



# THE NEW SPEED OF AGILITY

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

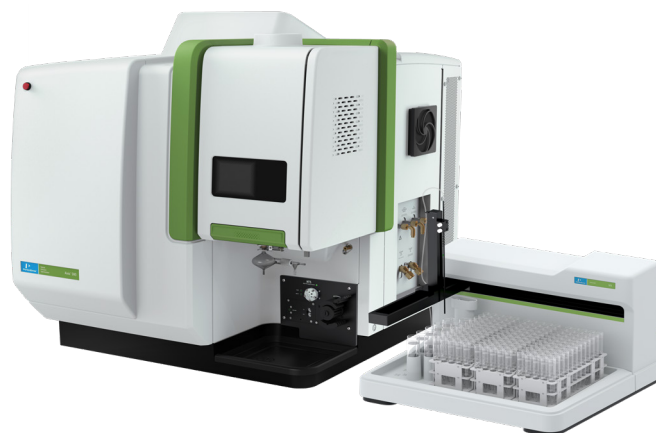
Testing labs like yours often depend on fast turnaround at the lowest possible cost, while still needing to meet regulatory requirements with uncompromised accuracy. And that's precisely what our Avio® ICP Optical Emission Spectrometer with HTS (High Throughput System) and S20 Series Autosamplers are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

### High Throughput System (HTS)

HTS is a novel flow injection 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 Avio ICP-OES (200, 500) 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.



Avio 500 ICP-OES with HTS and S23 Autosampler

## Great Technology Makes All the Difference

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

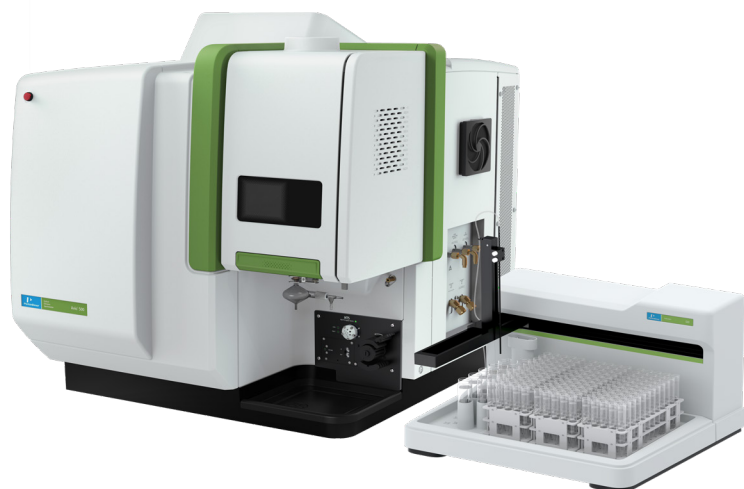
Our patented **Flat Plate™** Plasma Technology delivers a more robust, stable plasma, and uses half the argon of load-coil ICP systems (at least 50% less than other systems).

**Vertical Plasma Torch Design** delivers unrivaled matrix flexibility and reduced maintenance. Its design lets you make adjustments quickly and easily, even while the system is running. The removable injector is independent of the torch, simplifying maintenance and reducing the potential for breakage.

**Dual View** delivers full wavelength coverage, with no loss of light or sensitivity. Even elements at high (>500 nm) or low (<200 nm) wavelengths can be measured with complete confidence in the same run.

**Color PlasmaCam™** offers continuous viewing of the plasma, simplifying method development and enabling remote diagnostic capabilities.

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. What's more, it features preloaded testing methods, eliminating the need for method development in many applications.



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

For more information about our Avio ICP-OES high-throughput solution, visit [www.perkinelmer.com/AvioHTS](http://www.perkinelmer.com/AvioHTS)

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