

A photograph of the TwoVo13 ablation cell, showing a blue protective cover on the left and a clear orange protective shield on the right. Inside the orange shield, a gold-colored circular component is visible. The background is dark, and the overall lighting is focused on the device.

TwoVo13

1 ms PEAK WIDTH

THE FASTEST
ABLATION CELL

*The ultimate ablation chamber
for both elemental imaging and isotope ratio measurements*

Features

Fastest ablation chamber

Pixel Acquisition

User switchable modes

XYZ Stages

< 1 ms peak widths!

Fully resolved up to 1 kHz

- 1) Imaging Mode – for highest resolution imaging in the shortest time
- 2) Analytical Mode – for unmatched spatial reproducibility to limit variation (< 1%) in elemental and isotopic ratio determination

Fast, closed loop, 100 mm x 100 mm XY stages provide 10 nm accuracy

TwoVol3

Specifications summary

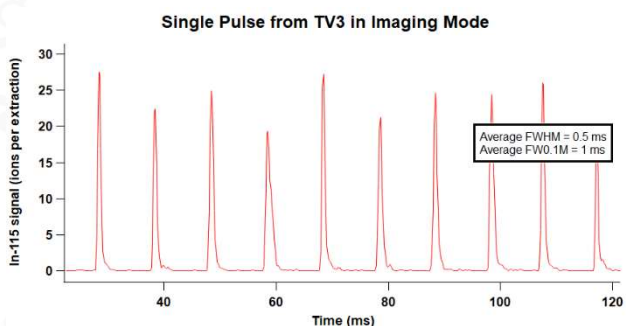


Performance Specifications

Peak Width	Imaging Mode: < 1ms Analytical Mode: < 700 ms (smoothing available)
Baseline Resolution	1 kHz
Signal Reproducibility	< 1.5 % RSD
Stage Travel	100mm x 100mm
Aerosol Path	Imaging Mode: Fixed geometry, linear, direct to ICP. Lefthand and Righthand outlet.
Stage Type	Closed loop linear
Stage Repeatability	100 nm
Stage Resolution	10 nm XYZ
Stage Speed	20 mm sec-1
Gas Handling	2 He Mass Flow Controllers Unique and patented internal bypass valving
Purge	Patented Typhoon purge with dedicated bottom purge outlet for complete purge in < 5 mins



High resolution elemental imaging can now be performed faster than ever before with the TwoVol3 as demonstrated by the section of mouse brain above.



The TwoVol3 readily provides peak widths of < 1 ms as demonstrated by the above analysis of a gelatin standard.

Compatibility

Platforms	NWR213, NWR193UC, NWR193HE, NWRfemto, NWRimage
Software	ActiveView2
Aerosol Transport	Dual Concentric Injector Signal Smoothers

Additional Options

Sample Chamber Inserts	A variety of sample chamber inserts enabling accommodation of various sample types
CryoCell	For wet tissue analysis



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