



NEW SPEEDS LONGER RUNS
MORE SAMPLES

Unique, State-of-the-Art Technologies for Seamless Operation – and Exceptional Results

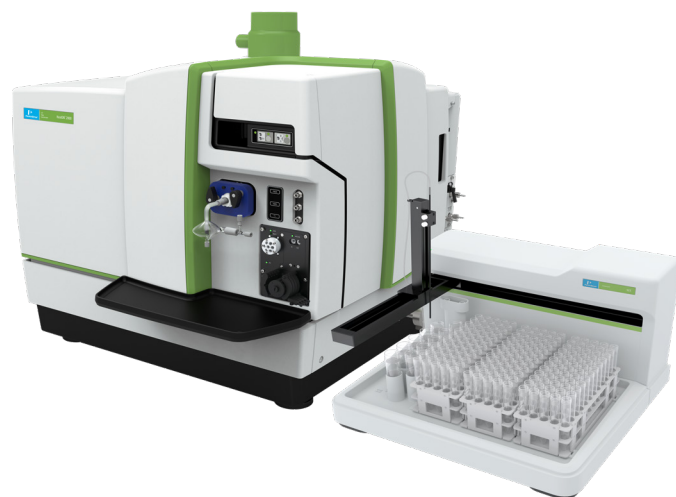
Testing labs like yours often depend on fast turnaround at the lowest possible cost, while still needing to meet regulatory requirements with uncompromised accuracy. And that's precisely what our NexION® ICP Mass Spectrometer with HTS (High Throughput System) and S20 Series Autosamplers are designed to deliver.

High Throughput System (HTS)

sample introduction module for elemental analysis. It consists of a metal-free 7-port valve, 4-channel peristaltic pump and a high-speed vacuum pump that expedites sample loading, dramatically reducing laboratory overheads and cost of analysis. It integrates seamlessly with the NexION ICP-MS (1000, 2000, 5000) and Syngistix™ software, delivering up to five times faster sample throughput without compromising detection limits, accuracy or repeatability.

S20 Series Autosamplers

The S20 series is the next generation of high-performance, robust, and agile autosamplers designed specifically for our spectroscopy platforms. It comprises two autosamplers – the S23 with three racks (up to 270 samples) and the S25 with five racks (up to 450 samples) – designed to meet the needs of all laboratories requiring reliable automation and ease of use.



NexION 2000 ICP-MS with HTS and S23 Autosampler

Great Technology Makes All the Difference

What's more, the NexION series ICP-MS leverages a variety of other unique and proprietary technologies that deliver seamless operation, so you can focus on what matters most – your results.

The **All Matrix Solution (AMS)** system lets you run samples with high total dissolved solids (TDS) and without manual dilution. And the solid-state free-running (RF) generator delivers superior plasma control and stability to handle these samples.

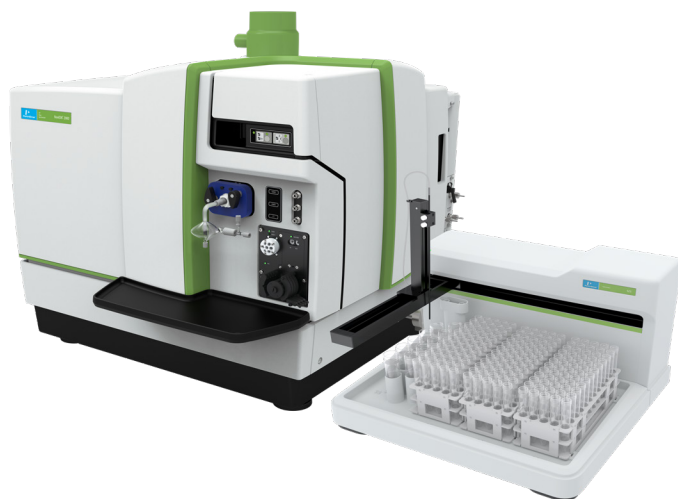
LumiCoil™ is a revolutionary RF coil that's guaranteed for life and requires no water or gas cooling. Coupled with an innovative, patented plasma generator, it enhances analytical performance as well as reliability while lowering operating costs.

The combination of **Triple Cone Interface and Quadrupole Ion Deflector** ensures that unionized material never reaches the cell or detector. This combination eliminates the need for maintenance behind the cones without sacrificing stability or accuracy.

Universal Cell Technology™ delivers best-in-class interference removal – and real confidence in your data. Its three modes of operation (standard, collision, and reaction) combine collision-cell simplicity with reaction-cell efficiency, all in a single instrument.

The exclusive **Extended Dynamic Range** functionality allows you to measure elements with low and high concentrations in the same sample in the same run. This extends your linear dynamic range by up to twelve orders of magnitude, optimizing your productivity and preserving the lifetime of the detector.

And our **Syngistix™** software provides an intuitive interface that mirrors your workflow, with left-to-right icon-based navigation that guides you through your analysis. And because it's a cross-platform solution, it eases the transition from technique to technique. Plus, it features preloaded testing methods, eliminating the need for method development in various applications.



HTS and the S20 Series Autosamplers integrate with the NexION ICP-MS, Syngistix Software delivering seamless operation and faster turnaround.

For more information about our NexION ICP-MS high-throughput solution, visit www.perkinelmer.com/NexIONHTS

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