+357 96 030922
info@marketpublishers.com

Global XRD and XRF Market Growth 2026-2032

https://marketpublishers.com/r/G72CD5D41C7EEN.html
Date: May 2026
Pages: 131
Price: US$ 3,660.00 (Single User License)
ID: G72CD5D41C7EEN

Abstracts

The global XRD and XRF market size is predicted to grow from US$ 1287 million in 2025 to US$ 2132 million in 2032; it is expected to grow at a CAGR of 7.4% from 2026 to 2032.

An X?ray diffractometer (XRD) is a scientific analytical instrument based on the principle of X?ray diffraction in crystalline materials. When a monochromatic X?ray beam irradiates a sample with a regular atomic arrangement (crystal or polycrystal), constructive interference occurs according to Bragg?s Law (2d sin? = n?), producing characteristic diffraction patterns at specific angles and intensities. An X?ray fluorescence spectrometer (XRF) is a non?destructive elemental analysis instrument based on X?ray fluorescence emission. When high?energy primary X?rays strike a sample, inner?shell electrons of atoms are ionized, creating vacancies. Outer electrons fill these vacancies and emit characteristic fluorescent X?rays with energies unique to each element.Laboratory XRD equipment typically ranges from $15,000 to $500,000 USD; benchtop models cost $15,000?$40,000, while high?end instruments exceed $150,000. XRF is more affordable: handheld XRF is $6,000?$20,000, benchtop XRF $20,000?$80,000, and high?end wavelength?dispersive XRF can reach $150,000?$500,000.

Market Drivers

Growing demand from key industriesThe rapid development of new energy, semiconductors, pharmaceuticals, mining, metallurgy, environmental protection, and material recycling has greatly increased the need for accurate analysis of crystal structure, phase composition, elemental content, and heavy-metal detection. XRD and XRF have become essential instruments for R&D and quality control.

Stringent regulations and compliance requirementsGlobal standards for environmental

+357 96 030922
info@marketpublishers.com

protection, RoHS, food safety, pharmaceutical purity, and consumer product safety force manufacturers to use XRD and XRF for compliance testing. These instruments are often mandatory for quality certification and market access.

Technological innovation and application expansionThe launch of benchtop, portable, and handheld devices has expanded applications from laboratories to on-site and in-line testing. Automation, AI-based data analysis, and cloud computing improve usability and reduce operational difficulty, boosting adoption among small and medium-sized enterprises.

Increased R&D investment and policy supportHigher investment in scientific research, materials science, and laboratories drives equipment purchases. Policies supporting domestic innovation and self-sufficiency in high-end instruments further stimulate market growth.

Advantages of non-destructive and rapid analysisXRD and XRF enable fast, non-destructive, multi-component testing with minimal sample preparation. They improve efficiency and reduce costs compared to traditional chemical methods, supporting intelligent industrial upgrading.

Market Challenges

High upfront and maintenance costsHigh-end XRD and WDXRF systems are expensive. X-ray tubes, detectors, and optical components have limited service lives, leading to high maintenance and calibration costs, which limit adoption among SMEs and institutions in developing regions.

Dependence on imported core componentsKey parts such as high-precision goniometers, detectors, and stable X-ray sources are dominated by international companies. Domestic manufacturers rely on imports, leading to supply chain risks, price volatility, and trade barriers.

Inherent technical limitationsXRD only works for crystalline materials and has low sensitivity to amorphous or trace phases. XRF is weak for light elements and cannot match the detection limits of ICP or mass spectrometry. Matrix interference also affects accuracy in complex samples.

Shortage of professional personnelOperation, calibration, sample preparation, and data interpretation require specialized training. A lack of skilled engineers and application

+357 96 030922
info@marketpublishers.com

specialists limits equipment utilization and market penetration.

Intense competition and price pressureThe low-end market suffers from price wars among domestic brands, while the high-end market is controlled by international giants with strong technical barriers. Alternative technologies such as Raman spectroscopy and IR also compete in some applications.

Strict environmental and upgrading pressurePortable instruments face stability issues in harsh environments. Improving detection standards requires continuous R&D investment to enhance precision and expand element coverage.

LP Information, Inc. (LPI) ' newest research report, the ?XRD and XRF Industry Forecast? looks at past sales and reviews total world XRD and XRF sales in 2025, providing a comprehensive analysis by region and market sector of projected XRD and XRF sales for 2026 through 2032. With XRD and XRF sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US$ millions of the world XRD and XRF industry.

This Insight Report provides a comprehensive analysis of the global XRD and XRF landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyzes the strategies of leading global companies with a focus on XRD and XRF portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms? unique position in an accelerating global XRD and XRF market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for XRD and XRF and breaks down the forecast by Type, by Application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global XRD and XRF.

This report presents a comprehensive overview, market shares, and growth opportunities of XRD and XRF market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

+357 96 030922
info@marketpublishers.com

XRD

XRF

Segmentation by Device Size:

Portable/Handheld

Benchtop

Floor-standing/Large-scale

Segmentation by Performance & Precision Level:

Entry-level

Mid-end

High-end/Research-grade

Segmentation by Application:

Pharma

Biotech

Chemical

Scientific Research Institutes

Others

This report also splits the market by region:

Americas

+357 96 030922
info@marketpublishers.com

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Middle East & Africa

Egypt

+357 96 030922
info@marketpublishers.com

South Africa

Israel

Turkey

GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analysing the company's coverage, product portfolio, its market penetration.

Rigaku

Bruker

PANalytical

Shimadzu

Thermo Fisher

Evident Scientific

Bourevestnik, Inc.

Tongda

Persee

AMETEK

Oxford-Instruments

HORIBA

Hitachi High-tech

+357 96 030922
info@marketpublishers.com

BSI

Malvern Panalytical

Skyray

Focused Photonics

Key Questions Addressed in this Report

What is the 10-year outlook for the global XRD and XRF market?

What factors are driving XRD and XRF market growth, globally and by region?

Which technologies are poised for the fastest growth by market and region?

How do XRD and XRF market opportunities vary by end market size?

How does XRD and XRF break out by Type, by Application?

+357 96 030922
info@marketpublishers.com

Contents

1 SCOPE OF THE REPORT

1.1 Market Introduction
1.2 Years Considered
1.3 Research Objectives
1.4 Market Research Methodology
1.5 Research Process and Data Source
1.6 Economic Indicators
1.7 Currency Considered
1.8 Market Estimation Caveats

2 EXECUTIVE SUMMARY

2.1 World Market Overview
  2.1.1 Global XRD and XRF Annual Sales 2021-2032
  2.1.2 World Current & Future Analysis for XRD and XRF by Geographic Region, 2021, 2025 & 2032
  2.1.3 World Current & Future Analysis for XRD and XRF by Country/Region, 2021, 2025 & 2032
2.2 XRD and XRF Segment by Type
  2.2.1 XRD
  2.2.2 XRF
  2.2.3 XRD and XRF Sales by Type
    2.2.3.1 Global XRD and XRF Sales Market Share by Type (2021-2026)
    2.2.3.2 Global XRD and XRF Revenue and Market Share by Type (2021-2026)
    2.2.3.3 Global XRD and XRF Sale Price by Type (2021-2026)
2.3 XRD and XRF Segment by Device Size
  2.3.1 Portable/Handheld
  2.3.2 Benchtop
  2.3.3 Floor-standing/Large-scale
  2.3.4 XRD and XRF Sales by Device Size
    2.3.4.1 Global XRD and XRF Sales Market Share by Device Size (2021-2026)
    2.3.4.2 Global XRD and XRF Revenue and Market Share by Device Size (2021-2026)
    2.3.4.3 Global XRD and XRF Sale Price by Device Size (2021-2026)
2.4 XRD and XRF Segment by Performance & Precision Level
  2.4.1 Entry-level

+357 96 030922
info@marketpublishers.com

2.4.2 Mid-end
2.4.3 High-end/Research-grade
2.4.4 XRD and XRF Sales by Performance & Precision Level
2.4.4.1 Global XRD and XRF Sales Market Share by Performance & Precision Level (2021-2026)
2.4.4.2 Global XRD and XRF Revenue and Market Share by Performance & Precision Level (2021-2026)
2.4.4.3 Global XRD and XRF Sale Price by Performance & Precision Level (2021-2026)
2.5 XRD and XRF Segment by Application
2.5.1 Pharma
2.5.2 Biotech
2.5.3 Chemical
2.5.4 Scientific Research Institutes
2.5.5 Others
2.5.6 XRD and XRF Sales by Application
2.5.6.1 Global XRD and XRF Sale Market Share by Application (2021-2026)
2.5.6.2 Global XRD and XRF Revenue and Market Share by Application (2021-2026)
2.5.6.3 Global XRD and XRF Sale Price by Application (2021-2026)

3 GLOBAL BY COMPANY

3.1 Global XRD and XRF Breakdown Data by Company
3.1.1 Global XRD and XRF Annual Sales by Company (2021-2026)
3.1.2 Global XRD and XRF Sales Market Share by Company (2021-2026)
3.2 Global XRD and XRF Annual Revenue by Company (2021-2026)
3.2.1 Global XRD and XRF Revenue by Company (2021-2026)
3.2.2 Global XRD and XRF Revenue Market Share by Company (2021-2026)
3.3 Global XRD and XRF Sale Price by Company
3.4 Key Manufacturers XRD and XRF Producing Area Distribution, Sales Area, Product Type
3.4.1 Key Manufacturers XRD and XRF Product Location Distribution
3.4.2 Players XRD and XRF Products Offered
3.5 Market Concentration Rate Analysis
3.5.1 Competition Landscape Analysis
3.5.2 Concentration Ratio (CR3, CR5 and CR10) & (2024-2026)
3.6 New Products and Potential Entrants
3.7 Market M&A Activity & Strategy

+357 96 030922
info@marketpublishers.com

4 WORLD HISTORIC REVIEW FOR XRD AND XRF BY GEOGRAPHIC REGION

4.1 World Historic XRD and XRF Market Size by Geographic Region (2021-2026)
4.1.1 Global XRD and XRF Annual Sales by Geographic Region (2021-2026)
4.1.2 Global XRD and XRF Annual Revenue by Geographic Region (2021-2026)
4.2 World Historic XRD and XRF Market Size by Country/Region (2021-2026)
4.2.1 Global XRD and XRF Annual Sales by Country/Region (2021-2026)
4.2.2 Global XRD and XRF Annual Revenue by Country/Region (2021-2026)
4.3 Americas XRD and XRF Sales Growth
4.4 APAC XRD and XRF Sales Growth
4.5 Europe XRD and XRF Sales Growth
4.6 Middle East & Africa XRD and XRF Sales Growth

5 AMERICAS

5.1 Americas XRD and XRF Sales by Country
5.1.1 Americas XRD and XRF Sales by Country (2021-2026)
5.1.2 Americas XRD and XRF Revenue by Country (2021-2026)
5.2 Americas XRD and XRF Sales by Type (2021-2026)
5.3 Americas XRD and XRF Sales by Application (2021-2026)
5.4 United States
5.5 Canada
5.6 Mexico
5.7 Brazil

6 APAC

6.1 APAC XRD and XRF Sales by Region
6.1.1 APAC XRD and XRF Sales by Region (2021-2026)
6.1.2 APAC XRD and XRF Revenue by Region (2021-2026)
6.2 APAC XRD and XRF Sales by Type (2021-2026)
6.3 APAC XRD and XRF Sales by Application (2021-2026)
6.4 China
6.5 Japan
6.6 South Korea
6.7 Southeast Asia
6.8 India
6.9 Australia
6.10 China Taiwan

+357 96 030922
info@marketpublishers.com

7 EUROPE

7.1 Europe XRD and XRF by Country
  7.1.1 Europe XRD and XRF Sales by Country (2021-2026)
  7.1.2 Europe XRD and XRF Revenue by Country (2021-2026)
7.2 Europe XRD and XRF Sales by Type (2021-2026)
7.3 Europe XRD and XRF Sales by Application (2021-2026)
7.4 Germany
7.5 France
7.6 UK
7.7 Italy
7.8 Russia

8 MIDDLE EAST & AFRICA

8.1 Middle East & Africa XRD and XRF by Country
  8.1.1 Middle East & Africa XRD and XRF Sales by Country (2021-2026)
  8.1.2 Middle East & Africa XRD and XRF Revenue by Country (2021-2026)
8.2 Middle East & Africa XRD and XRF Sales by Type (2021-2026)
8.3 Middle East & Africa XRD and XRF Sales by Application (2021-2026)
8.4 Egypt
8.5 South Africa
8.6 Israel
8.7 Turkey
8.8 GCC Countries

9 MARKET DRIVERS, CHALLENGES AND TRENDS

9.1 Market Drivers & Growth Opportunities
9.2 Market Challenges & Risks
9.3 Industry Trends

10 MANUFACTURING COST STRUCTURE ANALYSIS

10.1 Raw Material and Suppliers
10.2 Manufacturing Cost Structure Analysis of XRD and XRF
10.3 Manufacturing Process Analysis of XRD and XRF
10.4 Industry Chain Structure of XRD and XRF

+357 96 030922
info@marketpublishers.com

11 MARKETING, DISTRIBUTORS AND CUSTOMER

11.1 Sales Channel
  11.1.1 Direct Channels
  11.1.2 Indirect Channels
11.2 XRD and XRF Distributors
11.3 XRD and XRF Customer

12 WORLD FORECAST REVIEW FOR XRD AND XRF BY GEOGRAPHIC REGION

12.1 Global XRD and XRF Market Size Forecast by Region
  12.1.1 Global XRD and XRF Forecast by Region (2027-2032)
  12.1.2 Global XRD and XRF Annual Revenue Forecast by Region (2027-2032)
12.2 Americas Forecast by Country (2027-2032)
12.3 APAC Forecast by Region (2027-2032)
12.4 Europe Forecast by Country (2027-2032)
12.5 Middle East & Africa Forecast by Country (2027-2032)
12.6 Global XRD and XRF Forecast by Type (2027-2032)
12.7 Global XRD and XRF Forecast by Application (2027-2032)

13 KEY PLAYERS ANALYSIS

13.1 Rigaku
  13.1.1 Rigaku Company Information
  13.1.2 Rigaku XRD and XRF Product Portfolios and Specifications
  13.1.3 Rigaku XRD and XRF Sales, Revenue, Price and Gross Margin (2021-2026)
  13.1.4 Rigaku Main Business Overview
  13.1.5 Rigaku Latest Developments
13.2 Bruker
  13.2.1 Bruker Company Information
  13.2.2 Bruker XRD and XRF Product Portfolios and Specifications
  13.2.3 Bruker XRD and XRF Sales, Revenue, Price and Gross Margin (2021-2026)
  13.2.4 Bruker Main Business Overview
  13.2.5 Bruker Latest Developments
13.3 PANalytical
  13.3.1 PANalytical Company Information
  13.3.2 PANalytical XRD and XRF Product Portfolios and Specifications
  13.3.3 PANalytical XRD and XRF Sales, Revenue, Price and Gross Margin

+357 96 030922
info@marketpublishers.com

(2021-2026)
13.3.4 PANalytical Main Business Overview
13.3.5 PANalytical Latest Developments
13.4 Shimadzu
13.4.1 Shimadzu Company Information
13.4.2 Shimadzu XRD and XRF Product Portfolios and Specifications
13.4.3 Shimadzu XRD and XRF Sales, Revenue, Price and Gross Margin (2021-2026)
13.4.4 Shimadzu Main Business Overview
13.4.5 Shimadzu Latest Developments
13.5 Thermo Fisher
13.5.1 Thermo Fisher Company Information
13.5.2 Thermo Fisher XRD and XRF Product Portfolios and Specifications
13.5.3 Thermo Fisher XRD and XRF Sales, Revenue, Price and Gross Margin (2021-2026)
13.5.4 Thermo Fisher Main Business Overview
13.5.5 Thermo Fisher Latest Developments
13.6 Evident Scientific
13.6.1 Evident Scientific Company Information
13.6.2 Evident Scientific XRD and XRF Product Portfolios and Specifications
13.6.3 Evident Scientific XRD and XRF Sales, Revenue, Price and Gross Margin (2021-2026)
13.6.4 Evident Scientific Main Business Overview
13.6.5 Evident Scientific Latest Developments
13.7 Bourevestnik, Inc.
13.7.1 Bourevestnik, Inc. Company Information
13.7.2 Bourevestnik, Inc. XRD and XRF Product Portfolios and Specifications
13.7.3 Bourevestnik, Inc. XRD and XRF Sales, Revenue, Price and Gross Margin (2021-2026)
13.7.4 Bourevestnik, Inc. Main Business Overview
13.7.5 Bourevestnik, Inc. Latest Developments
13.8 Tongda
13.8.1 Tongda Company Information
13.8.2 Tongda XRD and XRF Product Portfolios and Specifications
13.8.3 Tongda XRD and XRF Sales, Revenue, Price and Gross Margin (2021-2026)
13.8.4 Tongda Main Business Overview
13.8.5 Tongda Latest Developments
13.9 Persee
13.9.1 Persee Company Information
13.9.2 Persee XRD and XRF Product Portfolios and Specifications

+357 96 030922
info@marketpublishers.com

13.9.3 Persee XRD and XRF Sales, Revenue, Price and Gross Margin (2021-2026)
13.9.4 Persee Main Business Overview
13.9.5 Persee Latest Developments
13.10 AMETEK
13.10.1 AMETEK Company Information
13.10.2 AMETEK XRD and XRF Product Portfolios and Specifications
13.10.3 AMETEK XRD and XRF Sales, Revenue, Price and Gross Margin (2021-2026)
13.10.4 AMETEK Main Business Overview
13.10.5 AMETEK Latest Developments
13.11 Oxford-Instruments
13.11.1 Oxford-Instruments Company Information
13.11.2 Oxford-Instruments XRD and XRF Product Portfolios and Specifications
13.11.3 Oxford-Instruments XRD and XRF Sales, Revenue, Price and Gross Margin (2021-2026)
13.11.4 Oxford-Instruments Main Business Overview
13.11.5 Oxford-Instruments Latest Developments
13.12 HORIBA
13.12.1 HORIBA Company Information
13.12.2 HORIBA XRD and XRF Product Portfolios and Specifications
13.12.3 HORIBA XRD and XRF Sales, Revenue, Price and Gross Margin (2021-2026)
13.12.4 HORIBA Main Business Overview
13.12.5 HORIBA Latest Developments
13.13 Hitachi High-tech
13.13.1 Hitachi High-tech Company Information
13.13.2 Hitachi High-tech XRD and XRF Product Portfolios and Specifications
13.13.3 Hitachi High-tech XRD and XRF Sales, Revenue, Price and Gross Margin (2021-2026)
13.13.4 Hitachi High-tech Main Business Overview
13.13.5 Hitachi High-tech Latest Developments
13.14 BSI
13.14.1 BSI Company Information
13.14.2 BSI XRD and XRF Product Portfolios and Specifications
13.14.3 BSI XRD and XRF Sales, Revenue, Price and Gross Margin (2021-2026)
13.14.4 BSI Main Business Overview
13.14.5 BSI Latest Developments
13.15 Malvern Panalytical
13.15.1 Malvern Panalytical Company Information
13.15.2 Malvern Panalytical XRD and XRF Product Portfolios and Specifications

+357 96 030922
info@marketpublishers.com

13.15.3 Malvern Panalytical XRD and XRF Sales, Revenue, Price and Gross Margin (2021-2026)
13.15.4 Malvern Panalytical Main Business Overview
13.15.5 Malvern Panalytical Latest Developments
13.16 Skyray
13.16.1 Skyray Company Information
13.16.2 Skyray XRD and XRF Product Portfolios and Specifications
13.16.3 Skyray XRD and XRF Sales, Revenue, Price and Gross Margin (2021-2026)
13.16.4 Skyray Main Business Overview
13.16.5 Skyray Latest Developments
13.17 Focused Photonics
13.17.1 Focused Photonics Company Information
13.17.2 Focused Photonics XRD and XRF Product Portfolios and Specifications
13.17.3 Focused Photonics XRD and XRF Sales, Revenue, Price and Gross Margin (2021-2026)
13.17.4 Focused Photonics Main Business Overview
13.17.5 Focused Photonics Latest Developments

14 RESEARCH FINDINGS AND CONCLUSION

+357 96 030922
info@marketpublishers.com

List Of Tables

LIST OF TABLES

Table 1. XRD and XRF Annual Sales CAGR by Geographic Region (2021, 2025 & 2032) & ($ millions)
Table 2. XRD and XRF Annual Sales CAGR by Country/Region (2021, 2025 & 2032) & ($ millions)
Table 3. Major Players of XRD
Table 4. Major Players of XRF
Table 5. Global XRD and XRF Sales by Type (2021-2026) & (Units)
Table 6. Global XRD and XRF Sales Market Share by Type (2021-2026)
Table 7. Global XRD and XRF Revenue by Type (2021-2026) & ($ million)
Table 8. Global XRD and XRF Revenue Market Share by Type (2021-2026)
Table 9. Global XRD and XRF Sale Price by Type (2021-2026) & (K US$/Unit)
Table 10. Major Players of Portable/Handheld
Table 11. Major Players of Benchtop
Table 12. Major Players of Floor-standing/Large-scale
Table 13. Global XRD and XRF Sales by Device Size (2021-2026) & (Units)
Table 14. Global XRD and XRF Sales Market Share by Device Size (2021-2026)
Table 15. Global XRD and XRF Revenue by Device Size (2021-2026) & ($ million)
Table 16. Global XRD and XRF Revenue Market Share by Device Size (2021-2026)
Table 17. Global XRD and XRF Sale Price by Device Size (2021-2026) & (K US$/Unit)
Table 18. Major Players of Entry-level
Table 19. Major Players of Mid-end
Table 20. Major Players of High-end/Research-grade
Table 21. Global XRD and XRF Sales by Performance & Precision Level (2021-2026) & (Units)
Table 22. Global XRD and XRF Sales Market Share by Performance & Precision Level (2021-2026)
Table 23. Global XRD and XRF Revenue by Performance & Precision Level (2021-2026) & ($ million)
Table 24. Global XRD and XRF Revenue Market Share by Performance & Precision Level (2021-2026)
Table 25. Global XRD and XRF Sale Price by Performance & Precision Level (2021-2026) & (K US$/Unit)
Table 26. Global XRD and XRF Sale by Application (2021-2026) & (Units)
Table 27. Global XRD and XRF Sale Market Share by Application (2021-2026)
Table 28. Global XRD and XRF Revenue by Application (2021-2026) & ($ million)

+357 96 030922
info@marketpublishers.com

Table 29. Global XRD and XRF Revenue Market Share by Application (2021-2026)
Table 30. Global XRD and XRF Sale Price by Application (2021-2026) & (K US$/Unit)
Table 31. Global XRD and XRF Sales by Company (2021-2026) & (Units)
Table 32. Global XRD and XRF Sales Market Share by Company (2021-2026)
Table 33. Global XRD and XRF Revenue by Company (2021-2026) & ($ millions)
Table 34. Global XRD and XRF Revenue Market Share by Company (2021-2026)
Table 35. Global XRD and XRF Sale Price by Company (2021-2026) & (K US$/Unit)
Table 36. Key Manufacturers XRD and XRF Producing Area Distribution and Sales Area
Table 37. Players XRD and XRF Products Offered
Table 38. XRD and XRF Concentration Ratio (CR3, CR5 and CR10) & (2024-2026)
Table 39. New Products and Potential Entrants
Table 40. Market M&A Activity & Strategy
Table 41. Global XRD and XRF Sales by Geographic Region (2021-2026) & (Units)
Table 42. Global XRD and XRF Sales Market Share Geographic Region (2021-2026)
Table 43. Global XRD and XRF Revenue by Geographic Region (2021-2026) & ($ millions)
Table 44. Global XRD and XRF Revenue Market Share by Geographic Region (2021-2026)
Table 45. Global XRD and XRF Sales by Country/Region (2021-2026) & (Units)
Table 46. Global XRD and XRF Sales Market Share by Country/Region (2021-2026)
Table 47. Global XRD and XRF Revenue by Country/Region (2021-2026) & ($ millions)
Table 48. Global XRD and XRF Revenue Market Share by Country/Region (2021-2026)
Table 49. Americas XRD and XRF Sales by Country (2021-2026) & (Units)
Table 50. Americas XRD and XRF Sales Market Share by Country (2021-2026)
Table 51. Americas XRD and XRF Revenue by Country (2021-2026) & ($ millions)
Table 52. Americas XRD and XRF Sales by Type (2021-2026) & (Units)
Table 53. Americas XRD and XRF Sales by Application (2021-2026) & (Units)
Table 54. APAC XRD and XRF Sales by Region (2021-2026) & (Units)
Table 55. APAC XRD and XRF Sales Market Share by Region (2021-2026)
Table 56. APAC XRD and XRF Revenue by Region (2021-2026) & ($ millions)
Table 57. APAC XRD and XRF Sales by Type (2021-2026) & (Units)
Table 58. APAC XRD and XRF Sales by Application (2021-2026) & (Units)
Table 59. Europe XRD and XRF Sales by Country (2021-2026) & (Units)
Table 60. Europe XRD and XRF Revenue by Country (2021-2026) & ($ millions)
Table 61. Europe XRD and XRF Sales by Type (2021-2026) & (Units)
Table 62. Europe XRD and XRF Sales by Application (2021-2026) & (Units)
Table 63. Middle East & Africa XRD and XRF Sales by Country (2021-2026) & (Units)
Table 64. Middle East & Africa XRD and XRF Revenue Market Share by Country

+357 96 030922
info@marketpublishers.com

(2021-2026)
Table 65. Middle East & Africa XRD and XRF Sales by Type (2021-2026) & (Units)
Table 66. Middle East & Africa XRD and XRF Sales by Application (2021-2026) & (Units)
Table 67. Key Market Drivers & Growth Opportunities of XRD and XRF
Table 68. Key Market Challenges & Risks of XRD and XRF
Table 69. Key Industry Trends of XRD and XRF
Table 70. XRD and XRF Raw Material
Table 71. Key Suppliers of Raw Materials
Table 72. XRD and XRF Distributors List
Table 73. XRD and XRF Customer List
Table 74. Global XRD and XRF Sales Forecast by Region (2027-2032) & (Units)
Table 75. Global XRD and XRF Revenue Forecast by Region (2027-2032) & ($ millions)
Table 76. Americas XRD and XRF Sales Forecast by Country (2027-2032) & (Units)
Table 77. Americas XRD and XRF Annual Revenue Forecast by Country (2027-2032) & ($ millions)
Table 78. APAC XRD and XRF Sales Forecast by Region (2027-2032) & (Units)
Table 79. APAC XRD and XRF Annual Revenue Forecast by Region (2027-2032) & ($ millions)
Table 80. Europe XRD and XRF Sales Forecast by Country (2027-2032) & (Units)
Table 81. Europe XRD and XRF Revenue Forecast by Country (2027-2032) & ($ millions)
Table 82. Middle East & Africa XRD and XRF Sales Forecast by Country (2027-2032) & (Units)
Table 83. Middle East & Africa XRD and XRF Revenue Forecast by Country (2027-2032) & ($ millions)
Table 84. Global XRD and XRF Sales Forecast by Type (2027-2032) & (Units)
Table 85. Global XRD and XRF Revenue Forecast by Type (2027-2032) & ($ millions)
Table 86. Global XRD and XRF Sales Forecast by Application (2027-2032) & (Units)
Table 87. Global XRD and XRF Revenue Forecast by Application (2027-2032) & ($ millions)
Table 88. Rigaku Basic Information, XRD and XRF Manufacturing Base, Sales Area and Its Competitors
Table 89. Rigaku XRD and XRF Product Portfolios and Specifications
Table 90. Rigaku XRD and XRF Sales (Units), Revenue ($ Million), Price (K US$/Unit) and Gross Margin (2021-2026)
Table 91. Rigaku Main Business
Table 92. Rigaku Latest Developments
Table 93. Bruker Basic Information, XRD and XRF Manufacturing Base, Sales Area and

+357 96 030922
info@marketpublishers.com

Its Competitors
Table 94. Bruker XRD and XRF Product Portfolios and Specifications
Table 95. Bruker XRD and XRF Sales (Units), Revenue ($ Million), Price (K US$/Unit) and Gross Margin (2021-2026)
Table 96. Bruker Main Business
Table 97. Bruker Latest Developments
Table 98. PANalytical Basic Information, XRD and XRF Manufacturing Base, Sales Area and Its Competitors
Table 99. PANalytical XRD and XRF Product Portfolios and Specifications
Table 100. PANalytical XRD and XRF Sales (Units), Revenue ($ Million), Price (K US$/Unit) and Gross Margin (2021-2026)
Table 101. PANalytical Main Business
Table 102. PANalytical Latest Developments
Table 103. Shimadzu Basic Information, XRD and XRF Manufacturing Base, Sales Area and Its Competitors
Table 104. Shimadzu XRD and XRF Product Portfolios and Specifications
Table 105. Shimadzu XRD and XRF Sales (Units), Revenue ($ Million), Price (K US$/Unit) and Gross Margin (2021-2026)
Table 106. Shimadzu Main Business
Table 107. Shimadzu Latest Developments
Table 108. Thermo Fisher Basic Information, XRD and XRF Manufacturing Base, Sales Area and Its Competitors
Table 109. Thermo Fisher XRD and XRF Product Portfolios and Specifications
Table 110. Thermo Fisher XRD and XRF Sales (Units), Revenue ($ Million), Price (K US$/Unit) and Gross Margin (2021-2026)
Table 111. Thermo Fisher Main Business
Table 112. Thermo Fisher Latest Developments
Table 113. Evident Scientific Basic Information, XRD and XRF Manufacturing Base, Sales Area and Its Competitors
Table 114. Evident Scientific XRD and XRF Product Portfolios and Specifications
Table 115. Evident Scientific XRD and XRF Sales (Units), Revenue ($ Million), Price (K US$/Unit) and Gross Margin (2021-2026)
Table 116. Evident Scientific Main Business
Table 117. Evident Scientific Latest Developments
Table 118. Bourevestnik, Inc. Basic Information, XRD and XRF Manufacturing Base, Sales Area and Its Competitors
Table 119. Bourevestnik, Inc. XRD and XRF Product Portfolios and Specifications
Table 120. Bourevestnik, Inc. XRD and XRF Sales (Units), Revenue ($ Million), Price (K US$/Unit) and Gross Margin (2021-2026)

+357 96 030922
info@marketpublishers.com

Table 121. Bourevestnik, Inc. Main Business
Table 122. Bourevestnik, Inc. Latest Developments
Table 123. Tongda Basic Information, XRD and XRF Manufacturing Base, Sales Area and Its Competitors
Table 124. Tongda XRD and XRF Product Portfolios and Specifications
Table 125. Tongda XRD and XRF Sales (Units), Revenue ($ Million), Price (K US$/Unit) and Gross Margin (2021-2026)
Table 126. Tongda Main Business
Table 127. Tongda Latest Developments
Table 128. Persee Basic Information, XRD and XRF Manufacturing Base, Sales Area and Its Competitors
Table 129. Persee XRD and XRF Product Portfolios and Specifications
Table 130. Persee XRD and XRF Sales (Units), Revenue ($ Million), Price (K US$/Unit) and Gross Margin (2021-2026)
Table 131. Persee Main Business
Table 132. Persee Latest Developments
Table 133. AMETEK Basic Information, XRD and XRF Manufacturing Base, Sales Area and Its Competitors
Table 134. AMETEK XRD and XRF Product Portfolios and Specifications
Table 135. AMETEK XRD and XRF Sales (Units), Revenue ($ Million), Price (K US$/Unit) and Gross Margin (2021-2026)
Table 136. AMETEK Main Business
Table 137. AMETEK Latest Developments
Table 138. Oxford-Instruments Basic Information, XRD and XRF Manufacturing Base, Sales Area and Its Competitors
Table 139. Oxford-Instruments XRD and XRF Product Portfolios and Specifications
Table 140. Oxford-Instruments XRD and XRF Sales (Units), Revenue ($ Million), Price (K US$/Unit) and Gross Margin (2021-2026)
Table 141. Oxford-Instruments Main Business
Table 142. Oxford-Instruments Latest Developments
Table 143. HORIBA Basic Information, XRD and XRF Manufacturing Base, Sales Area and Its Competitors
Table 144. HORIBA XRD and XRF Product Portfolios and Specifications
Table 145. HORIBA XRD and XRF Sales (Units), Revenue ($ Million), Price (K US$/Unit) and Gross Margin (2021-2026)
Table 146. HORIBA Main Business
Table 147. HORIBA Latest Developments
Table 148. Hitachi High-tech Basic Information, XRD and XRF Manufacturing Base, Sales Area and Its Competitors

+357 96 030922
info@marketpublishers.com

Table 149. Hitachi High-tech XRD and XRF Product Portfolios and Specifications
Table 150. Hitachi High-tech XRD and XRF Sales (Units), Revenue ($ Million), Price (K US$/Unit) and Gross Margin (2021-2026)
Table 151. Hitachi High-tech Main Business
Table 152. Hitachi High-tech Latest Developments
Table 153. BSI Basic Information, XRD and XRF Manufacturing Base, Sales Area and Its Competitors
Table 154. BSI XRD and XRF Product Portfolios and Specifications
Table 155. BSI XRD and XRF Sales (Units), Revenue ($ Million), Price (K US$/Unit) and Gross Margin (2021-2026)
Table 156. BSI Main Business
Table 157. BSI Latest Developments
Table 158. Malvern Panalytical Basic Information, XRD and XRF Manufacturing Base, Sales Area and Its Competitors
Table 159. Malvern Panalytical XRD and XRF Product Portfolios and Specifications
Table 160. Malvern Panalytical XRD and XRF Sales (Units), Revenue ($ Million), Price (K US$/Unit) and Gross Margin (2021-2026)
Table 161. Malvern Panalytical Main Business
Table 162. Malvern Panalytical Latest Developments
Table 163. Skyray Basic Information, XRD and XRF Manufacturing Base, Sales Area and Its Competitors
Table 164. Skyray XRD and XRF Product Portfolios and Specifications
Table 165. Skyray XRD and XRF Sales (Units), Revenue ($ Million), Price (K US$/Unit) and Gross Margin (2021-2026)
Table 166. Skyray Main Business
Table 167. Skyray Latest Developments
Table 168. Focused Photonics Basic Information, XRD and XRF Manufacturing Base, Sales Area and Its Competitors
Table 169. Focused Photonics XRD and XRF Product Portfolios and Specifications
Table 170. Focused Photonics XRD and XRF Sales (Units), Revenue ($ Million), Price (K US$/Unit) and Gross Margin (2021-2026)
Table 171. Focused Photonics Main Business
Table 172. Focused Photonics Latest Developments

+357 96 030922
info@marketpublishers.com

List Of Figures

LIST OF FIGURES

Figure 1. Picture of XRD and XRF
Figure 2. XRD and XRF Report Years Considered
Figure 3. Research Objectives
Figure 4. Research Methodology
Figure 5. Research Process and Data Source
Figure 6. Global XRD and XRF Sales Growth Rate 2021-2032 (Units)
Figure 7. Global XRD and XRF Revenue Growth Rate 2021-2032 ($ millions)
Figure 8. XRD and XRF Sales by Geographic Region (2021, 2025 & 2032) & ($ millions)
Figure 9. XRD and XRF Sales Market Share by Country/Region (2025)
Figure 10. XRD and XRF Sales Market Share by Country/Region (2021, 2025 & 2032)
Figure 11. Product Picture of XRD
Figure 12. Product Picture of XRF
Figure 13. Global XRD and XRF Sales Market Share by Type in 2026
Figure 14. Global XRD and XRF Revenue Market Share by Type (2021-2026)
Figure 15. Product Picture of Portable/Handheld
Figure 16. Product Picture of Benchtop
Figure 17. Product Picture of Floor-standing/Large-scale
Figure 18. Global XRD and XRF Sales Market Share by Device Size in 2026
Figure 19. Global XRD and XRF Revenue Market Share by Device Size (2021-2026)
Figure 20. Product Picture of Entry-level
Figure 21. Product Picture of Mid-end
Figure 22. Product Picture of High-end/Research-grade
Figure 23. Global XRD and XRF Sales Market Share by Performance & Precision Level in 2026
Figure 24. Global XRD and XRF Revenue Market Share by Performance & Precision Level (2021-2026)
Figure 25. XRD and XRF Consumed in Pharma
Figure 26. Global XRD and XRF Market: Pharma (2021-2026) & (Units)
Figure 27. XRD and XRF Consumed in Biotech
Figure 28. Global XRD and XRF Market: Biotech (2021-2026) & (Units)
Figure 29. XRD and XRF Consumed in Chemical
Figure 30. Global XRD and XRF Market: Chemical (2021-2026) & (Units)
Figure 31. XRD and XRF Consumed in Scientific Research Institutes
Figure 32. Global XRD and XRF Market: Scientific Research Institutes (2021-2026) &

+357 96 030922
info@marketpublishers.com

(Units)
Figure 33. XRD and XRF Consumed in Others
Figure 34. Global XRD and XRF Market: Others (2021-2026) & (Units)
Figure 35. Global XRD and XRF Sale Market Share by Application (2025)
Figure 36. Global XRD and XRF Revenue Market Share by Application in 2025
Figure 37. XRD and XRF Sales by Company in 2025 (Units)
Figure 38. Global XRD and XRF Sales Market Share by Company in 2025
Figure 39. XRD and XRF Revenue by Company in 2025 ($ millions)
Figure 40. Global XRD and XRF Revenue Market Share by Company in 2025
Figure 41. Global XRD and XRF Sales Market Share by Geographic Region (2021-2026)
Figure 42. Global XRD and XRF Revenue Market Share by Geographic Region in 2025
Figure 43. Americas XRD and XRF Sales 2021-2026 (Units)
Figure 44. Americas XRD and XRF Revenue 2021-2026 ($ millions)
Figure 45. APAC XRD and XRF Sales 2021-2026 (Units)
Figure 46. APAC XRD and XRF Revenue 2021-2026 ($ millions)
Figure 47. Europe XRD and XRF Sales 2021-2026 (Units)
Figure 48. Europe XRD and XRF Revenue 2021-2026 ($ millions)
Figure 49. Middle East & Africa XRD and XRF Sales 2021-2026 (Units)
Figure 50. Middle East & Africa XRD and XRF Revenue 2021-2026 ($ millions)
Figure 51. Americas XRD and XRF Sales Market Share by Country in 2025
Figure 52. Americas XRD and XRF Revenue Market Share by Country (2021-2026)
Figure 53. Americas XRD and XRF Sales Market Share by Type (2021-2026)
Figure 54. Americas XRD and XRF Sales Market Share by Application (2021-2026)
Figure 55. United States XRD and XRF Revenue Growth 2021-2026 ($ millions)
Figure 56. Canada XRD and XRF Revenue Growth 2021-2026 ($ millions)
Figure 57. Mexico XRD and XRF Revenue Growth 2021-2026 ($ millions)
Figure 58. Brazil XRD and XRF Revenue Growth 2021-2026 ($ millions)
Figure 59. APAC XRD and XRF Sales Market Share by Region in 2025
Figure 60. APAC XRD and XRF Revenue Market Share by Region (2021-2026)
Figure 61. APAC XRD and XRF Sales Market Share by Type (2021-2026)
Figure 62. APAC XRD and XRF Sales Market Share by Application (2021-2026)
Figure 63. China XRD and XRF Revenue Growth 2021-2026 ($ millions)
Figure 64. Japan XRD and XRF Revenue Growth 2021-2026 ($ millions)
Figure 65. South Korea XRD and XRF Revenue Growth 2021-2026 ($ millions)
Figure 66. Southeast Asia XRD and XRF Revenue Growth 2021-2026 ($ millions)
Figure 67. India XRD and XRF Revenue Growth 2021-2026 ($ millions)
Figure 68. Australia XRD and XRF Revenue Growth 2021-2026 ($ millions)
Figure 69. China Taiwan XRD and XRF Revenue Growth 2021-2026 ($ millions)

+357 96 030922
info@marketpublishers.com

Figure 70. Europe XRD and XRF Sales Market Share by Country in 2025
Figure 71. Europe XRD and XRF Revenue Market Share by Country (2021-2026)
Figure 72. Europe XRD and XRF Sales Market Share by Type (2021-2026)
Figure 73. Europe XRD and XRF Sales Market Share by Application (2021-2026)
Figure 74. Germany XRD and XRF Revenue Growth 2021-2026 ($ millions)
Figure 75. France XRD and XRF Revenue Growth 2021-2026 ($ millions)
Figure 76. UK XRD and XRF Revenue Growth 2021-2026 ($ millions)
Figure 77. Italy XRD and XRF Revenue Growth 2021-2026 ($ millions)
Figure 78. Russia XRD and XRF Revenue Growth 2021-2026 ($ millions)
Figure 79. Middle East & Africa XRD and XRF Sales Market Share by Country (2021-2026)
Figure 80. Middle East & Africa XRD and XRF Sales Market Share by Type (2021-2026)
Figure 81. Middle East & Africa XRD and XRF Sales Market Share by Application (2021-2026)
Figure 82. Egypt XRD and XRF Revenue Growth 2021-2026 ($ millions)
Figure 83. South Africa XRD and XRF Revenue Growth 2021-2026 ($ millions)
Figure 84. Israel XRD and XRF Revenue Growth 2021-2026 ($ millions)
Figure 85. Turkey XRD and XRF Revenue Growth 2021-2026 ($ millions)
Figure 86. GCC Countries XRD and XRF Revenue Growth 2021-2026 ($ millions)
Figure 87. Manufacturing Cost Structure Analysis of XRD and XRF in 2026
Figure 88. Manufacturing Process Analysis of XRD and XRF
Figure 89. Industry Chain Structure of XRD and XRF
Figure 90. Channels of Distribution
Figure 91. Global XRD and XRF Sales Market Forecast by Region (2027-2032)
Figure 92. Global XRD and XRF Revenue Market Share Forecast by Region (2027-2032)
Figure 93. Global XRD and XRF Sales Market Share Forecast by Type (2027-2032)
Figure 94. Global XRD and XRF Revenue Market Share Forecast by Type (2027-2032)
Figure 95. Global XRD and XRF Sales Market Share Forecast by Application (2027-2032)
Figure 96. Global XRD and XRF Revenue Market Share Forecast by Application (2027-2032)

+357 96 030922
info@marketpublishers.com

I would like to order

Product name: Global XRD and XRF Market Growth 2026-2032

Product link: https://marketpublishers.com/r/G72CD5D41C7EEN.html

Price: US$ 3,660.00 (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/G72CD5D41C7EEN.html