



NWR266

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LOWEST DETECTION LIMITS
FOR BULK ANALYSIS
APPLICATIONS

Achieve lowest detection limits for your bulk analysis application with ICP-OES and ICP-MS

Features

Large spot size

Up to 1mm spot size for improved sensitivity of bulk and spatial analysis

Automation

100 mm x 100 mm sample chamber for large samples and hands-off automation – compatible with robotic sample handling

ActiveView2 Software

Intuitive, feature-rich laser ablation control software – designed around your workflows

Multi-layered viewing for outstanding sample navigation and quick experimental setup

Improved ICP/ICP-MS compatibility

 **Elemental Scientific**
LASERS

INNOVATION TO ILLUMINATE

NWR266macro

Specifications summary

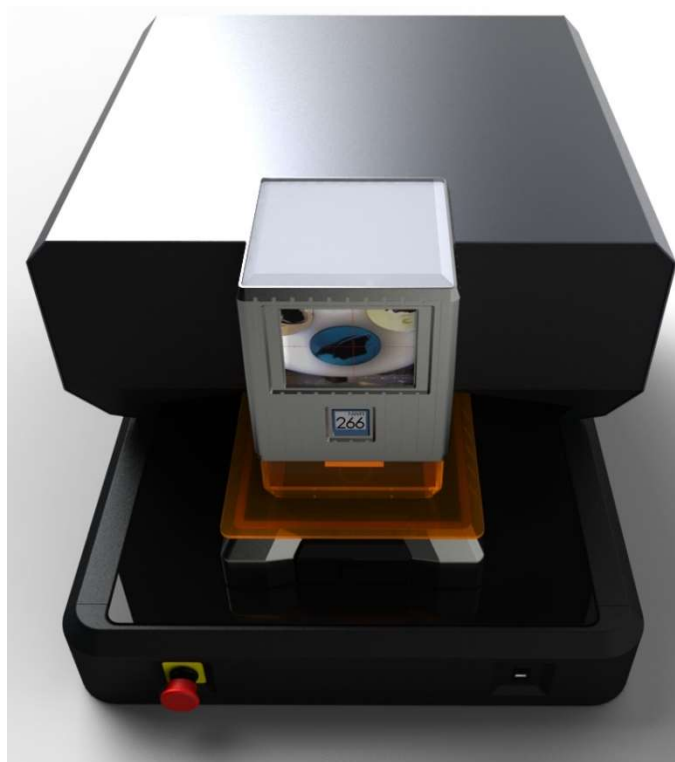


Performance Specifications

Laser	ESL designed and built Nd:YAG @ 266nm
Beam profile	Internally homogenised at fundamental wavelength for improved stability
Repetition rate	1-10 Hz
Laser attenuation	Attenuation of beam energy at the fundamental wavelength
Fluence	>20 J/cm ² at the sample surface measured during sample ablation
Spot sizes	Aperture Imaged: 13 spots 20-780 µm Extended Range: Up to 1000 µm
Ablation chamber	Two Volume ablation chamber - TwoVol1
XY Stage	100 mm x 100 mm, < 0.16 µm resolution and < 1 µm stage accuracy (reproducibility)
Mass flow controllers	Standard: 0 – 1 L/min He MFC
Triggering	Bi-directional hard triggering Software plug-ins with ICP-MS systems for greater control and automation
Primary viewing system	Full HD 1080p digital camera with 15x to 60x objective-to-camera magnification
Secondary viewing system	25 mm field of view for macro navigation
Lighting	3 high-intensity, LED light sources (coaxial, ring and transmitted) Fully software controlled
Polarizer	Software-controlled rotating cross polarizer
Software	Class leading ActiveView2 software

General Specifications

Safety classification	Fully interlocked Class 1 system
Warranty	12 months
Dimensions	81 cm x 61 cm x 48 cm (32" x 24" x 19") DxWxH
Weight	91 kg (200 lb)
Cooling	Closed loop distilled water system
Platform	Ultra-stable bridge design



Site Requirements

Temperature	21°C ±3°C (70°F ±10°F)
Relative humidity	20% - 65% non-condensing
Power requirements	100-110V (AC), 6A, 50/60 Hz 220-240V (AC), 3A, 50/60 Hz

Additional Options

TwoVol sample chamber	Significantly higher performance in precision, accuracy, purging and washout Available as 100mm or 150mm
Mass flow controllers	Optional: 0 – 100 mL/min N ₂ MFC Optional: 0 – 1 L/min Ar MFC
Signal smoothers	Glass bulb signal smoother and Sentinel signal smoother
Warranty extension and service contract	Available on request

