

GOLD

X-Strata920 Instant Assayer

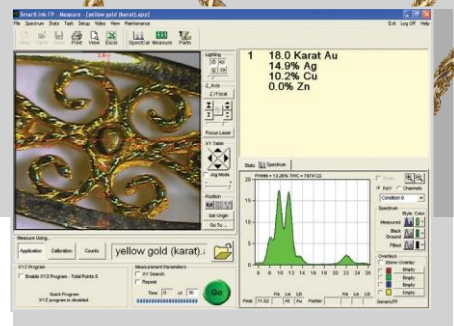
Rapid, non-destructive Karat analysis for Gold Jewellery and Precious Metals



Field-proven
analysis

Ease of use with pin-point accuracy

- **Non-destructive analysis**
No sample preparation, no chemicals, no waste
- **Accuracy**
± Wt % Gold between 8–25 Karats
- **Analysis of small to large samples**
Gold links from 0.01" (0.3 mm) diameter to large plated samples up to 6.3" (160 mm) high
- **Easy to use**
Reliable results with minimal user training
- **Rapid screening**
Confirmation of Karat content to ensure correct pricing



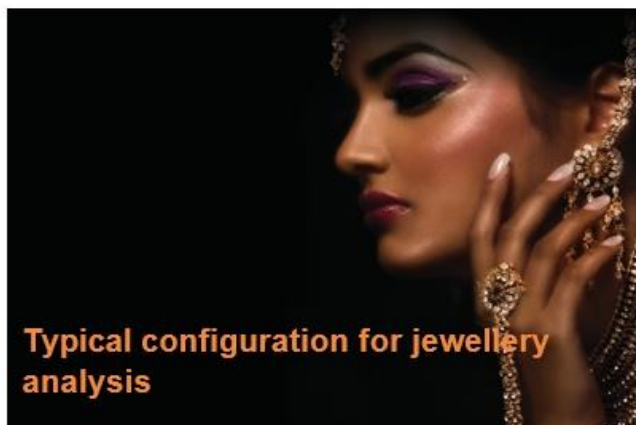
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X-Strata920 Instant Assayer

Key features

- Non-destructive, Energy Dispersive X-ray Fluorescence (EDXRF) technology
- Composition and coating thickness analysis for elements from Ti²² to U⁹²
- Measurement methods according to ISO 3497, ASTM B568 and DIN 50987
- Intuitive WindowsTM-based Smart Link Fundamental Parameters (FP) software maximizes user productivity, with standard-free and standards-based analysis
- Precision for Gold (Au): 0.1 wt%
- Results displayed as Karat or wt%
- Video camera providing large, clear sample image
- Precise crosshair for accurate sample positioning
- Powerful and flexible report generator
- 0.3 mm diameter collimator for analysis of individual small features such as links and clasps of a necklace



Typical configuration for jewellery analysis

- Miniwell base, for the analysis of samples small and large
- Combination of Oxford Instruments' field proven, microfocus 50 W X-ray tube, and high resolution, sealed Xenon gas filled proportional counter delivering outstanding precision
- 30X magnification videocamera
- Laser focus, with simple "point and click" function to automatically adjust focal distance (0.5"), improving system reproducibility and minimizing user-to-user variability



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MORE INFORMATION

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Other products

We have been providing industrial analysis products for the coatings market for over 40 years.

- Micro spot XRF:** for precise analysis of the smallest samples and features.
- Handheld XRF:** for portable coatings analysis of parts too large or heavy to fit in a benchtop system.
- Electromagnetic gauges:** for rapid thickness measurement of PCB copper, paint, anodising, electroplating and galvanising.

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