

LSX-213 G2

Laser Ablation System

The LSX-213 G2 is the pinnacle of solid state laser ablation performance and simplicity. Whether performing micron level feature analysis in geological thin sections or rapid process control sampling, the features you need are readily available to get the job done. If you are looking for a high performance 213 nm laser ablation system that works routinely, you need the LSX-213 G2.



UNCOMPLICATED EXCELLENCE

The LSX-213 G2 system features the latest in optical design technology to target areas of interest, while employing the most powerful UV laser in its class to ablate even the most challenging of samples. The intuitive and powerful DigiLaz™ G2 software allows the user to easily create and save methods for all types of analyses. You can set precise targets for single point, multi-point, line scan, area scan, area raster and depth profiling, or simply draw a pattern over the area you want to analyze. All laser parameters are software adjustable, including command of the helium carrier gas flow controller, which is standard on all systems. Spot sizes ranging from 5 microns to > 200 microns are generated using aperture imaging technology, and are easily changed and set using the DigiLaz™ G2 software. From power, spot size and scan speed to control over timing and communication with your spectrometer, CETAC is focused on making your job easier; simply, Target, Ablate, and Analyze.

CLARITY

The major benefit of laser ablation is the direct interaction between analyst and analyte. The LSX-213 G2 incorporates the latest in optical design technology providing the user with optical resolution of better than 2 microns while maintaining a wide field of view for sample navigation. The heart of the viewing optics lies in the high intensity LED arrays above and below the sample cell. When focused on even the smallest details, this unique, highly intense lighting design produces extremely clear images. When using transmitted light for thin sections, the computer controlled rotating polarizers allow you to further resolve details with maximum clarity. Since the laser is always in perfect alignment with the optics, what you see is what you'll analyze.

RELIABLE

Built on the proven thermally and mechanically isolated LSX platform, the liquid cooled laser and completely enclosed optics give the LSX-213 G2 an unparalleled degree of ruggedness and tolerance in any laboratory environment. The easily portable system integrates with all ICP-MS and ICP-AES systems, so you stay focused on your samples, not your tools.

FLEXIBLE

The open architecture design allows for the use of a variety of sample cells without physical cabinet restrictions, and specialized sample cells can be designed to meet the requirements of the widest possible range of samples. Optional large format stages provide even greater flexibility. Whether the sample is large or small, or whether it needs temperature or pressure assistance for effective analysis, the LSX-213 G2 platform has unparalleled flexibility to meet this need.

Technical Specifications

Enclosure: Class 1 with safety interlocks

Cooling: Closed loop distilled water system

Power Requirements: 100-240 VAC

Dimensions (H x W x D): 69 cm x 46 cm x 51 cm
(27¼" x 18" x 20")

Weight: approximately 75 kg (165 lbs)

Warranty: 12 month limited

Target • Ablate • Analyze