

Austrian Precious Metals Spectrometer



Summary of Content

Austrian precious metals spectrometers, such as the AT-XF-S6 and SPECTRO MIDEX, provide fast, non-destructive, and highly precise analysis of gold, silver, platinum, and other precious metals.

Overview

Austrian and European spectrometers for precious metals primarily use X-ray fluorescence (XRF) or optical emission spectroscopy (OES) to determine the chemical composition, purity, and carat of metals without damaging the sample. These instruments are widely used in jewelry manufacturing, refineries, pawnshops, hallmarking centers, and recycling operations.

Key Features

- **Non-Destructive Testing:** XRF spectrometers like the AT-XF-S6 allow analysis without inserting tools into the sample, preserving its integrity.
- **Rapid and Accurate Results:** Chemical composition and carat grades can be determined within seconds, making them suitable for high-throughput environments.
- **Multi-Element Detection:** Capable of testing multiple elements simultaneously, including trace elements that affect value.
- **Software Integration:** Instruments often include PC-based software for generating test certificates, data storage, and easy sharing of results.
- **Compact and Robust Design:** Many models, such as the SPECTRO MIDEX and AT-XF-S6, are benchtop devices with small footprints, suitable for showrooms or laboratories.

Article Content

Handheld Precious Metals Analyzer VR-H5 | Portable

Discover the VR-H5 handheld precious metals analyzer — a portable XRF gold tester for fast,

XRF Spectrometers and Metal Analyzers | Worldoftest

This technology is widely used for metal analysis, alloy verification, precious metal testing, and RoHS

Analyzing Precious Metals

XRF spectrometer to precisely determine the presence and concentration of precious metal and trace alloying elements in 3-10

Analyzing Precious Metals

spectrometer. These instruments are factory-calibrated and validated for an exceptionally wide range of precious metals samples.

GOLDSCOPE SD® 600 | Helmut Fischer

Compact and robust benchtop instrument for fast, cost-effective and non-destructive analysis of jewelry,

Precious Metals Testing with ED-XRF Spectrometry

For routine analysis in a wide variety of pre-cious metal applications, energy-dispersive X-ray fluorescence (ED-XRF) spectrometry

Precious Metals Analysis | SPECTRO

SPECTRO offers a broad range of XRF and OES spectrometers optimized for precise analysis of precious

6 precious metal analysis methods for the mining industry

Discover the 6 precious metal analysis methods that can boost precious metal mining companies' recovery rates and

Precious and Platinum Group | SGS Austria

We provide comprehensive testing and inspection services for all precious and platinum group metals, including gold, silver, platinum

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

XRF Analyzer VR-T6, Precious Metal & Element Analyzer

Discover the VR-T6 benchtop XRF spectrometer — a high-precision precious metal and elemental analyzer for fast, non-destructive

Precious Metal Spectrometer EDS-6800T

EDS6800T precious metal analyzer is a portable Energy dispersive X-ray fluorescence spectrometer

Edelmetallprüfung & -analyse | SPECTRO

Eine weitere Anwendung der RFA-Spektrometer ist die Analyse von Rh, Pd und Pt in gebrauchten Automobilkatalysatoren. Aber

Gold Purity Tester Market in Austria | Report

The Austrian Gold Purity Tester market encompasses electronic instruments and integrated systems used to determine the karat

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

XRF Analyzer (Precious Metals) - SPECTRO MIDEX

Our XRF Analyzer (Precious Metals) - SPECTRO MIDEX spectrometer is optimized for all your precious

XRF Precious Metal Analyzers

XRF precious metal analysis is a nondestructive testing method for verifying the purity and composition of precious metals, such as

XRF Analyzer (Precious Metals) - SPECTRO MIDEX

These intelligent revolutions make it one of the most advanced laboratories XRF benchtop instruments for

Elemental Analysis Solutions & Analytical Instruments | SPECTRO

Small spot ED-XRF spectrometer optimized for precious metal testing and compliance screening The market recognized gold

SPECTRO MIDEX XRF Spectrometer

The SPECTRO MIDEX Precious Metals XRF spectrometer was developed for the advanced elemental

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

Solutions for Analyzing Precious Metals

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

ElvaX Jewelry Lab

ElvaX Jewelry Lab is aimed on high-accuracy analysis of jewelry and precious metals. Measurement process only takes several

Analysis of gold jewellery with ARL QUANT^{TX} EDXRF Spectrometer

Conclusion The results presented in this study demonstrate the exceptional performance of the ARL QUANT^{TX} EDXRF Spectrometer

Analyzing Precious Metals

A variation of OES — inductively coupled plasma optical emission spectrometry (ICP-OES) — is an ideal tool for the analysis of bulk

Gold & Precious Metal Analyzer

Gold & Precious Metal Analyzer and EDX Spectrometer – QualiEDX™ 600 Gold & Precious Metal Analyzer and EDX Spectrometer

5 Precious Metals Analysis Methods

Why portable XRF technology may be better than scratch, acid, electronic testers, fire

Gold, Silver and Platinum Analysis | Bruker

Bruker's precious metals testers can make sure that every penny is available out of every transaction. X-ray Fluorescence (XRF)

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,

Metal Analyzers

Find here Metal Analyzers, Precious Metal Analyzer manufacturers, suppliers & exporters in

Contact Us

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