



UHV CELL

ULTRA HIGH VACUUM
FOR ISOTOPE RATIO
ANALYSIS

AVAILABLE FOR He, Ne OR Ar

Ultra high vacuum laser ablation chamber with
flush window and bolts for safe operation

Features

52 mm sapphire window

Tested to $<10^{-10}$ atm-cc/sec

Free movement and protected lens

Window is flush with top surface of the cell and
engineered with recessed bolts

Scientific design

Designed by Prof Pieter Vermeesch and his
team at University College London to the
highest specification

UHV Cell

Specifications summary



Performance Specifications

Stage Return Accuracy	< 1.5 μm short term < 4 μm long term < 1 μm long term with ImageLock
Working Area	52 mm \varnothing
Stages	High precision cross-roller with 0.16 μm step resolution
Chamber Mount	Direct without cantilever for consistent loading at all stage positions
Dual-camera Compatible	Compatible with main and wide-angle viewing systems for easy navigation
Chamber Compatibility	Easily exchanged with the TwoVol2 cell for LA-ICPMS in less than 20 minutes



Compatibility

Platforms	NWR193, NWR213 and NWRfemto
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