

X Fluorescence Spectrometer Brands



Overview

18 X-Ray Fluorescence (XRF) Analyzer Manufacturers in 2026 This section provides an overview for x-ray fluorescence (xrf) analyzers as well as their applica.

Key Takeaways

Leading XRF spectrometer brands include Thermo Fisher, Malvern Panalytical, SPECTRO, Rigaku, and Shimadzu, offering a range of benchtop, portable, and industrial instruments. Major Brands and Their Offerings

Thermo Fisher Scientific provides a robust family of XRF instruments, including the ARL XRF spectrometers for fast, repeatable elemental analysis, the ARL QUANT'X EDXRF benchtop analyzer, and handheld XRF devices for field applications. Their WDXRF instruments offer high sensitivity and resolution, suitable for metals, minerals, and cement analysis, with automation and integrated software for rapid, non-destructive testing . Malvern Panalytical offers the Epsilon series, including Epsilon 1, 3, and 4, which are multifunctional benchtop XRF analyzers. These instruments are designed for precise elemental analysis across various industries, from metals to lubricants, and support both sequential and simultaneous measurements . SPECTRO produces portable and laboratory-grade energy-dispersive XRF (EDXRF) spectrometers, such as the SPECTROSCOUT, which are lightweight and suitable for on-site analysis of metals, alloys, and other materials . Rigaku and Shimadzu provide high-performance XRF spectrometers for both industrial and research applications. Their instruments include advanced detectors, vacuum chambers, and multiple collimators for precise elemental analysis from light to heavy elements, covering applications from precious metals to environmental testing .

Types of XRF Instruments

- Benchtop XRF: Compact, laboratory-based instruments for routine elemental analysis. Examples include Thermo Scientific ARL QUANT'X and Malvern Panalytical Epsilon 4.
- Portable/Handheld XRF: Lightweight devices for field or production floor analysis, such as SPECTROSCOUT and Thermo Scientific handheld analyzers.
- Industrial/Process XRF: High-throughput instruments like Thermo Scientific ARL X900, designed for process control in metals, cement, and mining industries .

Applications

XRF spectrometers are used for qualitative and quantitative elemental analysis in metals, minerals, environmental samples, alloys, and even medical research. They are non-destructive, require minimal sample preparation, and can detect elements from sodium to uranium. Portable models are increasingly used for on-site testing, including RoHS compliance, precious metal verification, and soil or alloy analysis . These brands and instruments provide a wide range of options depending on the required sensitivity, portability, and application, making them suitable for industrial, research, and field-based elemental analysis.

Article Content

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This section provides an overview for x-ray fluorescence (xrf) analyzers as well as their applications and principles. Also, please take

5 Xrf Analyzer Manufacturers in 2026

Elvatech Ltd. has been a manufacturer of analytical spectrometric instrumentation since 1991 in Ukraine. The company provides X

X-Ray Fluorescence Analyzers

We offer a wide range of X-ray fluorescence (XRF) instruments designed to meet the needs of every

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XRF Instrumentation Manufacturer's Showcase

Applied Rigaku Technologies, Inc. is a leading manufacturer of bench top and process Energy Dispersive

Fluorescence spectrometer

Find your fluorescence spectrometer easily amongst the 99 products from the leading brands (Skyray,

XRF spectrometer, X-ray spectrometer

Find your xrf spectrometer easily amongst the 23 products from the leading brands (Malvern Panalytical,

XRF Spectrometers

XRF Spectrometers X-ray fluorescence (XRF) is an analytical technique used for non-destructive elemental analysis of a wide range

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X-Ray Fluorescence Analyzers | Thermo Fisher Scientific

Instruments, devices, and accessories designed to facilitate accurate elemental analysis via x-ray fluorescence. Products are

Our X-ray fluorescence measuring instruments | Fischer

Want the best measuring devices for your quality control? Then FISCHERSCOPE® X-RAY XRF instruments are exactly what you

Handheld XRF Spectrometers for Elemental Analysis | Bruker

Handheld X-Ray Fluorescence (XRF) analyzers have the capability to quantify or qualify nearly any element - from Magnesium to

X-Series

SciAps X-Series is the world's lightest, smallest, fastest, high precision family of XRF analyzers. The

X-ray fluorescence (XRF)

Measure almost any element in almost any matrix X-ray fluorescence (XRF) provides one of the simplest,

Handheld/Portable XRF Analyzers for Precise Elemental Analysis

Handheld XRF (X-ray fluorescence) analyzers operate on a powerful yet non-destructive principle. When the device is pointed at a

Fluorescence Spectrometer, Fluorometer, Cary Eclipse

The Cary Eclipse fluorescence spectrometer is a sensitive, accurate, and flexible fluorometer with unique

SPECTRO xSORT XRF Handheld Analyzer for many applications

Fast on-site elemental analysis: The SPECTRO xSORT handheld XRF is the ideal analyzer for compliance testing and quick

Elvatech LTD: Advanced XRF Equipment and Solutions

In 1999, we opened an era of benchtop XRF analyzers equipped with thermoelectrically cooled semiconductor detectors introducing

Portable XRF_LANScientific

Imported high-performance X-ray tubes and high-resolution detectors, combined with digital multi-channel processing technology,

Top Total Reflection X-Ray Fluorescence Spectrometer Companies

Skyquest Technology's expert advisors have carried out comprehensive research and identified these companies as industry leaders

X-Ray Fluorescence | XRF | Technology | Sample Preparation

XRF Scientific supply a range of x-ray fluorescence (XRF) technology and solutions for XRF sample preparation including fusion

Fluorescence Spectroscopy Instrumentation, Spectrofluorometers

For the highest levels of performance in fluorescence spectrophotometry and fluorescence spectroscopy instrumentation, look no

Fluorescence spectrometer

Find your fluorescence spectrometer easily amongst the 99 products from the leading brands (Skysray, Beifen-Ruili Analytical

X-ray Diffractometers

X-ray DIFFRACTION (XRD) X-ray Diffractometers Non-destructive Characterization of Material Properties | Bruker's X-ray Diffraction

Top Total Reflection X Ray Fluorescence (TXRF) Spectrometer

These brands include leaders and major players in the Total Reflection X Ray Fluorescence (TXRF) Spectrometer sector and they

Micro-XRF Spectrometers

Micro X-ray fluorescence spectrometry (Micro-XRF) is the method of choice for the elemental analysis of non-homogeneous or

XRF spectrometer, X-ray spectrometer

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XRF Spectrometers

XRF Spectrometers X-ray fluorescence (XRF) is an analytical technique used for non-destructive elemental analysis of a wide range

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X-Ray Fluorescence Analyzers | Thermo Fisher Scientific

Instruments, devices, and accessories designed to facilitate accurate elemental analysis via x-ray fluorescence. Products are

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Handheld XRF Spectrometers for Elemental Analysis | Bruker

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Compare x-ray fluorescence spectrometers across specifications and manufacturers. Click to get started.

XRF spectrometer, X-ray spectrometer

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X-Ray Fluorescence Analyzers | Thermo Fisher Scientific

Instruments, devices, and accessories designed to facilitate accurate elemental analysis via x-ray fluorescence. Products are

X-ray spectrometer

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