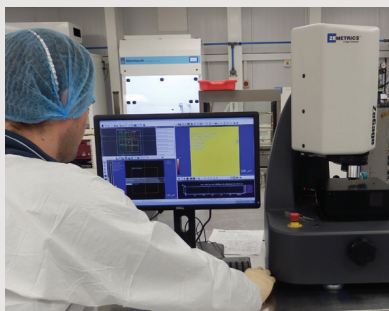




# NEWS

[www.torrscientific.co.uk](http://www.torrscientific.co.uk)  
Issue 23 - July 2016

## Equipment Rental Service



Torr Scientific's high-end optical testing equipment and processing systems can be booked for lab rental time and development projects within cleanroom conditions. Lab availability includes use of optical and surface profile inspection capability on a recently acquired Zygo interferometer, transmission and reflectance measurements on the company's Perkin Elmer UV/Vis/IR spectrophotometer and vacuum furnace bookings for annealing, hardening or specialist heat treatments. Please contact Torr Scientific if you would like to schedule use of these facilities.

For further details, please contact Torr Scientific [HERE](#).

### TSL Products:

[AR Coatings](#)

[UHV Viewports](#)

[X-ray Sources](#)

[CVD Diamond](#)

[Phosphor Screens](#)

[UHV Components](#)



FS 585099



## New! In-Line Monochromator (ILM) – Progress Report

Torr Scientific is pleased to provide an update on the development of its new In-Line Monochromator (ILM) with the prototypes of both the electron source and X-ray gun currently on test. The unique, patented design of the ILM will offer the following benefits:

- Compact and retrofittable on a CF38 port – ideal where space is at a premium!
- Improved film density on a CVD diamond anode
- High power and small X-ray spot
- In-Line Monochromator toroid now in development!



To register your interest in the new ILM, please contact Torr Scientific [HERE](#).

## X-ray Source Refurbishment Service

Torr Scientific is pleased to offer a refurbishment service for all X-ray Sources which is a cost-effective solution to replacement. All refurbishment work is carried out in clean-room conditions by experienced UHV technicians and services include:

- Anode recoating for both mono and dual anodes
- Densified films in Aluminium, Magnesium, Zirconium, Titanium, Yttria, Platinum
- Inspection reports, helium leak testing and water cooling flow testing
- Re-tipping service
- CVD diamond tip and coating for enhanced performance
- Filament and aluminium window replacements

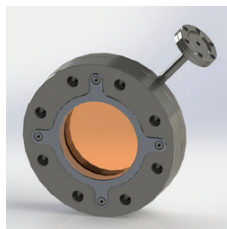


For further details, please contact Torr Scientific [HERE](#).

## New! Differentially-Pumped Viewport Range

Torr Scientific has recently launched a new range of differentially-pumped, o-ring sealed viewports, which are an ideal choice when optical flatness is of paramount importance. Options include:

- CF38 to large non-standard flange sizes in 304L or 316LN ESR
- CF, KF or VCR pumping ports
- A wide range of o-ring materials, bakeable up to 250°C
- A wide range of optics with options for anti-reflective coatings to customer-specific requirements
- Full range of accessories including diaphragm pumps, pumping lines, NBW kits and annealed gaskets



For further details, please contact Torr Scientific [HERE](#).

## New Glass Shop – Producing Viewports and Custom Glass to Metal Seals

Torr Scientific has invested in the expansion and development of our new 'glass shop' which enables us to retain complete control over all manufacturing and production processes.

- All Kodial viewports are now produced in-house with 316LN flange options
- Options available for anti-reflective coatings to customer-specific requirements
- Full leak testing facilities with cleaning to UHV standards
- Tubulations, feedthrough bases, anode encapsulations to OEM designs



Please send your glasswork enquiries [HERE](#).