

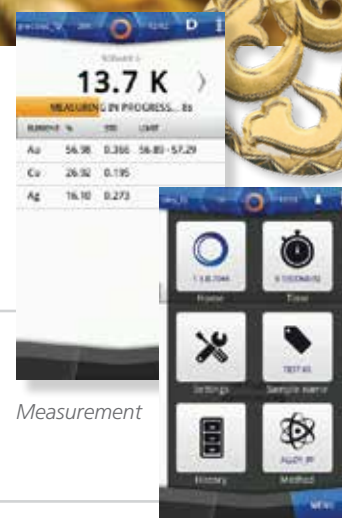
A collage of gold jewelry including a heart-shaped pendant, a braided chain, a diamond ring, and a large ornate pendant, overlaid on a background of gold bars and a digital scale showing 13.7 K.



**Faster!
Lighter!
Smaller!**

Fastest and easiest analysis method available
for the analysis of precious metals, from raw
materials to finished jewellery

- Verify the value of gold (Au) and other precious metals content in seconds
- Results displayed both in weight % and karat
- Accurate and reliable analysis of Au, Ag, Pd, Pt, Ir etc.
- Analysis of impurities and toxic elements such as cadmium (Cd) and lead (Pb)
- Analyse large bars or small objects
- Non-destructive analysis: no scuffing or grinding of sample, no material loss
- No chemicals needed
- Maximise profits through smarter buying and selling



Measurement

Main menu

For more information visit www.oxford-instruments.com/x-met7000



The Business of Science®

X-MET7000 Series: Which X-MET suits your needs?



X-MET7000 Quicksort	NEW X-MET7000 eXpress	X-MET7500
<ul style="list-style-type: none"> ● Cost effective choice for rapid karat sorting ● Includes 40kV X-ray tube and high performance Si PIN diode detector 	<ul style="list-style-type: none"> ● Fast and accurate jewellery analysis ● Low limits of detection ● Includes 40kV X-ray tube and high performance silicon-drift detector (SDD) 	<ul style="list-style-type: none"> ● Highest performance analyser ● Determination of tramp and trace elements ● Includes 45kV X-ray tube for enhanced heavy elements performance ● Includes highest performance silicon-drift detector (SDD)

Ease of use – maximum productivity

- Ready to use straight out of the box
- Easy to use, minimal user training required
- Up to 10–12 hours battery life: operate for over a day on a single battery charge
- Light and compact, yet rugged design (weight < 1.8 kg)
- Optional integrated camera for accurate sample positioning, image storage for future reference, and inclusion in reports. Option available on **X-MET7000 eXpress** and **X-MET7500**
- Quality benchtop stand (optional) for high throughput analyses and/or the analysis of small samples. Operated from PC or laptop

NEW icon driven user interface with large touch screen

- Largest screen on the market (4.3") for clearest results display
- Customisable results screen and analysis reports to suit individual needs
- The **X-MET** can store up to 100,000 results including the spectra
- Download results and reports directly on a USB memory stick, or onto a PC or laptop using a USB cable or WiFi
- Software available in 13 languages

Over
50 years
experience
in XRF



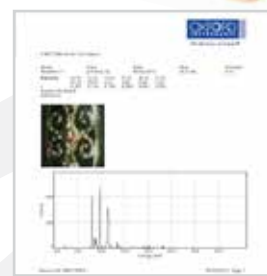
Benchtop Stand



Camera image



Analysis report



visit www.oxford-instruments.com/x-met7000 for more information

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