



ARUN
TECHNOLOGY

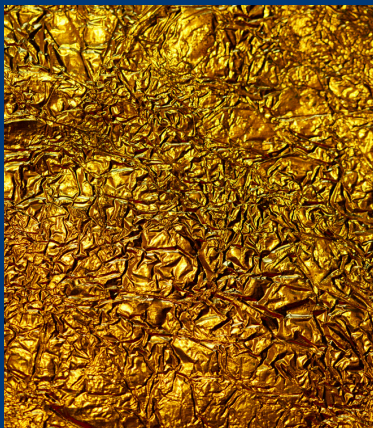
AURUM

THE ULTIMATE PRECIOUS
METALS ANALYSER



ARUN Technology's AURUM benchtop X-Ray Fluorescence analyser provides rapid and precise results for both detailed composition analysis and karat content assessment. XRF enables users to perform fast, economic, non-destructive inspection, making it a valuable asset for quality control, pricing, and authentication. The device delivers high performance in the detection of all constituent metals, not just gold. In a matter of seconds, you will be able to accurately measure the precise content of precious metals in jewellery, coins, and other valuable items thanks to the AURUM.

- Remarkably fast and user-friendly – No need to handle harsh chemicals and acids, causing burns or damaging your premises. Just close the lid, press the button, and within seconds you'll see results displayed on a vibrant touch-screen colour monitor.
- Reliably accurate and precise – Go beyond the results of fire assay - prevent losses from under-karated or counterfeit materials with detailed and accurate data.
- Non-Destructive - The tested samples remain intact and unharmed, preserving their original state unlike traditional acid and fire assay techniques.
- Designed for practicality – Tailored for retail environments, AURUM precious metal analysers are factory-calibrated and ready for use straight out of the box. View samples through the leaded glass chamber thanks to LED illumination of the radiation shielded sample chamber. Give customers a safe and reassuring experience.
- Detection of gold plating – X-Rays penetrate straight through coatings and use spectrum analysis to identify the base metal as well as the coating itself. Beat the challenge of identifying gold-plated silver, copper, steel or tungsten in seconds.



AURUM 900

The ARUN Technology AURUM 900 Benchtop XRF Analyser utilises Silicon Drift Detector (SDD) technology to offer a rapid and precise method for detailed composition analysis. It empowers users to conduct immediate, cost-efficient, and entirely non-destructive analysis to ascertain gold content and authenticate alloy composition. The ideal benchtop instrument to serve quality control, pricing, and authentication needs.

TECHNICAL SPECIFICATIONS

Instrument Weight	7kg
Instrument Dimension	32.5 x 31 x 33cm
Ray Tube	50kV max, 80uA max
Maximum Power of Ray Tube	4W max
Detector	30mm ² Silicon Drift Detector (SDD)
Collimator	2mm and 1mm collimators
Analysis Algorithm	Fundamental Parameter algorithm, with 0.01% accuracy
Elements	24 - Cr, Mn, Fe, Co, Ni, Cu, Zn, Ir, Pt, Au, Rh, Ru, Pb, Bi, Zr, Pd, Ag, Sn, Sb, Cd, In, Ga, Ge, W
Analysis Time	10-15 seconds for full composition analysis

APPLICATIONS

- Jewellery retailers and manufacturers
- Pawnshops and cash-for-gold operations
- Precious metals refiners
- Bullion dealers and traders
- Archaeologists and museums
- Analytical laboratories



KEY FEATURES

- Fast results in seconds (ID within 10 seconds)
- Accurate results
- User friendly software – easy to use 5.5 inch touch screen
- WiFi and USB connectivity – easy to export reports and results to PC
- Sample camera
- Powered from the mains power or battery for maximum flexibility
- Identification of gold plating





16 The Brunel Centre
Newton Road
Crawley, West Sussex
RH10 9TU

Telephone: +44 (0) 1293 513123
Email: sales@aruntechnology.com



Certificate Number 1122
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