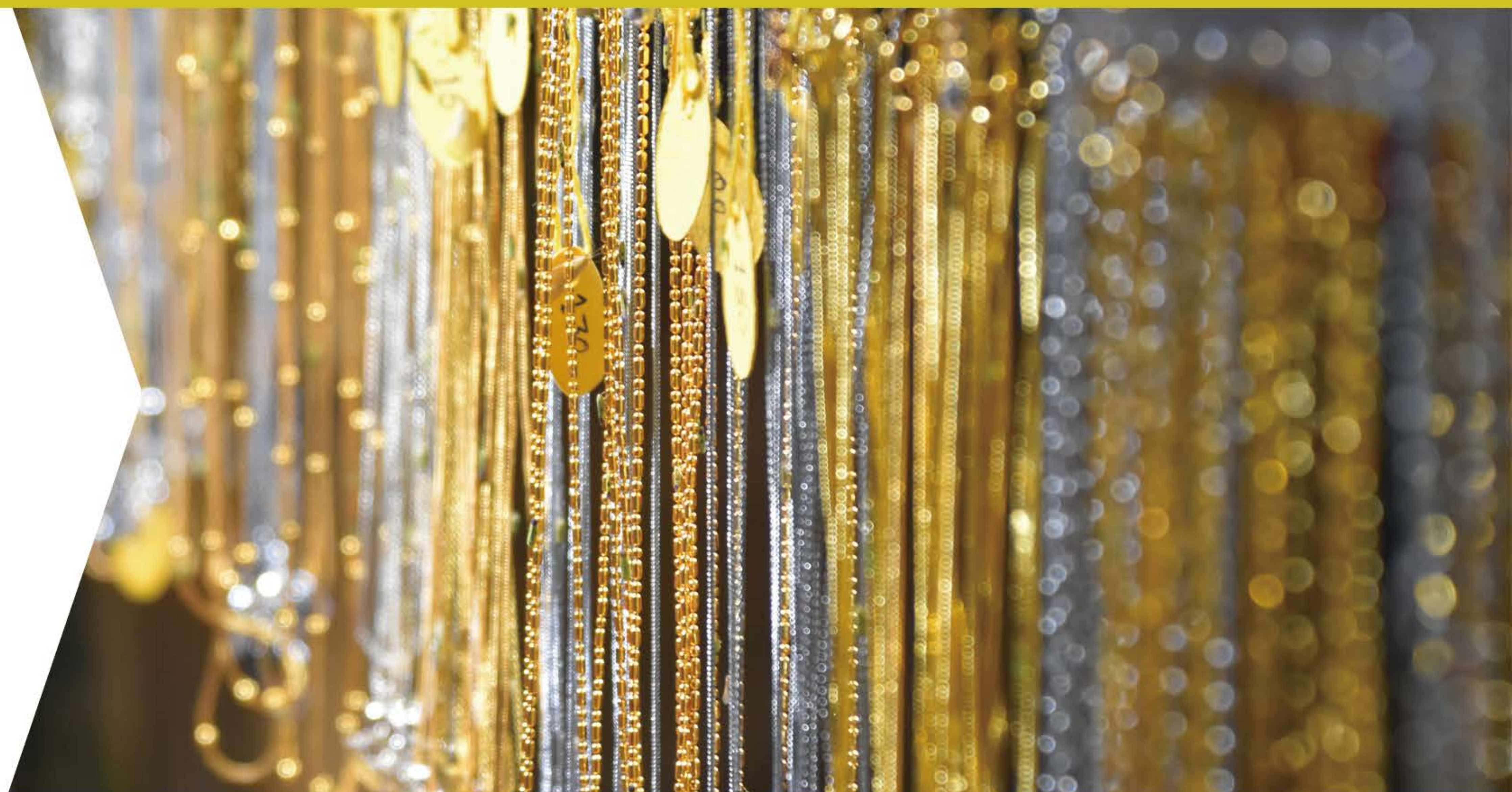




苏州英飞思科学仪器有限公司

Efficiency Scientific Instrument Co.,Ltd



EDX280D

Proportional Counter

XRF Gold Tester

Simply the Best

- > Budget-Minded: EDX280D is the most cost-effective XRF gold tester
- > Compact Design, takes up minimal space
- > Fast Non-destructive Accurate
- > Easy Operation
- > Minimal sample preparation

Overview

EDX280D Gold Analyzer for quick gold karat verification

XRF is a fast, precise & non-destructive tool for accurate analysis of materials. By consideration the current high value of gold, quantifying its fineness and purity is more significant than ever.

The EDX280D is an easy-to-use, cost-effective method to obtain alloy chemistry and karat classification.

The 280D Precious Metal Analyzer uses efficient proportional counter. With fair and reasonable price positioning, brand new FP software algorithm, humanized and convenient operation, it fully meets the requirements of precious metal analysis



EDX-280D



Test window with ring holder

Applications fields

- Jewelry factories
- Jewelry shops
- Pawnshops
- Banks.

Advantages

High count rates throughput with the proportional counter detector

User friendly and powerful FP precious metal testing software

Independent matrix effect correction models

Multi-variable non-linear regression procedure

Limitations

Limited elements can be detected

XRF is a surface/near surface technique meaning the analyzer only measures the portion of the sample directly in front of the window

Our global network provides a wide range of customer support functions

- Basic and Advanced user courses
- Support and service contracts for minimum downtime
- Expert technical help-desk
- Warranty support and instrument repair
- Instrument (software and hardware) upgrades
- Spare parts (available through trained distributors)
- Consumables

What is XRF

The X-ray fluorescence spectrometer consists of the following parts: X-ray generator (X-ray tube, high-voltage power supply), optics (analysis crystal, collimator and filters), counting and recording system (Pulse radiation analyzer, calibration meter, timer, integrator, recorder). Different elements have characteristic X-ray spectra with different wavelengths, and the fluorescence intensity of each line has a certain relationship with the concentration of the element. Qualitative and quantitative analysis can be performed by measuring the wavelength and intensity of the characteristic X-ray line of the element to be measured.

Specifications	
Composition range	1 ppm to 100 %
Repeatability	RSD ≤ 0.05% (Au ≥ 90%)
Detector	Proportional counter
	Output count rates: 0- 30000 cps
Sample type	solid, powders, liquid
Elements of interests	Au, Ag, Pt, Pd
Basic metals	Ni, Cu, Zn
Tube voltage	5KV ~ 50KV
HV unit	0 ~ 50KV
Tube current	0 μA ~ 1000 μA
HD camera	Integrated Inside Machine
DMCP	Digital Multichannel Processor
Sample chamber Dimensions	310*280*60 (mm)
Test time	30sec ~ 120sec
Software	Fundamental Parameter Gold Analyzer
Instrument dimensions	380*372*362 (mm)
Instrument weight	30kg
Power Supply	200-240V AC, 50/60Hz



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