



# Continuing the tradition of excellence in isotopic and elemental analysis.



*Technology, performance and imagination —  
evidence that history does repeat itself*

GV Instruments combines 25 years of experience in Mass Spectrometry to produce versatile, reliable, high performance isotopic and elemental analytical instrumentation.

GV Instruments range of products include:

#### **Stable Isotope Ratio MS**

IsoPrime™ — A high performance IRMS designed to integrate with the widest range of inlet systems available

#### **Noble Gas MS**

From Helium to Xenon — a complete range of noble gas mass spectrometers

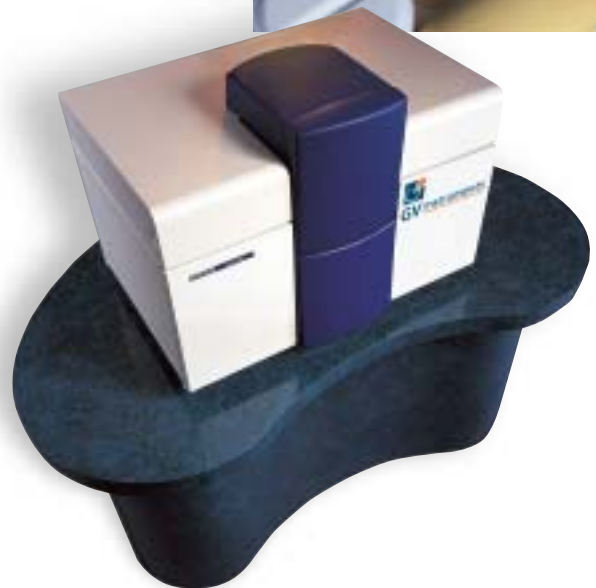
#### **Isotope Ratio MS**

IsoProbe™ — the most sensitive ICP instrument on the market

IsoProbe-T™ — a multi-collector thermal ionization mass spectrometer for precise isotope ratios

#### **Elemental Analysis**

Platform XS ICP-MS™ — a compact benchtop mass spectrometer, based on the SABER™ technology



*Pharmaceutical, geological, nuclear, environmental or industrial —  
GV Instruments has the instrumentation to handle your application  
with a selection of systems for analysis from basic to complex.*



**GV Instruments**

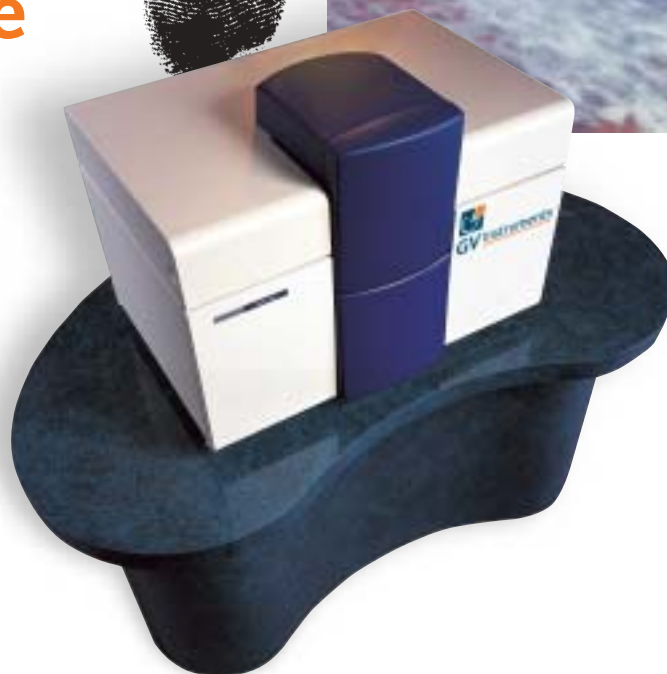
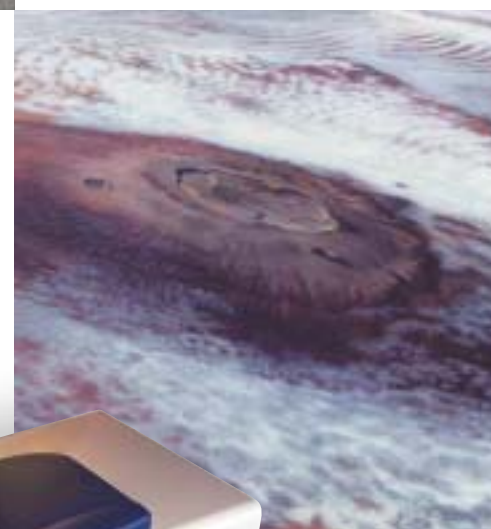
*And the tradition continues...*

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# Geological, environmental, pharmaceutical and forensic fingerprinting — with IsoPrime™



The **GV IsoPrime** is a powerful analytical tool for isotope characterization which can also be used to fingerprint natural variations in environmental and geological samples.

The **GV IsoPrime** provides complete modular flexibility for both Dual Inlet and Continuous Flow applications. A comprehensive range of sample preparation systems including EA, GC, Multiprep and Multiflow are totally integrated into the IsoPrime system.

The new MassLynx 4.0 software provides seamless integration of the selected hardware components coupled to the IRMS system providing a complete platform for both routine and research applications.

For more information about the IsoPrime and other GV Instruments products please contact one of our world-wide locations.



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# Pharmaceutical and Clinical Fingerprinting — with IsoPrime™



Now you can characterize your drug production by recording individual Active Pharmaceutical Ingredient (API) lots — increasing the security and integrity of your products.

The **GV IsoPrime** is a powerful analytical tool that uses stable isotope characterization to fingerprint the natural variations in the composition of each production lot alleviating possible counterfeiting, theft, countertrading and vicarious liability.

Use stable non-radioactive tracers to diagnose and treat disease, track biological processes in animal energetics or human metabolism. Asses the effects of drugs and neutraceuticals in animal and human studies.

From the characterization of drugs to metabolic studies of the effects of those drugs the **GV IsoPrime** is a powerful analytical tool providing diagnostic information for a wide variety of pharmaceutical and clinical applications.



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