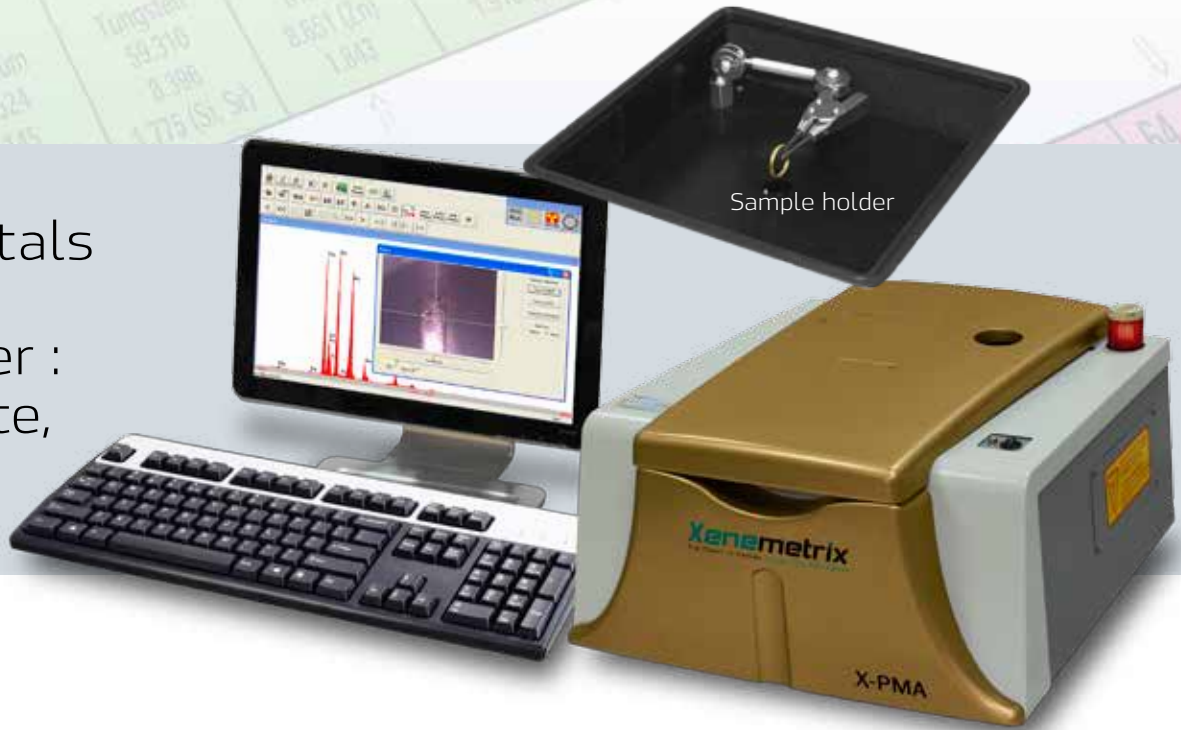


X-PMA

Precious Metals
EDXRF
Spectrometer :
Fast, Accurate,
Easy to Use.



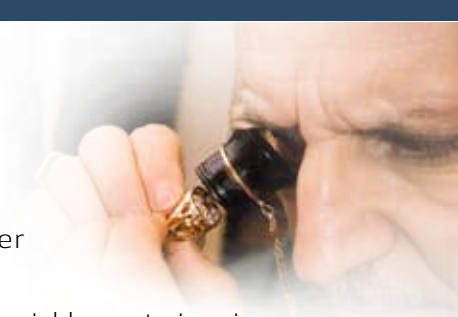
- Analysis of jewelry and precious metals such as: Au, Ag, Pd, Pt, Rh and the like.
- Easy, precise and non-destructive analysis of small sample s.
- Down to 155 eV \pm 10eV resolution.
- Robust design, compact geometry.
- Easy to operate due to the proprietary nEXt™ software package.
- Fundamental parameters professional software.
- Integrated camera for accurate sample positioning.
- Small spot size down to 1mm.

Precious Metals

Quantitative &
Qualitative Elemental
Analysis

Fast & Non-
Destructive
Analytical Method

X-PMA



Xenometrix's X-PMA Energy Dispersive X-Ray Fluorescence (EDXRF) spectrometer offers a cost-effective solution in today's market for elemental analysis.

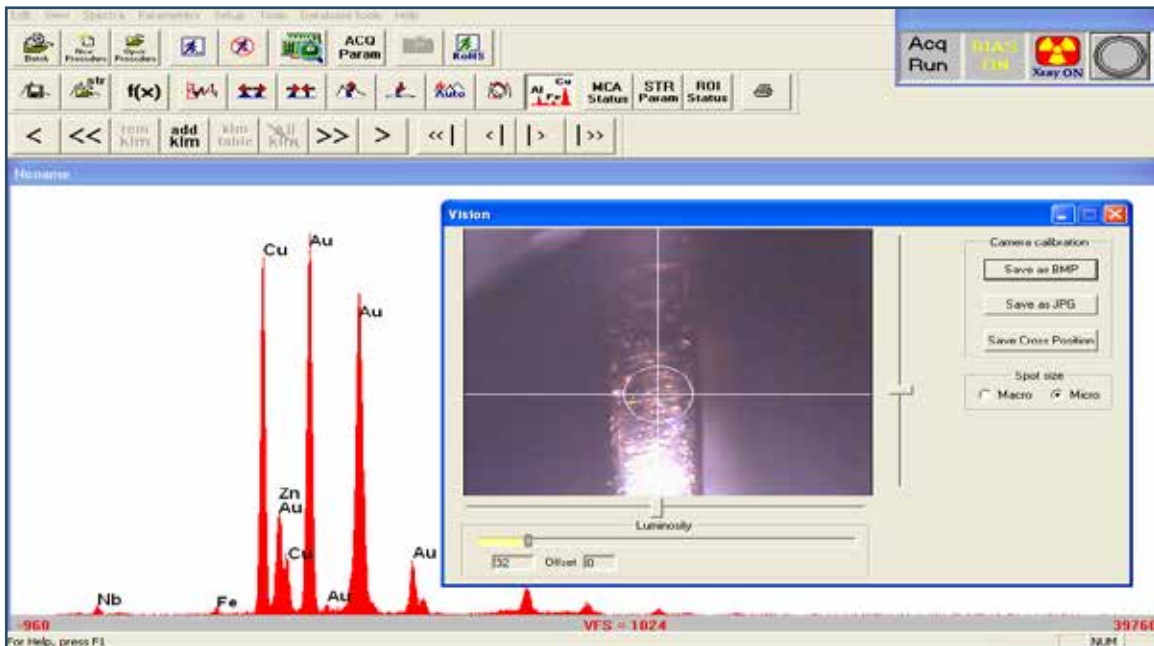
Xenometrix's X-PMA uses a high resolution detector and a powerful X-Ray tube with variable spot sizes in order to accommodate samples of various sizes- Macto and Micro size - utilizing the micro spot beam.

The analyzer provides non-destructive qualitative and quantitative determination of various elements such as: gold, platinum, silver and other precious metals , which exist in the form of solid, powdered and liquid samples. No sample preparation is required.

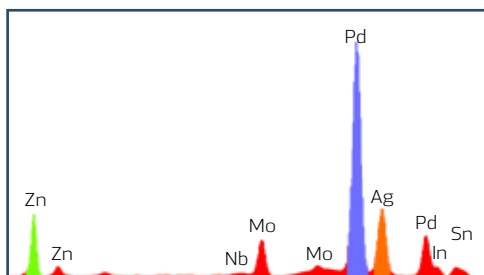
The main advantage of using Xenometrix X-PMA analyzer is its high precision and accuracy. With Xenometrix X-PMA you will speed up your complete process: position the sample, running the analysis and getting results at a touch of a fingertip.

Environnement logiciel (GUI)

Simple, Straight Forward, User Friendly nEXt™ Platform.

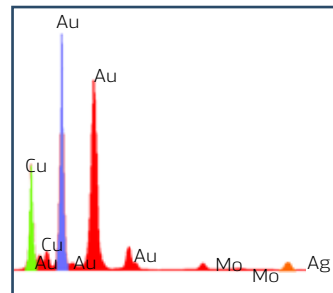


FP Analysis of Precious Alloy



Component	Conc.
Pd	60.789
Ag	23.915
Sn	10.901
In	2.885
Zn	1.430

FP Analysis of Gold 18K



Component	Conc.
Au	72.028
Ag	12.447
Cu	2.885

System Specifications

System Specifications	
Measurement Capability	
Detectable Range	Na (11) - Fm (100)
Detectable Concentration	ppm -100%
X-Ray Generation	
X-Ray Tube	Mo anode
X-Ray Source	50kV, 50W
Excitation Type	Direct with filters
Spot Size	1 mm diameter & 5 mm diameter (spot size)
Stability	Precision 0.1% at ambient temperature
X-Ray Detection	
Detector	Thermoelectrically cooled PIN diode
Resolution (FWHM)	155 eV \pm 10eV at 5.9 keV
Window	Be
General Features	
Autosampler	1 positions chamber
Work Environment	Air
Tube Filters	6 software selectable (customized)
Power Supply	115 VAC/60 Hz or 230 VAC/50 Hz
Pulse Processing	Digital multi-channel analyzer
Sample Holder	Designed for small pieces handling
System Dimensions (L x W x H, cm)	Unpacked: 55 x 55 x 32, Packed: 80 x 80 x 65
System Weight	50kg (net), 90kg (gross)
Chamber Dimensions	22 x 22cm, H=5cm
Computer	Integrated PC
Software	
Operating Software	nEXt™ analysis package, running under Microsoft Windows™ OS + basic fundamental parameters
Control	Automatic control of excitation, detection, sample handling and data processing
Spectrum Processing	Automatic escape peak and background removal. Automatic peak deconvolution. Graphical statistics
Quantitative Analysis Algorithms	Multi-element regression with inter-element corrections (six models available). Gross, net, fit and digital filter intensity methods
Reporting	User-customizable data print out
Options at Additional Cost	Helium purge.

Key applications

- Jewelry
- Watch trade
- Gold and precious metals
detection and determination
- Purity detection and determination
- Sorting applications
- Recycling companies
- Dental alloys detection and determination



Xenemetrix

Worldwide Distributions:

North America, Latin America, Europe, Asia, Australia, Africa & Middle East

Xenemetrix is a leading designer, manufacturer and marketer of Energy-Dispersive X-Ray Fluorescence (EDXRF) systems. With more than 30 years experience, Xenemetrix continues to develop highly innovative technologies and solutions suitable for

today's ever-growing analytical challenges. Xenemetrix combines the latest technological developments with innovative engineering, to provide cost-effective solutions to a wide range of industries and applications.

