

Rapid

Accurate

Non-destructive



**Precious Metal Analysis Expert**  
To detect precious metals such as Au, Ag, etc

**EDX600**

**X-ray Fluorescence  
Spectrometer**



## Skyray Instrument Inc.

—A professional manufacturer of  
X-ray Fluorescence Spectrometers

Skyray Instrument Inc. spent 15 years of dedicated service on the development, production and sales of X-ray Fluorescence Spectrometers. The company owns the world's first-class expert team in field of X-ray fluorescence analytical technology, abundant fund, and unparalleled technology. It has 56 patent technologies. The products are widely used in precious metal analysis (Au, Ag, Pt, Pd, etc), electronic and electric industry, cement industry, steel industry, plating thickness measurement, commodity inspection, scientific study, RoHS detection and so on. At present, the company tops the World's No.1 in both Sales Amount and Product Categories.

EDX600 integrates the precious metal detection technology and experience Skyray Instrument has obtained in the past years, and features for its unique product configuration, fully functional software and user friendly interface. Its human-oriented design grants you a simple measurement job.



# EDX600

| Rapid | Accurate | Non-destructive |

Specially designed for precious metal detection

## Application fields:

Content detection of precious metals Au, Ag and all kinds of ornaments

Mainly used in precious metal and ornament processing industries; banks, ornament sale and detection institutes



## Specifications

Measurable elements: Cu Au and Ag

Measurement accuracy: 0.05% (>96%)

Repeatability: 0.1%

Ambient temperature: 15°C-30°C

Ambient humidity: ≤70%

Test time: 60-100s

Power: AC 220V ± 5V (AC purified stabilized voltage power supply is suggested)

## Configurations

Single sample chamber

Proportion arithometo

High resolution CCD

Amplifier circuit

High and low voltage power supplies

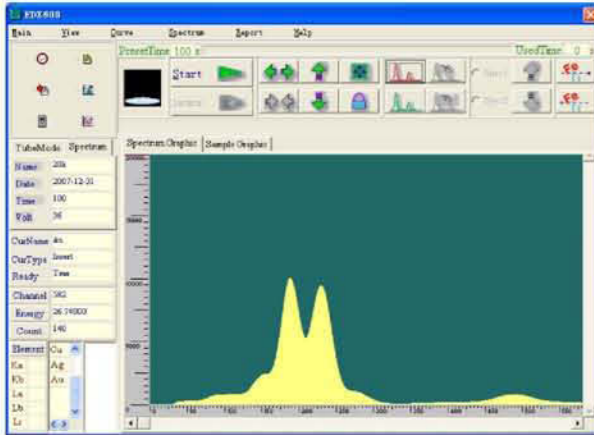
X-ray tube

PC and ink-jet printer



Sample chamber

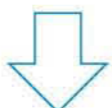
Application Software



Element	content	Intensity	Weight
Cu	6.510	435.250	0.325
Ag	10.200	424.180	0.510
Au	83.290	6209.200	4.165

Karat Value: 19.991K

Clearer detection results

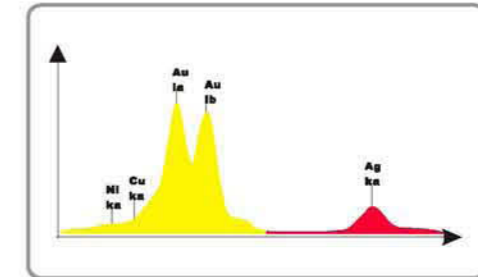


Auto report generation

**Testing Report**

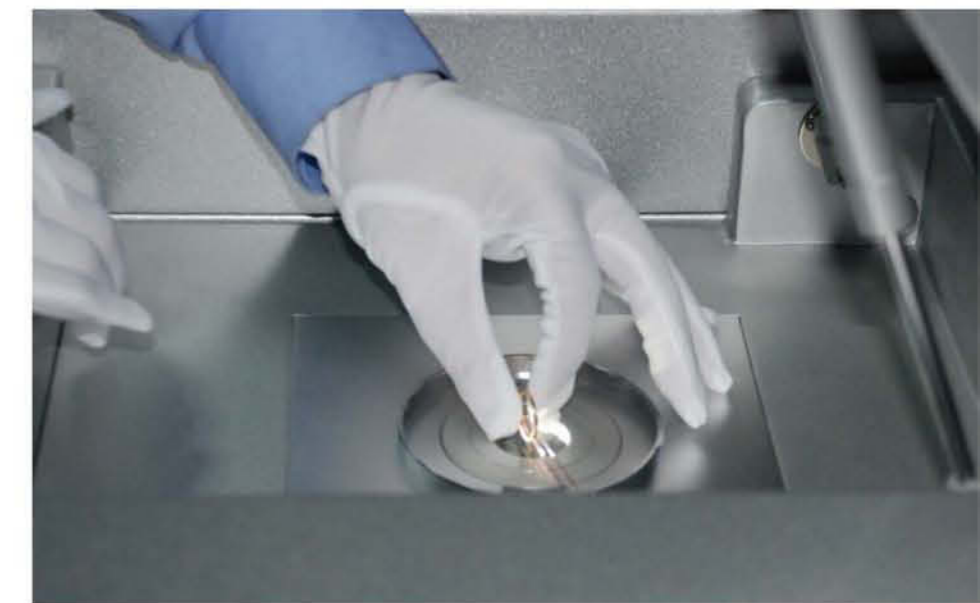
Sample Name	20k	Test Time	100	Test Date	2007-12-31
Element	Content(%)	Weight(g)			
Cu	6.51	0.325			
Ag	10.2	0.51			
Au	83.29	4.165			
Karat Value	19.991K				
Spectrum					
Sample Photo					
Remark					

Precious Metal Detection Example Spectrum



Test time: 100s

Elements	Content (%)
Cu	6.51
Au	10.2
Ag	83.29



Simple sample detection program

