price by Type (2021-2032) & (US$/g)
Figure 39. World Titanium-44 Production Value by Product Form, (USD Million), 2021 & 2025 & 2032
Figure 40. World Titanium-44 Production Value Market Share by Product Form in 2025
Figure 41. Titanium-44 Solution
Figure 42. Titanium-44 Standard Source
Figure 43. Solid Titanium-44 Compound
Figure 44. World Titanium-44 Production Market Share by Product Form (2021-2032)
Figure 45. World Titanium-44 Production Value Market Share by Product Form (2021-2032)
Figure 46. World Titanium-44 Average Price by Product Form (2021-2032) & (US$/g)
Figure 47. World Titanium-44 Production Value by Purity Grade, (USD Million), 2021 & 2025 & 2032
Figure 48. World Titanium-44 Production Value Market Share by Purity Grade in 2025
Figure 49. Research-grade Titanium-44
Figure 50. High Radiochemical Purity Titanium-44
Figure 51. World Titanium-44 Production Market Share by Purity Grade (2021-2032)
Figure 52. World Titanium-44 Production Value Market Share by Purity Grade (2021-2032)
Figure 53. World Titanium-44 Average Price by Purity Grade (2021-2032) & (US$/g)
Figure 54. World Titanium-44 Production Value by Production Route, (USD Million), 2021 & 2025 & 2032
Figure 55. World Titanium-44 Production Value Market Share by Production Route in 2025
Figure 56. Reactor-produced Gold-199
Figure 57. Accelerator-produced Gold-199
Figure 58. Laboratory-produced Gold-199
Figure 59. World Titanium-44 Production Market Share by Production Route (2021-2032)

+357 96 030922
info@marketpublishers.com

Figure 60. World Titanium-44 Production Value Market Share by Production Route (2021-2032)
Figure 61. World Titanium-44 Average Price by Production Route (2021-2032) & (US$/g)
Figure 62. World Titanium-44 Production Value by Application, (USD Million), 2021 & 2025 & 2032
Figure 63. World Titanium-44 Production Value Market Share by Application in 2025
Figure 64. Environmental Testing
Figure 65. Scientific Research
Figure 66. World Titanium-44 Production Market Share by Application (2021-2032)
Figure 67. World Titanium-44 Production Value Market Share by Application (2021-2032)
Figure 68. World Titanium-44 Average Price by Application (2021-2032) & (US$/g)
Figure 69. Titanium-44 Industry Chain
Figure 70. Titanium-44 Procurement Model
Figure 71. Titanium-44 Sales Model
Figure 72. Titanium-44 Sales Channels, Direct Sales, and Distribution
Figure 73. Methodology
Figure 74. Research Process and Data Source

+357 96 030922
info@marketpublishers.com

I would like to order

Product name: Global Titanium-44 Supply, Demand and Key Producers, 2026-2032

Product link: https://marketpublishers.com/r/GF967F2F3FA6EN.html

Price: US$ 4,480.00 (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/GF967F2F3FA6EN.html