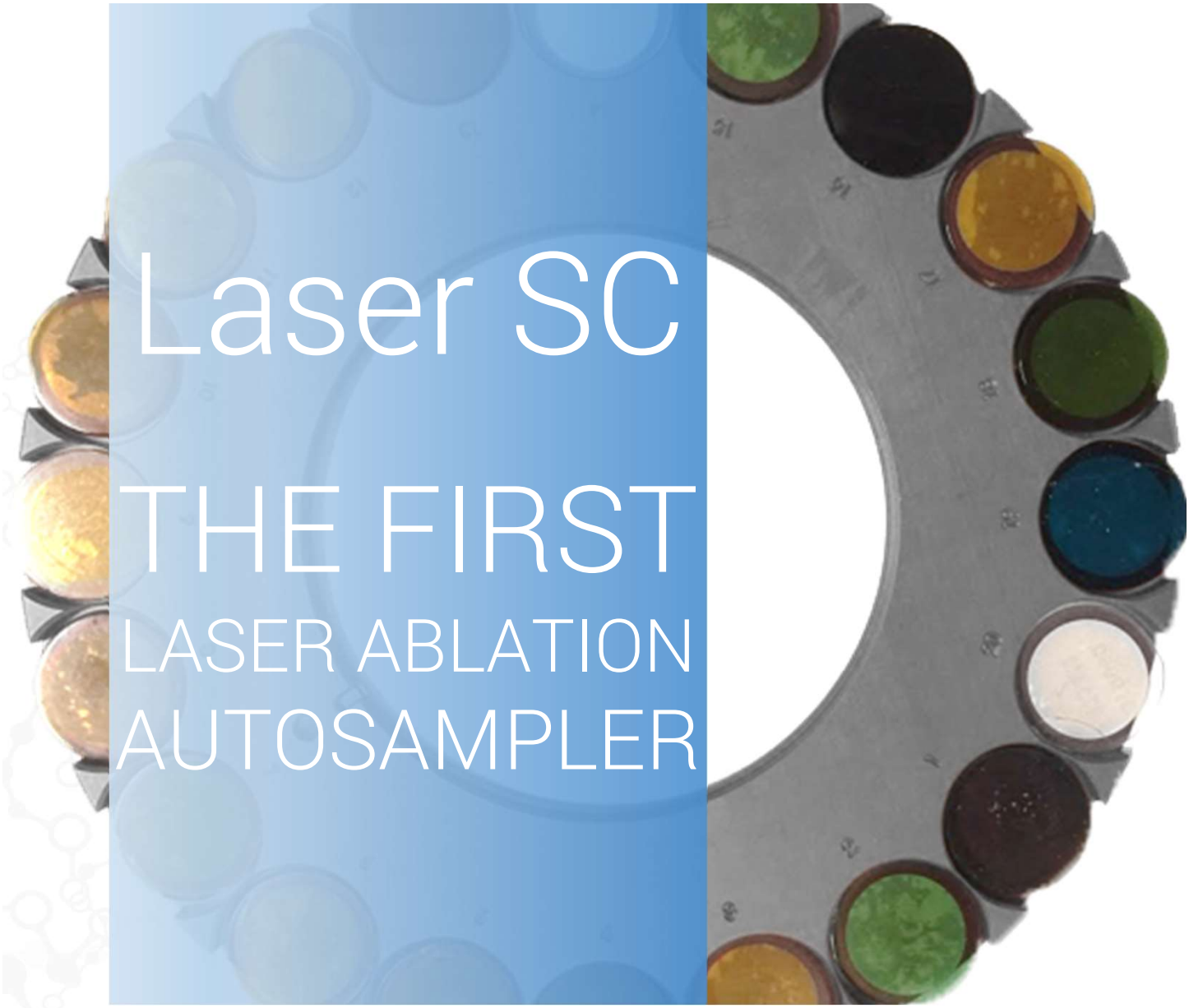


Laser SC

THE FIRST LASER ABLATION AUTOSAMPLER

Laser ablation ICP-MS for high throughput trace elemental analysis, optimized for industrial settings

Features

"Hands Off" operation

SelfSeal sample chamber

Purge time of <5 sec

Focusing time eliminated

Unique sequential approach minimizes time-to-result

Customizable for a wide variety of sample types and throughput requirements

Fully automated carousel or full robot handling further enhances sample throughput – up to 1000 per day!

Advanced integration with ICP-MS via plugins

Elemental Scientific LASERS

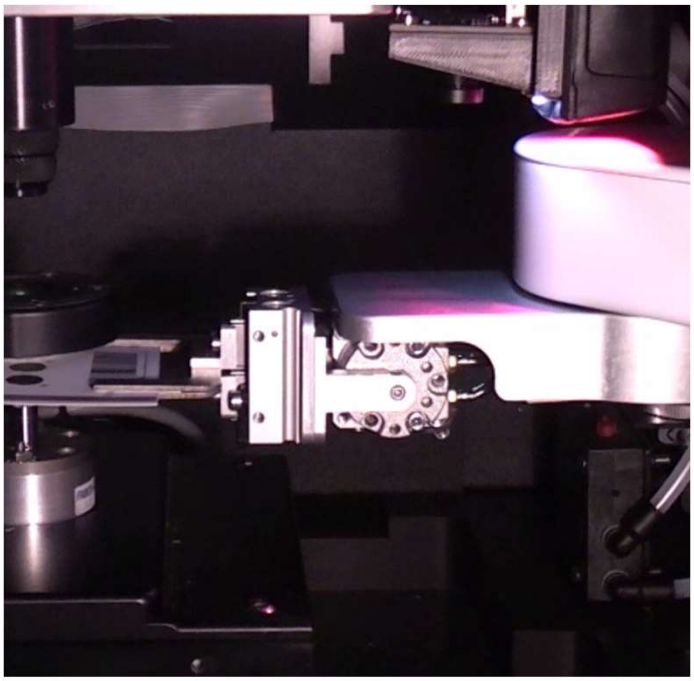
INNOVATION TO ILLUMINATE

Laser SC
Specifications summary

The advantage of Laser SC is the use of "sequential" rather than “batch” analysis. Each sample is presented, analyzed and deposited one at a time.

Time-to-result is short because just one sample is needed to begin sampling – others can be added on-the-fly without affecting throughput.

The SelfSeal sample chamber reduces purge time to <5 seconds per sample. The sample loading mechanism enables completely automated analysis, reducing man-hours and human error compared to traditional LA-ICP-MS methods.



Sample capacity	
DBS Robot	Up to 126 Whatman DMPK dried blood spot cards
XRF Carousel	Up to 20 XRF beads
XRF Robot	Up to 1120 XRF beads
Customization	Custom solutions available on request

Requirements	
Samples	Consistent form factor
Analysis	Bulk analysis

Performance Specifications	
Purge Time	<5 seconds
Focusing time	Eliminated by automatic delivery of sample to focal plane
Re-sampling Reproducibility	<3% RSD for most elements (n=10 on NIST610)

Additional Options	
NWR platform compatibility	NWR193, NWR213, NWR266, NWRfemto are available
Sample tracking	Barcode scanner available, interfacing with ICP-MS via plugin

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