

Recommended European Precious Metal Spectrometers



Article Overview

For precise and reliable precious metal analysis in Europe, top recommended spectrometers include SPECTRO XRF and OES models, Thermo Fisher Niton portable XRF, VRAY benchtop analyzers, and Skyray/Xenometrix EDXRF systems.

XRF Spectrometers

Energy Dispersive X-ray Fluorescence (EDXRF) spectrometers are widely used for non-destructive analysis of jewelry, bullion, and dental alloys. They provide fast results with minimal sample preparation and are suitable for both laboratory and field use . Recommended European models include:

- SPECTRO XEPOS, MIDEX, SPECTROCUBE, SPECTROSCOUT, xSORT – Benchtop and portable XRF units optimized for high accuracy and reliability in precious metal testing .
- Thermo Fisher Niton series – Portable XRF analyzers widely used for on-site testing, recycling, and PMI applications, offering fast, non-destructive measurements .
- VRAY VR-M5, VR-H7, VR-S6 – High-resolution benchtop and portable analyzers suitable for jewelry certification and laboratory analysis .
- Skyray EDX2000A, EDX3000 PLUS, Genius-IF – Desktop EDXRF spectrometers with micro-area analysis and film thickness measurement capabilities .
- Xenometrix X-Calibur – Compact EDXRF spectrometer with high-power X-ray tube and high-resolution detector for precise alloy and precious metal analysis .

OES and ICP Spectrometers

Article Content

Precious Metals Analysis | SPECTRO

SPECTRO offers a broad range of XRF and OES spectrometers optimized for precise analysis of precious metals, ensuring accuracy

Solutions for Analyzing Precious Metals

Gain trust from your customer Thermo Scientific Niton XRF precious metal analyzers provide retailers, pawn shops, cash-for-gold

Technologies and solutions used in precious metals analysis and

In industries that use precious metals, such as jewelry, electronics, and automotive, but also for mining and recycling companies,

precious metals analysis

Spectrometers of this type are recommended primarily for measurements jewelry alloys in pawn shops, bureaux de change, in the

XRF Precious Metal Analyzers

XRF precious metal analysis is a nondestructive testing method for analyzing precious metals, such as gold, silver, and platinum.

Analyzing Precious Metals

In industries that use precious metals, such as jewelry, electronics, and automotive, but also for mining and recycling companies,

Analyzing Precious Metals

Other precious metals like platinum and silver also occur naturally in metallic form, often alloyed with other metals Extraction can be

Precious Metals Analysis | SPECTRO

For precious metals analysis, such as jewelry or dental alloys, fast and non-destructive XRF spectrometers which require little

Gold, Silver and Platinum Analysis | Bruker

Businesses involving buying, selling or processing refined gold, silver or platinum, find Bruker's fast and accurate testing tools help

Precious Metals Testing with ED-XRF Spectrometry

Although XRF spectrometers are ubiquitous in precious metals analysis, significant differences exist between instruments. Make sure

GEMORO® XRF Gold & Precious Metal Analyzer

The GEMORO XRF Analyzer accurately measures a wide range of precious metal elements, including gold, silver, lead, and nickel.

XRF Spectrometer Buying Guide: Precious Metals 2026

How to choose the right XRF spectrometer for jewelry, pawn, refinery, or lab use. Compare detectors, form factors, accuracy specs,

Precious Metals Testing | Jewelry Analysis | Hitachi High-Tech

Using XRF (X-ray fluorescence) makes precious metals and jewelry testing easy and quick. Accurate and non-destructive, XRF

Metal Testing & Analysis

For precious metals analysis, such as jewelry or dental alloys, also non-destructive SPECTRO XRF spectrometers are used for

Gold, Silver and Platinum Analysis | Bruker

When buying, selling or recycling Platinum Group Metals (PGMs)—Platinum (Pt), Palladium (Pd) and Rhodium, it is important to be

Advanced Technologies for Analyzing Precious Metals

Advanced technologies for analyzing precious metals and identifying elements and alloys When it comes to assessing the value of

Elvatech LTD: Advanced XRF Equipment and Solutions

Elvatech designs and manufactures advanced handheld and benchtop systems that deliver laboratory-level accuracy in the field and

Precious Metals Testing | Jewelry Analysis | Hitachi High-Tech

Precious metals and jewelry testing and analysis with XRF The true value of jewelry and ornamental objects lies beneath the surface

Niton DXL XRF spectrometer for precious metal analysis

With the daily changes in precious metal prices, inaccuracies in testing can significantly affect your results. The Niton™ DXL

Contact Us

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