



Napco Precision Instruments Company Limited

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NA-8500

Precious Metal Analyzer



Humanized Interface



Convenient Operation



Ultra Clear Camera



Rapid Detection

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NA-8500 Precious Metal Analyzer Application Field

01

Jewelry
Manufacturing

02

Bureau Of Quality And
Technical Supervision

03

Cash Gold Exchange

04

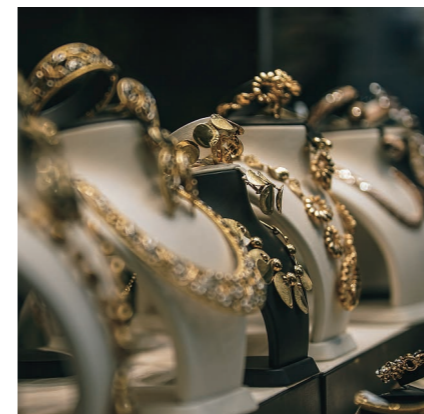
Recycling Industry

05

Retail Industry

06

Pawnshop /
Refining Industry



Precious Metal Analyzer



Application Examples



- Test the accurate analysis of the precious metals Au / Pt / Ag / Pd
- Check the gold on the spot: 0-24kt
- Check the gold content in waste metal
- Identify the impurity material
- Identify unknown metals

Environmental Requirements

Ambient Temperature 10-35°C	Relative Humidity 35-70%	Power Requirement AC220V±5V 50/60HZ
Precious Metals Special Analysis Software	External Dimension 414*416*362mm	Weight 28kg

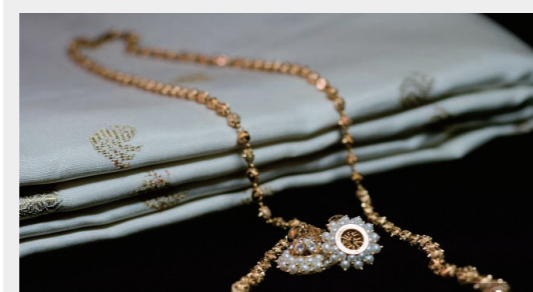
Technical Parameter

High voltage source: 0-50KV	Detector: SDD
Light tube voltage: 5-50KV	Multi-channel analyzer: DPP multi-channel analyzer
Light tube flow: 0-1000 μA	DPP: 4096-DPP
Filter: Choose a variety of custom switches	Sample cavity size: 307*268*97mm
Resolution: SDD129±5eV	

Analysis Of Precious Metals And Carat Level Identification

1

At present, the use of XRF analyzer to conduct chemical composition analysis and purity and color determination of precious metals has become a widely used, very popular, and has the national standard support and reliable performance method. The analysis of precious metals using XRF is a more rapid and economical multi-element detection method than the spark gold test method and the chemical reagent test method.



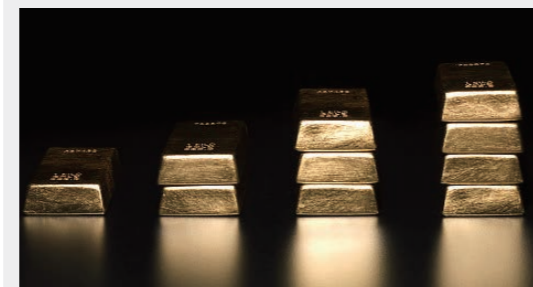
2

NA-8500The PM-450 analyzer produced by NAPCO Instrument provides users with a convenient operation and highly cost-effective testing technology. Without inserting the testing tool into the material of the tested sample, and will not damage the tested sample, you can obtain the alloy chemical composition information of the sample, and determine the carat level of the sample. Whether you buy precious metals such as gold, sell or produce jewelry, or recycle scrap metal, you need to have a very precise rating of a carat.



3

The NA-8500 analyzer can quickly obtain accurate analysis results of various types of samples



The Instrument Repeated The Analysis Data Of National Standard Samples

SAMPLE NAME	Au%	Ag%	Ti%	Fe%	Ni%	Cu%	Zn%	V%	Cr%
au07-1	96.0156	2.0335	0.0000	0.0000	0.0000	1.9459	0.0000	0.0000	0.0000
au07-_2	96.0430	2.0224	0.0000	0.0000	0.0000	1.9296	0.0000	0.0000	0.0000
au07-_3	96.0607	2.0229	0.0000	0.0000	0.0000	1.9114	0.0000	0.0000	0.0000
au07-_4	96.0030	2.0346	0.0000	0.0000	0.0000	1.9574	0.0000	0.0000	0.0000
au07-_5	96.0065	2.0402	0.0000	0.0000	0.0000	1.9483	0.0000	0.0000	0.0000
au07-_6	96.0299	1.9985	0.0000	0.0000	0.0000	1.9666	0.0000	0.0000	0.0000
au07-_7	96.0724	2.0151	0.0000	0.0000	0.0000	1.9075	0.0000	0.0000	0.0000
au07-_8	96.0040	2.0219	0.0000	0.0000	0.0000	1.9691	0.0000	0.0000	0.0000
au07-_9	95.9940	2.0361	0.0000	0.0000	0.0000	1.9649	0.0000	0.0000	0.0000
au07-_10	96.0734	1.9916	0.0000	0.0000	0.0000	1.9299	0.0000	0.0000	0.0000
au07-_11	96.0465	2.0281	0.0000	0.0000	0.0000	1.9204	0.0000	0.0000	0.0000
RSD%	0.0291	0.0154	0.0000	0.0000	0.0000	0.0224	0.0000	0.0000	0.0000

Advantages And Characteristics

Easy to Use

The analysis results of the carat grades and components can be obtained by one-click operation

Innovation Function

Contribute to identify the innovative features of gold-plated samples

Products Design

The fuselage structure is small and strong, beautiful in appearance, suitable for placement in the showroom

Fast Detection

Precise results on the chemical composition and carat grades of the sample can be detected within seconds

Software Function

Use PC and software to facilitate the production of sample test results certificate

Lighting System

Through the camera and the in-cabin lighting system, The inspection location of the sample can be seen, Enhance test confidence

Data Download

Test data can be uploaded to the download network, and the detection results are easy to view and share

Safe Protection

X-ray protective lock, The X-rays are emitted only in the closed state, Ensure customer use safely and reliably

Analyzes The Accuracy Of Au/Ag/Cu Elements In Jewelry

