

Optech Solutions

Skyray - We Only Make Precision Instruments  
**Spectroscopy - Chromatography - Mass Spectroscopy**

New Product

## EDX 880 Universal Precious Metals Analyzer



Optech Solutions

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## Product Introduction

EDX 880, a specialized precious metals tester, is capable of measuring inner walls of the jewelries and other irregular samples.

**Its features are:**

- ✦ Manual lift platform for measuring samples at different heights
- ✦ Multiple sample holding ways (universal sample clamp, plasticine, sample plate) for holding samples of different shapes
- ✦ Top lightening structure makes it easy to change the collimators
- ✦ The diameter of the collimator is as small as 1mm, making it possible to measure the micro area
- ✦ Large window proportional counter, meeting the requirements of different applications
- ✦ Large sample chamber for measuring large samples
- ✦ Laser positioning of CCD permitting visualized observation and fast positioning of samples
- ✦ Good radiation shielding capability protects the operators



*Small and light  
Curved line design  
Transparent glass cover*

### EDX880 **NEW** Precious Metals Analyzer

Added inner wall test and micro area test functions  
 Universal sample clamp  
 Lift platform  
 Glass cover  
 With small collimating aperture, the machine can test micro area  
 Laser positioning CCD

*Best*

### Technical specifications

Measurable elements: Au, Ag, Pt, Pd, etc.  
 Analysis range: 1ppm to 99.9%  
 Arbitrary optional analysis and identification models  
 Independent matrix effect correction models  
 Multi-variable non-linear regression procedure  
 Repeatability: 0.1%  
 Stability: ±0.1%  
 Power supply: AC 220V±5V

Measurement time: 60-200s  
 Tube voltage: 5-50KV  
 Tube current: 50-1000µA  
 Ambient temperature: 5°C-30°C  
 Dimension: 450X450X360mm  
 Weight: 39kg  
 Super large sample chamber: 300X250X160mm

### Application fields

Precious metals Au, Ag, Pt, Pd, etc.  
 Fields requiring analysis of precious metals by X-ray Fluorescence Spectrometry  
 Jewelry stores and other places

### Core Technologies

- ✦ Large power X-ray tube
- ✦ Super large window proportional counter
- ✦ Curved design, elegant and eye-catching
- ✦ Large sample chamber houses large samples
- ✦ Multiple sample holding ways (universal sample clamp, sample plate, plasticine), offering common tests, inner wall tests and irregular samples tests
- ✦ Manual lift platform offers tests of samples of different thicknesses
- ✦ Small collimator enables the test of micro area
- ✦ Laser positioning CCD positions the test spot visually and accurately. The laser automatically stops when the measurement starts, which helps taking clearer pictures.
- ✦ Good radiation shielding capability guarantees the safety of the operators
- ✦ The measurement can be observed through the transparent cover



### Standard configurations

- ✦ Proportional counter
- ✦ 50W X-ray tube
- ✦ High voltage output 50Kv@1mA
- ✦ Laser positioning CCD
- ✦ High sensitive signal detection circuit
- ✦ Manual lift platform
- ✦ Universal sample clamp
- ✦ Plasticine
- ✦ Collimator with diameter of 1.0mm

