



# NEWS

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TORR SCIENTIFIC LTD. - Specialists in UHV, Optical and X-Ray Components

## Clean Room in Operation!

The Torr Scientific 270 m<sup>2</sup> first floor extension is now complete increasing floor space at the Sussex manufacturing site to 690 m<sup>2</sup>. A new 110 m<sup>2</sup> cleanroom has been built on the ground floor to provide a laboratory manufacturing facility in which thin-film coatings and hermetic seals will be processed, and UHV and Optical instrumentation will be assembled, inspected and packed. 'We have listened to the demands on our customers' said Commercial Director, Mel Thomas 'and this significant investment will allow our engineers to deliver excellent quality and contamination free UHV products.' The cleanroom build took three weeks and production in the new facility is now up and running.



## Welcome to the Torr Scientific Team!



**Sharon Webster** was recruited this summer as TSL's quality inspector. Sharon has had previous experience handling precision laser optics.



**James Jones** has been appointed as the company's new Apprentice Production Technician. James is also studying in the engineering department at Sussex Coast College Hastings



**David Dickson** has been retained by TSL as a Design Engineer. David has had extensive experience within the UHV industry and will support TSL as a draughtsman and quality engineer.



**Eszter Szlavik** recently joined TSL as a part-time graphic designer. Eszter will prepare data sheets, catalogues and newsletters.



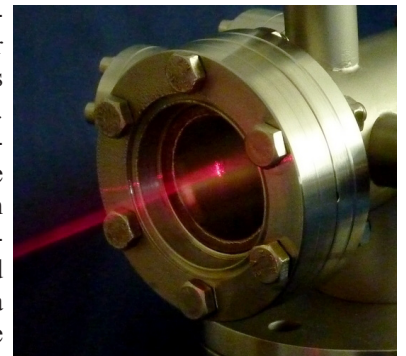
**James Gooch** joined TSL earlier in the year and is assisting the Stores and Despatch Coordinator.



**David Stuppel** is the newest member of the TSL team and has joined as a development engineer to manage the company's X-Ray source development project.

## Laser Viewports

Torr Scientific has developed UHV viewports from a basic viewing window into a high quality, high specification viewport suitable for laser experimentation. The company supplies over 1500 vacuum viewports per year, 40% of which are exported to Europe, USA, Japan and China. Research scientists using TSL viewports are analysing materials, exploring new ways of using light to control atoms and investigating the ultrafast motion of atoms and electrons. The viewports comprise a high purity fused silica optic with precise optical quality and high laser damage threshold. All viewports are helium leak tested, cleaned and packed for UHV conditions. TSL also processes anti-reflective coatings and a two layer V-Coating can be applied to both sides, optimising reflectance to below 0.5% per face at a customer specified laser wavelength.



### TSL Products:

- AR Coatings
- UHV Viewports
- X-ray sources
- CVD Diamond
- Phosphor Screens
- Filaments
- UHV Components