

## Ultrasensitive Inductively Coupled Plasma Mass Spectrometer



Bruker Corp. has introduced the aurora Elite, an ultrasensitive inductively coupled plasma mass spectrometer (ICP-MS).

The aurora Elite boasts a host of performance enhancements and new features, with 1.5 GHz/ppm sensitivity for precise and accurate quantification at single digit ppt levels and below. This sensitivity suits the ICP-MS for semiconductor, geochemistry, materials science, and related applications. The lowest oxide ratios using its turner-interlaced coils ensures robust plasma conditions for complete matrix decomposition, all without the requirement of a plasma shield or guard electrode.

The combination of the spectrometer's high sensitivity with the all-digital detector delivers excellent results for isotope ratio determinations of low concentrations and for large ratios, and this is true for liquids and solids. The combination of the spectrometer's GHz sensitivity with short integration times makes this a suitable instrument for the analysis of nanoparticles.

**Bruker Corp.**, [www.bruker.com](http://www.bruker.com) [1]

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[1] <http://www.bruker.com/>