

# Global Handheld XRF Spectrometer Supply, Demand and Key Producers, 2026-2032

<https://marketpublishers.com/r/G6DB8A71AA96EN.html>

Date: February 2026

Pages: 153

Price: US\$ 4,480.00 (Single User License)

ID: G6DB8A71AA96EN

## Abstracts

The global Handheld XRF Spectrometer market size is expected to reach \$ 707 million by 2032, rising at a market growth of 4.7% CAGR during the forecast period (2026-2032).

Handheld XRF Spectrometer are portable, non-destructive rapid detection devices based on X-ray fluorescence technology, featuring a compact, handheld structure integrated with an X-ray tube, detector, signal processing module and human-computer interaction screen. They work by emitting low-power X-rays to excite samples, causing the atoms in the sample to emit characteristic fluorescence, which is collected and analyzed by the detector to quickly achieve qualitative identification and quantitative analysis of elemental composition and content. With the advantages of no sample pre-treatment, fast detection speed, portability and on-site operability, they can avoid sample damage while completing elemental testing, serving as a core detection tool for on-site quality control and material identification in multiple industries.

In 2025, global Handheld XRF Spectrometer production reached approximately 31,051 units, with an average global market price of around K US\$ 16 per unit.

The upstream of Handheld XRF Spectrometer supply chain includes suppliers of core precision components, functional materials, and specialized production and testing equipment; it also covers providers of core algorithms and software authorization for elemental analysis. The midstream consists of professional R&D and manufacturing enterprises that undertake overall structural design, hardware integration, software algorithm development, precision assembly of core components, radiation safety calibration, third-party metrological certification, and customized function upgrading; these enterprises also provide technical training and after-sales calibration services. The downstream covers end-users across multiple industries, professional testing institutions, and instrument distributors; intermediate links such as industry agents, e-commerce platforms, and technical service providers connect midstream manufacturers

with downstream end-users.

The cost structure of Handheld XRF Spectrometer is dominated by core precision component costs, accounting for 55-65% of total costs?among which high-sensitivity SDD detectors and customized low-power X-ray tubes are the top two cost drivers, followed by high-performance signal processing chips and radiation-shielding accessories, with high-end models using imported core components leading to higher costs. The second largest cost component is R&D and certification costs, accounting for 15-20%, including R&D fees for elemental analysis algorithms, radiation safety technology research, and high-cost metrological certification and radiation safety compliance certification fees (mandatory for market access). Supplementary costs include production and testing costs (10-12%, covering precision assembly labor, radiation leakage detection, performance calibration, and aging testing), marketing and channel costs (5-8%, including brand promotion, dealer commissions, and technical training for users), and after-sales and auxiliary costs (3-5%, covering spare part reserves, on-site calibration services, and product packaging and logistics).

This report studies the global Handheld XRF Spectrometer production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Handheld XRF Spectrometer 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 Handheld XRF Spectrometer that contribute to its increasing demand across many markets.

### **Highlights and key features of the study**

Global Handheld XRF Spectrometer total production and demand, 2021-2032, (Units)

Global Handheld XRF Spectrometer total production value, 2021-2032, (USD Million)

Global Handheld XRF Spectrometer production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (Units), (based on production site)

Global Handheld XRF Spectrometer consumption by region & country, CAGR, 2021-2032 & (Units)

U.S. VS China: Handheld XRF Spectrometer domestic production, consumption, key domestic manufacturers and share

Global Handheld XRF Spectrometer production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (Units)

Global Handheld XRF Spectrometer production by Type, production, value, CAGR, 2021-2032, (USD Million) & (Units)

Global Handheld XRF Spectrometer production by Application, production, value, CAGR, 2021-2032, (USD Million) & (Units)

This report profiles key players in the global Handheld XRF Spectrometer 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 Bruker, Thermo Fisher Scientific, Elvatech, SciAps, AMETEK (SPECTRO), Hitachi High-Tech Analytical Science, LANScientific, Skyray Instrument, Evident Scientific, Efficiency Scientific Instrument Co.,Ltd (ESI), 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 Handheld XRF Spectrometer market

**Detailed Segmentation:**

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (Units) and average price (K US\$/Unit) 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 Handheld XRF Spectrometer Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Handheld XRF Spectrometer Market, Segmentation by Type:

WD-XRF Spectrometer

ED-XRF Spectrometer

## Global Handheld XRF Spectrometer Market, Segmentation by Detectable Element Range:

Light Element Compatible

Medium-heavy Metal Detection

Full-element Coverage

## Global Handheld XRF Spectrometer Market, Segmentation by Functional Positioning & Scenario Adaptability:

Basic Sorting Type

Precision Analysis Type

Multi-functional Integrated Type

## Global Handheld XRF Spectrometer Market, Segmentation by Application:

Food Safety & Agriculture

Environmental & Soil Screening

Mining & Exploration

Art & Archaeometry

Others

## **Companies Profiled:**

Bruker

Thermo Fisher Scientific

Elvatech

SciAps

AMETEK (SPECTRO)

Hitachi High-Tech Analytical Science

LANScientific

Skyray Instrument

Evident Scientific

Efficiency Scientific Instrument Co.,Ltd (ESI)

Qualitest International Inc.

Helmut Fische

HUATEC GROUP

Malvern Panalytical

XOS

Viken Detection

### **Key Questions Answered:**

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

## Contents

### 1 SUPPLY SUMMARY

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

### 2 DEMAND SUMMARY

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

### 3 WORLD MANUFACTURERS COMPETITIVE ANALYSIS

- 3.1 World Handheld XRF Spectrometer Production Value by Manufacturer (2021-2026)
- 3.2 World Handheld XRF Spectrometer Production by Manufacturer (2021-2026)
- 3.3 World Handheld XRF Spectrometer Average Price by Manufacturer (2021-2026)
- 3.4 Handheld XRF Spectrometer Company Evaluation Quadrant
- 3.5 Industry Rank and Concentration Rate (CR)
  - 3.5.1 Global Handheld XRF Spectrometer Industry Rank of Major Manufacturers
  - 3.5.2 Global Concentration Ratios (CR4) for Handheld XRF Spectrometer in 2025
  - 3.5.3 Global Concentration Ratios (CR8) for Handheld XRF Spectrometer in 2025
- 3.6 Handheld XRF Spectrometer Market: Overall Company Footprint Analysis
  - 3.6.1 Handheld XRF Spectrometer Market: Region Footprint
  - 3.6.2 Handheld XRF Spectrometer Market: Company Product Type Footprint
  - 3.6.3 Handheld XRF Spectrometer 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: Handheld XRF Spectrometer Production Value Comparison
  - 4.1.1 United States VS China: Handheld XRF Spectrometer Production Value Comparison (2021 & 2025 & 2032)
  - 4.1.2 United States VS China: Handheld XRF Spectrometer Production Value Market Share Comparison (2021 & 2025 & 2032)
- 4.2 United States VS China: Handheld XRF Spectrometer Production Comparison
  - 4.2.1 United States VS China: Handheld XRF Spectrometer Production Comparison (2021 & 2025 & 2032)
  - 4.2.2 United States VS China: Handheld XRF Spectrometer Production Market Share Comparison (2021 & 2025 & 2032)
- 4.3 United States VS China: Handheld XRF Spectrometer Consumption Comparison
  - 4.3.1 United States VS China: Handheld XRF Spectrometer Consumption Comparison (2021 & 2025 & 2032)
  - 4.3.2 United States VS China: Handheld XRF Spectrometer Consumption Market Share Comparison (2021 & 2025 & 2032)
- 4.4 United States Based Handheld XRF Spectrometer Manufacturers and Market

Share, 2021-2026

4.4.1 United States Based Handheld XRF Spectrometer Manufacturers, Headquarters and Production Site (States, Country)

4.4.2 United States Based Manufacturers Handheld XRF Spectrometer Production Value (2021-2026)

4.4.3 United States Based Manufacturers Handheld XRF Spectrometer Production (2021-2026)

4.5 China Based Handheld XRF Spectrometer Manufacturers and Market Share

4.5.1 China Based Handheld XRF Spectrometer Manufacturers, Headquarters and Production Site (Province, Country)

4.5.2 China Based Manufacturers Handheld XRF Spectrometer Production Value (2021-2026)

4.5.3 China Based Manufacturers Handheld XRF Spectrometer Production (2021-2026)

4.6 Rest of World Based Handheld XRF Spectrometer Manufacturers and Market Share, 2021-2026

4.6.1 Rest of World Based Handheld XRF Spectrometer Manufacturers, Headquarters and Production Site (State, Country)

4.6.2 Rest of World Based Manufacturers Handheld XRF Spectrometer Production Value (2021-2026)

4.6.3 Rest of World Based Manufacturers Handheld XRF Spectrometer Production (2021-2026)

## **5 MARKET ANALYSIS BY TYPE**

5.1 World Handheld XRF Spectrometer Market Size Overview by Type: 2021 VS 2025 VS 2032

5.2 Segment Introduction by Type

5.2.1 WD-XRF Spectrometer

5.2.2 ED-XRF Spectrometer

5.3 Market Segment by Type

5.3.1 World Handheld XRF Spectrometer Production by Type (2021-2032)

5.3.2 World Handheld XRF Spectrometer Production Value by Type (2021-2032)

5.3.3 World Handheld XRF Spectrometer Average Price by Type (2021-2032)

## **6 MARKET ANALYSIS BY DETECTABLE ELEMENT RANGE**

6.1 World Handheld XRF Spectrometer Market Size Overview by Detectable Element Range: 2021 VS 2025 VS 2032

## 6.2 Segment Introduction by Detectable Element Range

6.2.1 Light Element Compatible

6.2.2 Medium-heavy Metal Detection

6.2.3 Full-element Coverage

## 6.3 Market Segment by Detectable Element Range

6.3.1 World Handheld XRF Spectrometer Production by Detectable Element Range (2021-2032)

6.3.2 World Handheld XRF Spectrometer Production Value by Detectable Element Range (2021-2032)

6.3.3 World Handheld XRF Spectrometer Average Price by Detectable Element Range (2021-2032)

## **7 MARKET ANALYSIS BY FUNCTIONAL POSITIONING & SCENARIO ADAPTABILITY**

7.1 World Handheld XRF Spectrometer Market Size Overview by Functional Positioning & Scenario Adaptability: 2021 VS 2025 VS 2032

7.2 Segment Introduction by Functional Positioning & Scenario Adaptability

7.2.1 Basic Sorting Type

7.2.2 Precision Analysis Type

7.2.3 Multi-functional Integrated Type

7.3 Market Segment by Functional Positioning & Scenario Adaptability

7.3.1 World Handheld XRF Spectrometer Production by Functional Positioning & Scenario Adaptability (2021-2032)

7.3.2 World Handheld XRF Spectrometer Production Value by Functional Positioning & Scenario Adaptability (2021-2032)

7.3.3 World Handheld XRF Spectrometer Average Price by Functional Positioning & Scenario Adaptability (2021-2032)

## **8 MARKET ANALYSIS BY APPLICATION**

8.1 World Handheld XRF Spectrometer Market Size Overview by Application: 2021 VS 2025 VS 2032

8.2 Segment Introduction by Application

8.2.1 Food Safety & Agriculture

8.2.2 Environmental & Soil Screening

8.2.3 Mining & Exploration

8.2.4 Art & Archaeometry

8.2.5 Others

## 8.3 Market Segment by Application

8.3.1 World Handheld XRF Spectrometer Production by Application (2021-2032)

8.3.2 World Handheld XRF Spectrometer Production Value by Application (2021-2032)

8.3.3 World Handheld XRF Spectrometer Average Price by Application (2021-2032)

## 9 COMPANY PROFILES

### 9.1 Bruker

9.1.1 Bruker Details

9.1.2 Bruker Major Business

9.1.3 Bruker Handheld XRF Spectrometer Product and Services

9.1.4 Bruker Handheld XRF Spectrometer Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.1.5 Bruker Recent Developments/Updates

9.1.6 Bruker Competitive Strengths & Weaknesses

### 9.2 Thermo Fisher Scientific

9.2.1 Thermo Fisher Scientific Details

9.2.2 Thermo Fisher Scientific Major Business

9.2.3 Thermo Fisher Scientific Handheld XRF Spectrometer Product and Services

9.2.4 Thermo Fisher Scientific Handheld XRF Spectrometer Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.2.5 Thermo Fisher Scientific Recent Developments/Updates

9.2.6 Thermo Fisher Scientific Competitive Strengths & Weaknesses

### 9.3 Elvatech

9.3.1 Elvatech Details

9.3.2 Elvatech Major Business

9.3.3 Elvatech Handheld XRF Spectrometer Product and Services

9.3.4 Elvatech Handheld XRF Spectrometer Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.3.5 Elvatech Recent Developments/Updates

9.3.6 Elvatech Competitive Strengths & Weaknesses

### 9.4 SciAps

9.4.1 SciAps Details

9.4.2 SciAps Major Business

9.4.3 SciAps Handheld XRF Spectrometer Product and Services

9.4.4 SciAps Handheld XRF Spectrometer Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.4.5 SciAps Recent Developments/Updates

9.4.6 SciAps Competitive Strengths & Weaknesses

## 9.5 AMETEK (SPECTRO)

9.5.1 AMETEK (SPECTRO) Details

9.5.2 AMETEK (SPECTRO) Major Business

9.5.3 AMETEK (SPECTRO) Handheld XRF Spectrometer Product and Services

9.5.4 AMETEK (SPECTRO) Handheld XRF Spectrometer Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.5.5 AMETEK (SPECTRO) Recent Developments/Updates

9.5.6 AMETEK (SPECTRO) Competitive Strengths & Weaknesses

## 9.6 Hitachi High-Tech Analytical Science

9.6.1 Hitachi High-Tech Analytical Science Details

9.6.2 Hitachi High-Tech Analytical Science Major Business

9.6.3 Hitachi High-Tech Analytical Science Handheld XRF Spectrometer Product and Services

9.6.4 Hitachi High-Tech Analytical Science Handheld XRF Spectrometer Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.6.5 Hitachi High-Tech Analytical Science Recent Developments/Updates

9.6.6 Hitachi High-Tech Analytical Science Competitive Strengths & Weaknesses

## 9.7 LANScientific

9.7.1 LANScientific Details

9.7.2 LANScientific Major Business

9.7.3 LANScientific Handheld XRF Spectrometer Product and Services

9.7.4 LANScientific Handheld XRF Spectrometer Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.7.5 LANScientific Recent Developments/Updates

9.7.6 LANScientific Competitive Strengths & Weaknesses

## 9.8 Skyray Instrument

9.8.1 Skyray Instrument Details

9.8.2 Skyray Instrument Major Business

9.8.3 Skyray Instrument Handheld XRF Spectrometer Product and Services

9.8.4 Skyray Instrument Handheld XRF Spectrometer Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.8.5 Skyray Instrument Recent Developments/Updates

9.8.6 Skyray Instrument Competitive Strengths & Weaknesses

## 9.9 Evident Scientific

9.9.1 Evident Scientific Details

9.9.2 Evident Scientific Major Business

9.9.3 Evident Scientific Handheld XRF Spectrometer Product and Services

9.9.4 Evident Scientific Handheld XRF Spectrometer Production, Price, Value, Gross Margin and Market Share (2021-2026)

- 9.9.5 Evident Scientific Recent Developments/Updates
- 9.9.6 Evident Scientific Competitive Strengths & Weaknesses
- 9.10 Efficiency Scientific Instrument Co.,Ltd (ESI)
  - 9.10.1 Efficiency Scientific Instrument Co.,Ltd (ESI) Details
  - 9.10.2 Efficiency Scientific Instrument Co.,Ltd (ESI) Major Business
  - 9.10.3 Efficiency Scientific Instrument Co.,Ltd (ESI) Handheld XRF Spectrometer Product and Services
  - 9.10.4 Efficiency Scientific Instrument Co.,Ltd (ESI) Handheld XRF Spectrometer Production, Price, Value, Gross Margin and Market Share (2021-2026)
  - 9.10.5 Efficiency Scientific Instrument Co.,Ltd (ESI) Recent Developments/Updates
  - 9.10.6 Efficiency Scientific Instrument Co.,Ltd (ESI) Competitive Strengths & Weaknesses
- 9.11 Qualitest International Inc.
  - 9.11.1 Qualitest International Inc. Details
  - 9.11.2 Qualitest International Inc. Major Business
  - 9.11.3 Qualitest International Inc. Handheld XRF Spectrometer Product and Services
  - 9.11.4 Qualitest International Inc. Handheld XRF Spectrometer Production, Price, Value, Gross Margin and Market Share (2021-2026)
  - 9.11.5 Qualitest International Inc. Recent Developments/Updates
  - 9.11.6 Qualitest International Inc. Competitive Strengths & Weaknesses
- 9.12 Helmut Fische
  - 9.12.1 Helmut Fische Details
  - 9.12.2 Helmut Fische Major Business
  - 9.12.3 Helmut Fische Handheld XRF Spectrometer Product and Services
  - 9.12.4 Helmut Fische Handheld XRF Spectrometer Production, Price, Value, Gross Margin and Market Share (2021-2026)
  - 9.12.5 Helmut Fische Recent Developments/Updates
  - 9.12.6 Helmut Fische Competitive Strengths & Weaknesses
- 9.13 HUATEC GROUP
  - 9.13.1 HUATEC GROUP Details
  - 9.13.2 HUATEC GROUP Major Business
  - 9.13.3 HUATEC GROUP Handheld XRF Spectrometer Product and Services
  - 9.13.4 HUATEC GROUP Handheld XRF Spectrometer Production, Price, Value, Gross Margin and Market Share (2021-2026)
  - 9.13.5 HUATEC GROUP Recent Developments/Updates
  - 9.13.6 HUATEC GROUP Competitive Strengths & Weaknesses
- 9.14 Malvern Panalytical
  - 9.14.1 Malvern Panalytical Details
  - 9.14.2 Malvern Panalytical Major Business

- 9.14.3 Malvern Panalytical Handheld XRF Spectrometer Product and Services
- 9.14.4 Malvern Panalytical Handheld XRF Spectrometer Production, Price, Value, Gross Margin and Market Share (2021-2026)
- 9.14.5 Malvern Panalytical Recent Developments/Updates
- 9.14.6 Malvern Panalytical Competitive Strengths & Weaknesses
- 9.15 XOS
  - 9.15.1 XOS Details
  - 9.15.2 XOS Major Business
  - 9.15.3 XOS Handheld XRF Spectrometer Product and Services
  - 9.15.4 XOS Handheld XRF Spectrometer Production, Price, Value, Gross Margin and Market Share (2021-2026)
  - 9.15.5 XOS Recent Developments/Updates
  - 9.15.6 XOS Competitive Strengths & Weaknesses
- 9.16 Viken Detection
  - 9.16.1 Viken Detection Details
  - 9.16.2 Viken Detection Major Business
  - 9.16.3 Viken Detection Handheld XRF Spectrometer Product and Services
  - 9.16.4 Viken Detection Handheld XRF Spectrometer Production, Price, Value, Gross Margin and Market Share (2021-2026)
  - 9.16.5 Viken Detection Recent Developments/Updates
  - 9.16.6 Viken Detection Competitive Strengths & Weaknesses

## **10 INDUSTRY CHAIN ANALYSIS**

- 10.1 Handheld XRF Spectrometer Industry Chain
- 10.2 Handheld XRF Spectrometer Upstream Analysis
  - 10.2.1 Handheld XRF Spectrometer Core Raw Materials
  - 10.2.2 Main Manufacturers of Handheld XRF Spectrometer Core Raw Materials
- 10.3 Midstream Analysis
- 10.4 Downstream Analysis
- 10.5 Handheld XRF Spectrometer Production Mode
- 10.6 Handheld XRF Spectrometer Procurement Model
- 10.7 Handheld XRF Spectrometer Industry Sales Model and Sales Channels
  - 10.7.1 Handheld XRF Spectrometer Sales Model
  - 10.7.2 Handheld XRF Spectrometer Typical Distributors

## **11 RESEARCH FINDINGS AND CONCLUSION**

## **12 APPENDIX**

12.1 Methodology

12.2 Research Process and Data Source

12.3 Disclaimer

## List Of Tables

### LIST OF TABLES

Table 1. World Handheld XRF Spectrometer Production Value by Region (2021, 2025 and 2032) & (USD Million)

Table 2. World Handheld XRF Spectrometer Production Value by Region (2021-2026) & (USD Million)

Table 3. World Handheld XRF Spectrometer Production Value by Region (2027-2032) & (USD Million)

Table 4. World Handheld XRF Spectrometer Production Value Market Share by Region (2021-2026)

Table 5. World Handheld XRF Spectrometer Production Value Market Share by Region (2027-2032)

Table 6. World Handheld XRF Spectrometer Production by Region (2021-2026) & (Units)

Table 7. World Handheld XRF Spectrometer Production by Region (2027-2032) & (Units)

Table 8. World Handheld XRF Spectrometer Production Market Share by Region (2021-2026)

Table 9. World Handheld XRF Spectrometer Production Market Share by Region (2027-2032)

Table 10. World Handheld XRF Spectrometer Average Price by Region (2021-2026) & (K US\$/Unit)

Table 11. World Handheld XRF Spectrometer Average Price by Region (2027-2032) & (K US\$/Unit)

Table 12. Handheld XRF Spectrometer Major Market Trends

Table 13. World Handheld XRF Spectrometer Consumption Growth Rate Forecast by Region (2021 & 2025 & 2032) & (Units)

Table 14. World Handheld XRF Spectrometer Consumption by Region (2021-2026) & (Units)

Table 15. World Handheld XRF Spectrometer Consumption Forecast by Region (2027-2032) & (Units)

Table 16. World Handheld XRF Spectrometer Production Value by Manufacturer (2021-2026) & (USD Million)

Table 17. Production Value Market Share of Key Handheld XRF Spectrometer Producers in 2025

Table 18. World Handheld XRF Spectrometer Production by Manufacturer (2021-2026) & (Units)

Table 19. Production Market Share of Key Handheld XRF Spectrometer Producers in 2025

Table 20. World Handheld XRF Spectrometer Average Price by Manufacturer (2021-2026) & (K US\$/Unit)

Table 21. Global Handheld XRF Spectrometer Company Evaluation Quadrant

Table 22. World Handheld XRF Spectrometer Industry Rank of Major Manufacturers, Based on Production Value in 2025

Table 23. Head Office and Handheld XRF Spectrometer Production Site of Key Manufacturer

Table 24. Handheld XRF Spectrometer Market: Company Product Type Footprint

Table 25. Handheld XRF Spectrometer Market: Company Product Application Footprint

Table 26. Handheld XRF Spectrometer Competitive Factors

Table 27. Handheld XRF Spectrometer New Entrant and Capacity Expansion Plans

Table 28. Handheld XRF Spectrometer Mergers & Acquisitions Activity

Table 29. United States VS China Handheld XRF Spectrometer Production Value Comparison, (2021 & 2025 & 2032) & (USD Million)

Table 30. United States VS China Handheld XRF Spectrometer Production Comparison, (2021 & 2025 & 2032) & (Units)

Table 31. United States VS China Handheld XRF Spectrometer Consumption Comparison, (2021 & 2025 & 2032) & (Units)

Table 32. United States Based Handheld XRF Spectrometer Manufacturers, Headquarters and Production Site (States, Country)

Table 33. United States Based Manufacturers Handheld XRF Spectrometer Production Value, (2021-2026) & (USD Million)

Table 34. United States Based Manufacturers Handheld XRF Spectrometer Production Value Market Share (2021-2026)

Table 35. United States Based Manufacturers Handheld XRF Spectrometer Production (2021-2026) & (Units)

Table 36. United States Based Manufacturers Handheld XRF Spectrometer Production Market Share (2021-2026)

Table 37. China Based Handheld XRF Spectrometer Manufacturers, Headquarters and Production Site (Province, Country)

Table 38. China Based Manufacturers Handheld XRF Spectrometer Production Value, (2021-2026) & (USD Million)

Table 39. China Based Manufacturers Handheld XRF Spectrometer Production Value Market Share (2021-2026)

Table 40. China Based Manufacturers Handheld XRF Spectrometer Production, (2021-2026) & (Units)

Table 41. China Based Manufacturers Handheld XRF Spectrometer Production Market

Share (2021-2026)

Table 42. Rest of World Based Handheld XRF Spectrometer Manufacturers, Headquarters and Production Site (State, Country)

Table 43. Rest of World Based Manufacturers Handheld XRF Spectrometer Production Value, (2021-2026) & (USD Million)

Table 44. Rest of World Based Manufacturers Handheld XRF Spectrometer Production Value Market Share (2021-2026)

Table 45. Rest of World Based Manufacturers Handheld XRF Spectrometer Production, (2021-2026) & (Units)

Table 46. Rest of World Based Manufacturers Handheld XRF Spectrometer Production Market Share (2021-2026)

Table 47. World Handheld XRF Spectrometer Production Value by Type, (USD Million), 2021 & 2025 & 2032

Table 48. World Handheld XRF Spectrometer Production by Type (2021-2026) & (Units)

Table 49. World Handheld XRF Spectrometer Production by Type (2027-2032) & (Units)

Table 50. World Handheld XRF Spectrometer Production Value by Type (2021-2026) & (USD Million)

Table 51. World Handheld XRF Spectrometer Production Value by Type (2027-2032) & (USD Million)

Table 52. World Handheld XRF Spectrometer Average Price by Type (2021-2026) & (K US\$/Unit)

Table 53. World Handheld XRF Spectrometer Average Price by Type (2027-2032) & (K US\$/Unit)

Table 54. World Handheld XRF Spectrometer Production Value by Detectable Element Range, (USD Million), 2021 & 2025 & 2032

Table 55. World Handheld XRF Spectrometer Production by Detectable Element Range (2021-2026) & (Units)

Table 56. World Handheld XRF Spectrometer Production by Detectable Element Range (2027-2032) & (Units)

Table 57. World Handheld XRF Spectrometer Production Value by Detectable Element Range (2021-2026) & (USD Million)

Table 58. World Handheld XRF Spectrometer Production Value by Detectable Element Range (2027-2032) & (USD Million)

Table 59. World Handheld XRF Spectrometer Average Price by Detectable Element Range (2021-2026) & (K US\$/Unit)

Table 60. World Handheld XRF Spectrometer Average Price by Detectable Element Range (2027-2032) & (K US\$/Unit)

Table 61. World Handheld XRF Spectrometer Production Value by Functional Positioning & Scenario Adaptability, (USD Million), 2021 & 2025 & 2032

Table 62. World Handheld XRF Spectrometer Production by Functional Positioning & Scenario Adaptability (2021-2026) & (Units)

Table 63. World Handheld XRF Spectrometer Production by Functional Positioning & Scenario Adaptability (2027-2032) & (Units)

Table 64. World Handheld XRF Spectrometer Production Value by Functional Positioning & Scenario Adaptability (2021-2026) & (USD Million)

Table 65. World Handheld XRF Spectrometer Production Value by Functional Positioning & Scenario Adaptability (2027-2032) & (USD Million)

Table 66. World Handheld XRF Spectrometer Average Price by Functional Positioning & Scenario Adaptability (2021-2026) & (K US\$/Unit)

Table 67. World Handheld XRF Spectrometer Average Price by Functional Positioning & Scenario Adaptability (2027-2032) & (K US\$/Unit)

Table 68. World Handheld XRF Spectrometer Production Value by Application, (USD Million), 2021 & 2025 & 2032

Table 69. World Handheld XRF Spectrometer Production by Application (2021-2026) & (Units)

Table 70. World Handheld XRF Spectrometer Production by Application (2027-2032) & (Units)

Table 71. World Handheld XRF Spectrometer Production Value by Application (2021-2026) & (USD Million)

Table 72. World Handheld XRF Spectrometer Production Value by Application (2027-2032) & (USD Million)

Table 73. World Handheld XRF Spectrometer Average Price by Application (2021-2026) & (K US\$/Unit)

Table 74. World Handheld XRF Spectrometer Average Price by Application (2027-2032) & (K US\$/Unit)

Table 75. Bruker Basic Information, Manufacturing Base and Competitors

Table 76. Bruker Major Business

Table 77. Bruker Handheld XRF Spectrometer Product and Services

Table 78. Bruker Handheld XRF Spectrometer Production (Units), Price (K US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 79. Bruker Recent Developments/Updates

Table 80. Bruker Competitive Strengths & Weaknesses

Table 81. Thermo Fisher Scientific Basic Information, Manufacturing Base and Competitors

Table 82. Thermo Fisher Scientific Major Business

Table 83. Thermo Fisher Scientific Handheld XRF Spectrometer Product and Services

Table 84. Thermo Fisher Scientific Handheld XRF Spectrometer Production (Units), Price (K US\$/Unit), Production Value (USD Million), Gross Margin and Market Share

(2021-2026)

Table 85. Thermo Fisher Scientific Recent Developments/Updates

Table 86. Thermo Fisher Scientific Competitive Strengths & Weaknesses

Table 87. Elvatech Basic Information, Manufacturing Base and Competitors

Table 88. Elvatech Major Business

Table 89. Elvatech Handheld XRF Spectrometer Product and Services

Table 90. Elvatech Handheld XRF Spectrometer Production (Units), Price (K US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 91. Elvatech Recent Developments/Updates

Table 92. Elvatech Competitive Strengths & Weaknesses

Table 93. SciAps Basic Information, Manufacturing Base and Competitors

Table 94. SciAps Major Business

Table 95. SciAps Handheld XRF Spectrometer Product and Services

Table 96. SciAps Handheld XRF Spectrometer Production (Units), Price (K US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 97. SciAps Recent Developments/Updates

Table 98. SciAps Competitive Strengths & Weaknesses

Table 99. AMETEK (SPECTRO) Basic Information, Manufacturing Base and Competitors

Table 100. AMETEK (SPECTRO) Major Business

Table 101. AMETEK (SPECTRO) Handheld XRF Spectrometer Product and Services

Table 102. AMETEK (SPECTRO) Handheld XRF Spectrometer Production (Units), Price (K US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 103. AMETEK (SPECTRO) Recent Developments/Updates

Table 104. AMETEK (SPECTRO) Competitive Strengths & Weaknesses

Table 105. Hitachi High-Tech Analytical Science Basic Information, Manufacturing Base and Competitors

Table 106. Hitachi High-Tech Analytical Science Major Business

Table 107. Hitachi High-Tech Analytical Science Handheld XRF Spectrometer Product and Services

Table 108. Hitachi High-Tech Analytical Science Handheld XRF Spectrometer Production (Units), Price (K US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 109. Hitachi High-Tech Analytical Science Recent Developments/Updates

Table 110. Hitachi High-Tech Analytical Science Competitive Strengths & Weaknesses

Table 111. LANScientific Basic Information, Manufacturing Base and Competitors

Table 112. LANScientific Major Business

Table 113. LANScientific Handheld XRF Spectrometer Product and Services

Table 114. LANScientific Handheld XRF Spectrometer Production (Units), Price (K US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 115. LANScientific Recent Developments/Updates

Table 116. LANScientific Competitive Strengths & Weaknesses

Table 117. Skyray Instrument Basic Information, Manufacturing Base and Competitors

Table 118. Skyray Instrument Major Business

Table 119. Skyray Instrument Handheld XRF Spectrometer Product and Services

Table 120. Skyray Instrument Handheld XRF Spectrometer Production (Units), Price (K US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 121. Skyray Instrument Recent Developments/Updates

Table 122. Skyray Instrument Competitive Strengths & Weaknesses

Table 123. Evident Scientific Basic Information, Manufacturing Base and Competitors

Table 124. Evident Scientific Major Business

Table 125. Evident Scientific Handheld XRF Spectrometer Product and Services

Table 126. Evident Scientific Handheld XRF Spectrometer Production (Units), Price (K US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 127. Evident Scientific Recent Developments/Updates

Table 128. Evident Scientific Competitive Strengths & Weaknesses

Table 129. Efficiency Scientific Instrument Co.,Ltd (ESI) Basic Information, Manufacturing Base and Competitors

Table 130. Efficiency Scientific Instrument Co.,Ltd (ESI) Major Business

Table 131. Efficiency Scientific Instrument Co.,Ltd (ESI) Handheld XRF Spectrometer Product and Services

Table 132. Efficiency Scientific Instrument Co.,Ltd (ESI) Handheld XRF Spectrometer Production (Units), Price (K US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 133. Efficiency Scientific Instrument Co.,Ltd (ESI) Recent Developments/Updates

Table 134. Efficiency Scientific Instrument Co.,Ltd (ESI) Competitive Strengths & Weaknesses

Table 135. Qualitest International Inc. Basic Information, Manufacturing Base and Competitors

Table 136. Qualitest International Inc. Major Business

Table 137. Qualitest International Inc. Handheld XRF Spectrometer Product and Services

Table 138. Qualitest International Inc. Handheld XRF Spectrometer Production (Units), Price (K US\$/Unit), Production Value (USD Million), Gross Margin and Market Share

(2021-2026)

Table 139. Qualitest International Inc. Recent Developments/Updates

Table 140. Qualitest International Inc. Competitive Strengths & Weaknesses

Table 141. Helmut Fische Basic Information, Manufacturing Base and Competitors

Table 142. Helmut Fische Major Business

Table 143. Helmut Fische Handheld XRF Spectrometer Product and Services

Table 144. Helmut Fische Handheld XRF Spectrometer Production (Units), Price (K US\$/Unit), Production Value (USD Million), Gross Margin and Market Share

(2021-2026)

Table 145. Helmut Fische Recent Developments/Updates

Table 146. Helmut Fische Competitive Strengths & Weaknesses

Table 147. HUATEC GROUP Basic Information, Manufacturing Base and Competitors

Table 148. HUATEC GROUP Major Business

Table 149. HUATEC GROUP Handheld XRF Spectrometer Product and Services

Table 150. HUATEC GROUP Handheld XRF Spectrometer Production (Units), Price (K US\$/Unit), Production Value (USD Million), Gross Margin and Market Share

(2021-2026)

Table 151. HUATEC GROUP Recent Developments/Updates

Table 152. HUATEC GROUP Competitive Strengths & Weaknesses

Table 153. Malvern Panalytical Basic Information, Manufacturing Base and Competitors

Table 154. Malvern Panalytical Major Business

Table 155. Malvern Panalytical Handheld XRF Spectrometer Product and Services

Table 156. Malvern Panalytical Handheld XRF Spectrometer Production (Units), Price (K US\$/Unit), Production Value (USD Million), Gross Margin and Market Share

(2021-2026)

Table 157. Malvern Panalytical Recent Developments/Updates

Table 158. Malvern Panalytical Competitive Strengths & Weaknesses

Table 159. XOS Basic Information, Manufacturing Base and Competitors

Table 160. XOS Major Business

Table 161. XOS Handheld XRF Spectrometer Product and Services

Table 162. XOS Handheld XRF Spectrometer Production (Units), Price (K US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 163. XOS Recent Developments/Updates

Table 164. XOS Competitive Strengths & Weaknesses

Table 165. Viken Detection Basic Information, Manufacturing Base and Competitors

Table 166. Viken Detection Major Business

Table 167. Viken Detection Handheld XRF Spectrometer Product and Services

Table 168. Viken Detection Handheld XRF Spectrometer Production (Units), Price (K US\$/Unit), Production Value (USD Million), Gross Margin and Market Share

(2021-2026)

Table 169. Viken Detection Recent Developments/Updates

Table 170. Viken Detection Competitive Strengths & Weaknesses

Table 171. Global Key Players of Handheld XRF Spectrometer Upstream (Raw Materials)

Table 172. Global Handheld XRF Spectrometer Typical Customers

Table 173. Handheld XRF Spectrometer Typical Distributors

## List Of Figures

### LIST OF FIGURES

Figure 1. Handheld XRF Spectrometer Picture

Figure 2. World Handheld XRF Spectrometer Production Value: 2021 & 2025 & 2032, (USD Million)

Figure 3. World Handheld XRF Spectrometer Production Value and Forecast (2021-2032) & (USD Million)

Figure 4. World Handheld XRF Spectrometer Production (2021-2032) & (Units)

Figure 5. World Handheld XRF Spectrometer Average Price (2021-2032) & (K US\$/Unit)

Figure 6. World Handheld XRF Spectrometer Production Value Market Share by Region (2021-2032)

Figure 7. World Handheld XRF Spectrometer Production Market Share by Region (2021-2032)

Figure 8. North America Handheld XRF Spectrometer Production (2021-2032) & (Units)

Figure 9. Europe Handheld XRF Spectrometer Production (2021-2032) & (Units)

Figure 10. China Handheld XRF Spectrometer Production (2021-2032) & (Units)

Figure 11. Japan Handheld XRF Spectrometer Production (2021-2032) & (Units)

Figure 12. Handheld XRF Spectrometer Market Drivers

Figure 13. Factors Affecting Demand

Figure 14. World Handheld XRF Spectrometer Consumption (2021-2032) & (Units)

Figure 15. World Handheld XRF Spectrometer Consumption Market Share by Region (2021-2032)

Figure 16. United States Handheld XRF Spectrometer Consumption (2021-2032) & (Units)

Figure 17. China Handheld XRF Spectrometer Consumption (2021-2032) & (Units)

Figure 18. Europe Handheld XRF Spectrometer Consumption (2021-2032) & (Units)

Figure 19. Japan Handheld XRF Spectrometer Consumption (2021-2032) & (Units)

Figure 20. South Korea Handheld XRF Spectrometer Consumption (2021-2032) & (Units)

Figure 21. ASEAN Handheld XRF Spectrometer Consumption (2021-2032) & (Units)

Figure 22. India Handheld XRF Spectrometer Consumption (2021-2032) & (Units)

Figure 23. Producer Shipments of Handheld XRF Spectrometer by Manufacturer Revenue (\$MM) and Market Share (%): 2025

Figure 24. Global Four-firm Concentration Ratios (CR4) for Handheld XRF Spectrometer Markets in 2025

Figure 25. Global Four-firm Concentration Ratios (CR8) for Handheld XRF

## Spectrometer Markets in 2025

Figure 26. United States VS China: Handheld XRF Spectrometer Production Value Market Share Comparison (2021 & 2025 & 2032)

Figure 27. United States VS China: Handheld XRF Spectrometer Production Market Share Comparison (2021 & 2025 & 2032)

Figure 28. United States VS China: Handheld XRF Spectrometer Consumption Market Share Comparison (2021 & 2025 & 2032)

Figure 29. United States Based Manufacturers Handheld XRF Spectrometer Production Market Share 2025

Figure 30. China Based Manufacturers Handheld XRF Spectrometer Production Market Share 2025

Figure 31. Rest of World Based Manufacturers Handheld XRF Spectrometer Production Market Share 2025

Figure 32. World Handheld XRF Spectrometer Production Value by Type, (USD Million), 2021 & 2025 & 2032

Figure 33. World Handheld XRF Spectrometer Production Value Market Share by Type in 2025

Figure 34. WD-XRF Spectrometer

Figure 35. ED-XRF Spectrometer

Figure 36. World Handheld XRF Spectrometer Production Market Share by Type (2021-2032)

Figure 37. World Handheld XRF Spectrometer Production Value Market Share by Type (2021-2032)

Figure 38. World Handheld XRF Spectrometer Average Price by Type (2021-2032) & (K US\$/Unit)

Figure 39. World Handheld XRF Spectrometer Production Value by Detectable Element Range, (USD Million), 2021 & 2025 & 2032

Figure 40. World Handheld XRF Spectrometer Production Value Market Share by Detectable Element Range in 2025

Figure 41. Light Element Compatible

Figure 42. Medium-heavy Metal Detection

Figure 43. Full-element Coverage

Figure 44. World Handheld XRF Spectrometer Production Market Share by Detectable Element Range (2021-2032)

Figure 45. World Handheld XRF Spectrometer Production Value Market Share by Detectable Element Range (2021-2032)

Figure 46. World Handheld XRF Spectrometer Average Price by Detectable Element Range (2021-2032) & (K US\$/Unit)

Figure 47. World Handheld XRF Spectrometer Production Value by Functional

Positioning & Scenario Adaptability, (USD Million), 2021 & 2025 & 2032

Figure 48. World Handheld XRF Spectrometer Production Value Market Share by Functional Positioning & Scenario Adaptability in 2025

Figure 49. Basic Sorting Type

Figure 50. Precision Analysis Type

Figure 51. Multi-functional Integrated Type

Figure 52. World Handheld XRF Spectrometer Production Market Share by Functional Positioning & Scenario Adaptability (2021-2032)

Figure 53. World Handheld XRF Spectrometer Production Value Market Share by Functional Positioning & Scenario Adaptability (2021-2032)

Figure 54. World Handheld XRF Spectrometer Average Price by Functional Positioning & Scenario Adaptability (2021-2032) & (K US\$/Unit)

Figure 55. World Handheld XRF Spectrometer Production Value by Application, (USD Million), 2021 & 2025 & 2032

Figure 56. World Handheld XRF Spectrometer Production Value Market Share by Application in 2025

Figure 57. Food Safety & Agriculture

Figure 58. Environmental & Soil Screening

Figure 59. Mining & Exploration

Figure 60. Art & Archaeometry

Figure 61. Others

Figure 62. World Handheld XRF Spectrometer Production Market Share by Application (2021-2032)

Figure 63. World Handheld XRF Spectrometer Production Value Market Share by Application (2021-2032)

Figure 64. World Handheld XRF Spectrometer Average Price by Application (2021-2032) & (K US\$/Unit)

Figure 65. Handheld XRF Spectrometer Industry Chain

Figure 66. Handheld XRF Spectrometer Procurement Model

Figure 67. Handheld XRF Spectrometer Sales Model

Figure 68. Handheld XRF Spectrometer Sales Channels, Direct Sales, and Distribution

Figure 69. Methodology

Figure 70. Research Process and Data Source

## I would like to order

Product name: Global Handheld XRF Spectrometer Supply, Demand and Key Producers, 2026-2032

Product link: <https://marketpublishers.com/r/G6DB8A71AA96EN.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](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/G6DB8A71AA96EN.html>