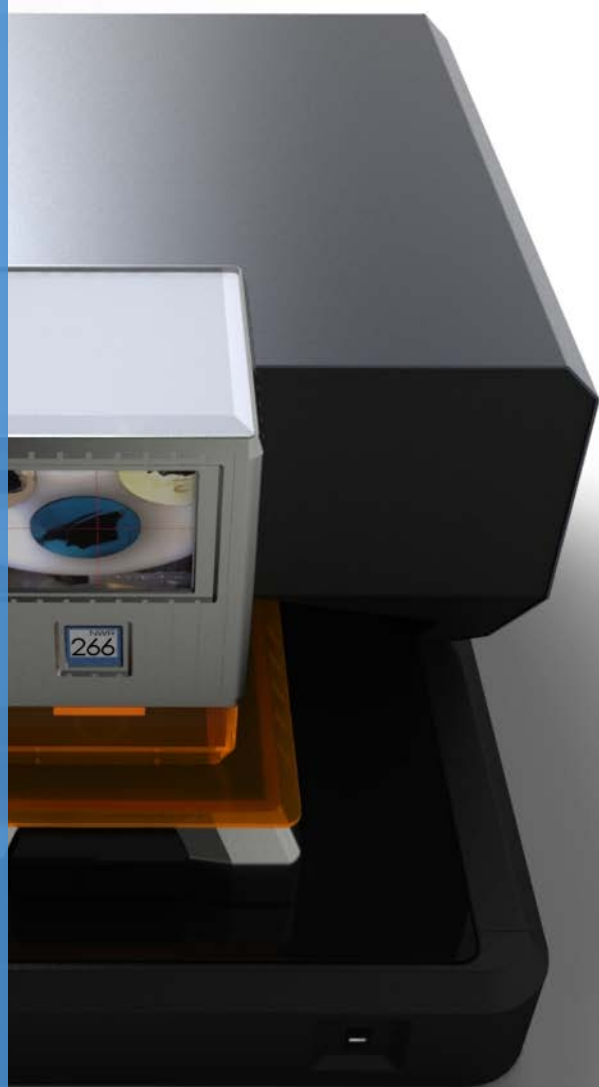


# NWR266

m a c r o

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

100mm x 100mm 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 greater sample control in less time

Improved ICP/ICP-MS compatibility

# NWR266macro

## Specifications summary

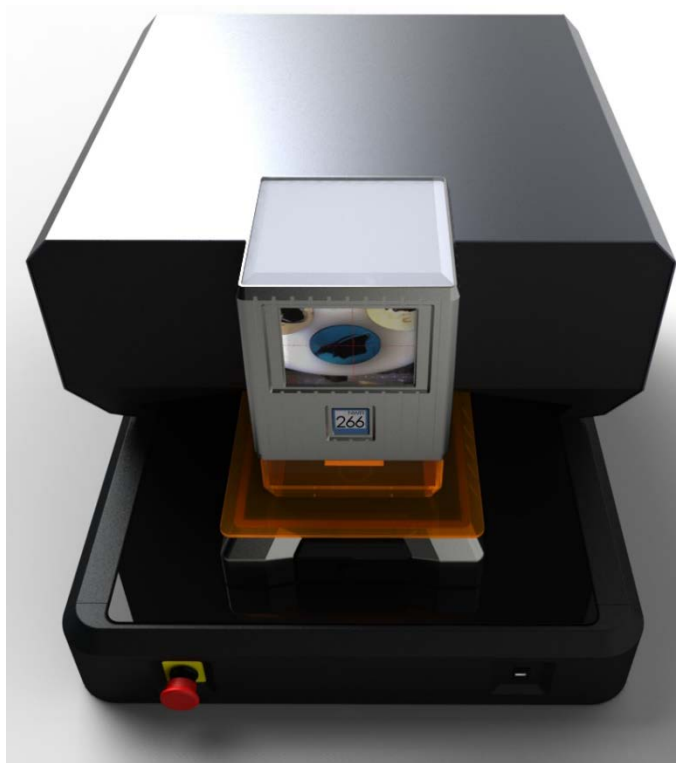


### Performance Specifications

Laser	ESI designed and built Nd:YAG @ 266nm
Beam profile	Internally homogenised at fundamental wavelength for improved stability
Repetition Rate	1-10Hz
Laser Attenuation	Attenuation of beam energy at the fundamental wavelength
Fluence	>20 J/cm <sup>2</sup> at the sample surface
Spot Sizes	Aperture Imaged: 13 spots 20-780µm Extended Range: Up to 1000µm
Ablation chambers	Two Volume ablation chamber - TwoVol1
XY Stage	100mm x 100mm, 1µm resolution
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	25mm 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	81cm x 61cm x 48cm (32" x 24" x 19") DxWxH
Weight	91kg (200lb)
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, 50/60Hz 220-240V (AC), 3A, 50/60Hz

### 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 <sub>2</sub> MFC Optional: 0 – 1 L/min Ar MFC
Warranty extension and service contract	Available on request

