X-Series// ICP-MS Spectrometer

The XSeries// ICP-MS is the world's smallest benchtop ICP-MS and sets the standard for others to follow, offering the highest productivity and performance in its class. Equally at home in either busy environmental monitoring laboratories or demanding clean room environments, the XSeries// ICP-MS provides the complete solution for routine elemental analysis.

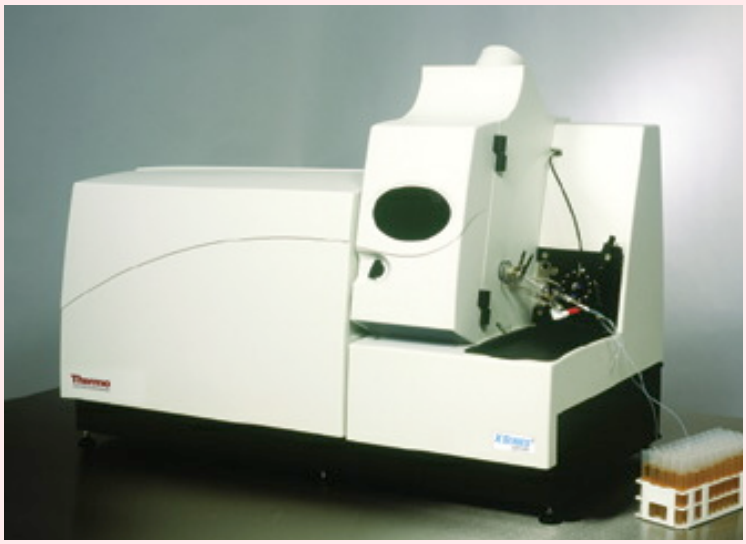
The XSeries// ICP-MS is a robust analytical instrument capable of meeting the most challenging requirements. It is a powerful and precise measurement tool with a variety of features designed to improve practicality, productivity and performance in the laboratory. The XSeries// ICP-MS provides analytical scientists with:

User Configurable Sampling Interface for the ultimate flexibility to optimise performance across a range of applications. The XSeries// ICP-MS is available in tailored configurations to suit all applications with user inter-changeable Xt and Xs interface options.

Innovative Infinity Lens Ion Optics provide the lowest background specification of any quadrupole ICP-MS for routine ultra-trace analysis. This ion lens design uniquely enables simple field upgrade to Collision Cell Technology performance without affecting the normal (non-CCT mode) sensitivity or background.

Unique Upgradeable Collision Cell Technology and PlasmaScreen Torch Combination for routine interference free elemental analysis. Combining PlasmaScreen with the Peltier cooling option provides enhanced performance leading to the highest signal / background of any quadrupole ICP-MS with collision cell capability.

High Performance Quadrupole Analyser pumped by a novel split flow turbo pump, which is backed by a single rotary. The high capacity pumping system enables the use of diluted reactive gases such as 7% H_2 in He or 1% NH_3 in He to be used in CCT mode rather than undiluted H_2 or NH_3 thereby eliminating potential corrosion problems and enhancing instrument reliability and operator safety.



Simultaneous Detector Technology that is field proven for high sample throughput applications, accurately measures major and minor concentrations in a single run. The SIM analog / PC detector with real time MCA electronics provides >8 orders of dynamic range ensuring the spectrometer is suitable for both steady state and transient signal analysis.

Application Specific Productivity Packs for off-the-shelf method compliant analysis. Developed to include method templates, optimised acquisition parameters and customised reporting, they provide simple and immediate conformance to regulatory protocols such as UK DWI NS30, while ensuring the lowest cost per sample analysis.

PlasmaLab Software
The instrument and accessories are fully computer controlled by the field proven PlasmaLab software. Integrated QA/QC software enables unattended operation within user-defined quality criteria.

Time resolved analysis (TRA) software is provided as standard, enabling data acquisition for LA-ICP-MS and LC-ICP-MS studies without additional cost or requirement.