

Vacuum Expo News



RICOH ARENA · COVENTRY · TUESDAY 18 & WEDNESDAY 19 OCTOBER 2011



The UK's Premier
Vacuum Technologies
Event for Science &
Industry

Vacuum Expo showcases many of this industry's leading companies

You can benefit from their extensive knowledge at this exhibition and in the technical programme.

What will you find when you come to Coventry?

- An exhibition of leading international vacuum technology suppliers
- Displays & demonstrations of the latest innovations
- A programme of meetings including a programme from the 2nd Vacuum Symposium

This preview provides you with an insight into what is on show and events going on, and you can see more on the website at

www.vacuum-expo.com

Quality controllers and accessories to support your Ion pumps



Agilent will be showing their range of industry leading controllers and accessories including the latest multi-pump controller which has the ability to efficiently manage up to 4 VacIon pumps. Other reliable controllers offered include the MiniVac, MicroVac and TSP Controllers. The TSP Cryopanel accessory is offered for use with the Titanium Sublimation Pump filament cartridge source.

Agilent Technologies, Vacuum Products Division, Stand V25

Source evaporator from Chell Instruments



The Chell Miniature Knudsen Cell is a source evaporator for relatively low partial pressure materials. A typical current application is the creation of ultra thin heteromolecular organic-metal interfaces using SnPc (tin phthalocyanine).

Three miniature k-cells are frequently mounted on one 10inch CF flange to facilitate co- or sequential deposition - several international Synchrotron experiments have used multiple Chell K-Cells in the past few months.
Chell Instruments, Stand V32

CO-LOCATED WITH



The UK's largest dedicated event for optics, photonics and vision technologies

Opening Times:
TUESDAY 10AM – 5PM
WEDNESDAY 10AM – 4PM

STAKEHOLDERS



CO-LOCATED WITH

2nd Vacuum Symposium UK

Ricoh Arena, Coventry, 18th - 19th October 2011

The annual national meeting incorporating both technical and commercial elements that the UK vacuum community has been requesting.

Included are FREE training seminars for new vacuum users and technical talks for the more experienced vacuum user.

www.vacuum-uk.org



MEDIA & NETWORK PARTNERS



Thin film deposition systems for research and industry



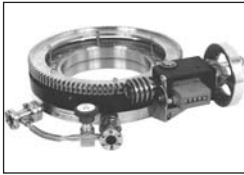
HHV Ltd presents a range of thin film deposition systems for research and industry ranging from the ever-popular Auto306 evaporator to the TF-series box coaters. Systems are available with process capabilities ranging from a single resistance source to high end systems including multiple sources, load locks and ion beam techniques plus computer control.
HHV Ltd, Stand V30

New vacuum pumping stations give high pumping speeds up to 400L/s



Edwards will be showing a new range of turbo pumping stations which provides users in laboratories and research centres with an easy-to-use 'plug and play' vacuum system with high pumping speeds of up to 400L/s.
Edwards, Stand V23

Differentially pumped rotary feedthrough



RNN™ series differentially pumped rotary seals providing 360° of continuous rotary freedom through the wall of any vacuum system will be on show. This unit can be successfully used with manipulators and other precision positioning devices.
SAS Scientific, Stand V06

Power Supplies for all types of plasma & coating applications



RF Industries will have on show ENTechnologies range of DC, pulsed DC & bi-polar pulsed DC power supplies for all types of plasma & coating applications. The products include 3kW to 160kW DC, 5kW-40kW pulsed DC and 5kW-30kW bi-polar pulsed DC. Applications include biasing & cleaning, DC magnetron sputtering, dual magnetron sputtering, ion beam sources and atmospheric plasma.
RF Industries, Stand V19

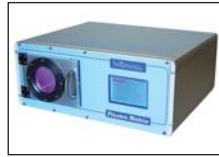
Sample handlings made easier



The Elevating PowerProbe variant greatly simplifies sample transfer techniques, transforming conventional approaches to sample transfer, providing a single device to provide both linear motion for sample

introduction and the lift/lower motion to collect or hand-off the sample.
UHV Design, Stand V09

Plasma surface treatment - the PlasmaMatrix



Vacuum plasmas are a wonderfully complex soup of many reactive particles such as free radicals, metastables, ions, electrons and photons (UV and visible). This high energy soup accelerates existing chemical reactions and promotes new ones. The use of vacuum is also an advantage because many reaction products that would otherwise contaminate the surface (particularly when treating organic materials), are volatile and are pumped away leaving a clean treated surface. Please bring along any samples you wish to try.
BDISCOM srl, Stand V15

High capacity rotary vane pumps and roots pumping systems



MS-Series rotary vane pumps & RPS-Series roots pumping systems are robust, easy to install, ideal for different applications, compact size, MS-Series pumps can easily replace other pumps of equivalent pumping speed
Agilent Technologies, Vacuum Products Division, Stand V25

Vacuum pump oil filtration system permits instant filter changes

A self-contained vacuum pump oil filtration system for highly corrosive applications, that permits instant filter changes to minimize downtime, will be on show.
SISTEM Technology, Stand V03

Sputter machine for top grade products with economic manufacturing costs



The HELIOS sputtering tool is a flexible platform for fast, precise and fully automated thin film coatings.
Leybold Optics, Stand D21

Turbomolecular pumps improve reliability in the laboratory



Turbomolecular vacuum pumps for cryogenic preparation chambers used in scanning electron microscopy (SEM) applications will be on show.
Edwards, Stand V23



Vacuum Training

Specialist Trainer, Dr Austin Chambers, will deliver two training seminars on each day as follows:

11.00 - 12.30 Basic Principles
14.00 - 15.30 Vacuum in Practice

Within the 2nd Vacuum Symposium

Please register on the website – all welcome & free

Conference & Industry Programmes

An extensive Technical Programme of in-depth presentations, talks and tutorials from leading scientists & industrialists.



THE CONFERENCE

organised by enlighten meetings

Conference Programme

WEDNESDAY

Nanostructured Metal Oxide Thin Films

Registration for this high level meeting is necessary – **BOOK NOW!**

Industry Programme

TUESDAY

Meeting within 2nd Vacuum Symposium - RGA10

WEDNESDAY

Meeting within 2nd Vacuum Symposium - Advances in Vacuum Pump Technology

All welcome at this FREE Industry Programme!

ORGANISER

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