



# TSL NEWS

## X-Ray Anode Recoating Service



Torr Scientific offers an X-ray Anode recoating and refurbishment service. Please send enquiries or your old anode for assessment and quotation. Both mono and twin anodes can be processed with a variety of coating materials and tip configurations.

## PIER TO PIER WALK



Employees and business friends of TSL are taking part in a 16 mile charity walk, from Eastbourne Pier to Hastings Pier, on Sunday 26th September in aid of Rockinghorse, the charity which makes life better for sick children in Sussex and Surrey. Please visit [www.bmycharity.com/piertopier](http://www.bmycharity.com/piertopier).

## TSL Products:

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

## KTP Funding Supports X-ray Photoelectron Spectroscopy Project

The Technology Strategy Board (TSB - [www.innovateuk.org](http://www.innovateuk.org)) has agreed to support a 2 year Knowledge Transfer Partnership (KTP) between The University of Surrey, and Torr Scientific Ltd, a company specialising in the manufacturing of x-ray and vacuum components used in XPS systems. The funding will be used to employ a KTP Associate to develop and optimise the use of a novel x-ray monochromator based on Torr Scientific's leading edge diamond anode technology.

The KTP, which aims to help businesses improve their competitiveness and productivity through better use of the knowledge, technology and skills that reside within the UK Knowledge Base, is funded by the TSB along with other government research and development agencies. The total value of the project is £136k.

David Bates, Managing Director at Torr Scientific Ltd, commented: "We are delighted to work with the University of Surrey on this project. The expertise and facilities offered by the University will be invaluable in the company's development and future growth plans."

Dr Mark Baker, Senior Lecturer in Interface Engineering within the Faculty of Engineering and Physical Sciences, University of Surrey commented: "We are very pleased to receive this new KTP award and commence work with Torr Scientific. The partnership provides a great opportunity to further develop the technological base and commercial activities of a very important high technology sector in the South East."



## New Vacuum Furnace

TSL took delivery of a new vacuum furnace in August. The furnace, supplied by Specnow Ltd., has a hot zone four times larger than existing furnaces at TSL. The system incorporates Specnow's latest Microlink control system with data management and logging. The extra capacity will meet growing demand for TSL fused silica and sapphire UHV viewports and allow further development of ceramic to metal seals.

## Diamond Viewport

Torr Scientific recently manufactured an optical quality CVD diamond UHV viewport. The brazed seal is fully UHV compatible and in a standard CF flange is bakeable to 450 degrees C. The 20mm view diameter window has good transmission properties from the visible to beyond 100 microns! Custom designed viewports and CVD diamond substrates can be quoted on request.

