IndustryNews

Product News from Ladd Research

Ladd Research announces the release of its brand new Parlodion/Nitrocellulose Strips and Nitrocellulose Solutions. Parlodion Strips were discontinued by the original manufacturer, so Ladd decided to produce them. Ladd Research also announces the release of custom-made apertures (burr-free). They are widely used in EMs, FIBs, satellite thrusters, and synchrotons in PT, MO, SS, etc. All holes are individually micro-machined so we can produce any combination between sub-micron and 2000 micron.

Ladd Research Industries
www.laddresearch.com

Trinity College Dublin Uses Nanoparticle Tracking Analysis to Develop Solutions for Diagnosis, Drug Delivery, and Treatment of Cancer

The School of Medicine (Institute of Molecular Medicine) and the Centre for Research on Adaptive Nanostructures and Nanodevices (CRANN) are based at Trinity College Dublin (TCD) where researchers work in developing new knowledge of nanoscale materials, with a particular focus on new device and sensor technologies, biotechnology, and medical technology sectors, with a growing interest in multifunctional materials.

NanoSight Limited
www.nanosight.com

Anasys Report on the Lorentz Contact Resonance Imaging Mode is Now Available for Their afm+ and nanoIR Systems

The Lorentz Contact Resonance (LCR) imaging mode enhances the capabilities of the afm+ and nanoIR systems from Anasys. LCR allows rapid broadband nanomechanical measurements over a range of temperatures. LCR imaging differentiates between multiple components of a sample and allows precise location of the probe for subsequent chemical or thermal analysis with nanoscale resolution. LCR provides both nanomechanical spectroscopy and compositional mapping at high resolution.

Anasys Instruments Corporation
www.anasysinstruments.com

APPLIED IMAGE Announces Their New Ball Lens Technology

APPLIED IMAGE announces its newest manufacturing technology, Precision Glass Ball lenses. Ball lenses are ideally suited in applications such as fiber optical couplers; laser focus lens devices; collectors in LED lighting, microscopy, and endoscopy; or sensors, to name a few. Ball lenses can focus or collimate light and are mechanically simple to incorporate into complex optical systems such as endoscopes and barcode scanners or can be used as a condenser lens.

APPLIED IMAGE
www.appliedImage.com

Extended Mass Spec Imaging Services Now Available

Protea Biosciences announced the release of an extended mass spectrometry imaging service offering from the Mass Spec Imaging Center (MSIC). This new service portfolio offers advanced MSI services using Protea's proprietary LAESI DP-1000 Direct Ionization System as well as matrix-assisted laser desorption/ionization (MALDI) mass spectrometry for a wide variety of sample types and applications. The MSIC also serves as a demonstration and training facility to help researchers learn more about mass spectrometry.

Protea Biosciences Group, Inc.
www.proteabio.com

Congratulations to the Winners of the WITec PaperAward 2013

The PaperAward jury decided to recognize three winning papers. The 2013 gold goes to Dr. Léo Greusard et al. from Institut Langevin ESPCI ParisTech. The silver WITec PaperAward winners are researchers from the Institute of Photonic Technology in Jena, Germany, Dr. Christian Matthäus et al. The bronze WITec PaperAward goes to Prof. Dr. José F. Fernández from the Electroceramic Department, Instituto de Cerámica y Vidrio in Madrid, Spain.

WITec GmbH
www.witec.de

UK National Graphene Institute Selects Bruker's Dimension FastScan AFM

Bruker has established a collaborative partnership with the University of Manchester's new National Graphene Institute (NGI) to leverage the benchmark speed, resolution, and performance of the Dimension FastScan® atomic force microscope (AFM) for research into the nanofabrication and nanoscale properties of graphene. Bruker's unique PeakForce TUNATM and PeakForce KPFMTM nanoelectrical AFM modes are anticipated to provide important new insights into nanoscale variations of graphene conductivity and work function.

Bruker Corporation
www.bruker.com

Carl Zeiss Microscopy Donates Research Microscopes to Children's Hospital Los Angeles

Carl Zeiss Microscopy, LLC, announces that it donated high-end research microscope instruments as part of an innovative training program at Children's Hospital Los Angeles. The program brings minority Los Angeles-area high school students into working laboratories and entices them with the excitement of scientific discovery. Carl Zeiss donated a Stemi 2000C stereo microscope with an AxioCam ERc 5s camera, which can also work as a stand-alone imaging station.

Carl Zeiss Microscopy, LLC
www.zeiss.com/micro

Gatan Scripting School 2013

Prior to M&M 2013, Gatan will again run a school on the basics of scripting within Gatan DigitalMicrograph® (DM) software. The school is intended for everyone who would like to learn about the capabilities and use of DM Scripting and is suitable for beginners, occasional users, or anyone wanting a refresher. As it will be a mixture of talks and practical examples using DM Scripting, participants should bring their own laptop computer running Gatan Microscopy Suite® (GMS) version 2.

Gatan, Inc.
www.gatan.com/products/software/DMScriptingSchoolMM13RegForm.php

Physik Instrumente USA Hires William Culpi as Engineering Chief – PI miCos USA Products

Physik Instrumente USA extends its support for the PI miCos precision positioning product lines with William Culpi as Engineering Chief PI miCos USA Products. William will be working on custom designs and on the integration of complex precision positioning systems for OEMs and research customers, among other responsibilities. Before joining Physik Instrumente he was VP of Engineering at MICOS USA where he developed a line of piezo positioning systems.

Physik Instrumente USA
www.pi-usa.us

Molecular Devices Introduces FLIPR Calcium 6 Assay Kits

The launch of FLIPR® Calcium 6 Assay Kits is the latest addition to Molecular Devices's extensive range of calcium assay kits to address diversified GPCR and ion channel targets. Featuring a proprietary fluorophore, the dye offers the highest quantum yield of any calcium indicator on the market, delivering the greatest signal window available in a calcium assay kit. This substantial increase in signal enables researchers to monitor low responders, including biorelevant reactions from endogenous, primary, or stem cell targets.

Molecular Devices, LLC
www.moleculardevices.com/FLIPR_Calcium6

NanoSight Wins a 2013 Queen's Award for Enterprise Innovation

Following on from their 2012 Queen's Award, NanoSight is pleased to announce further recognition for their market-leading nanoparticle characterization technology. NanoSight was founded in 2004 by Dr. Bob Carr and John Knowles after Carr discovered a technology that allows particles, so small they were below the resolution limit of normal optical microscopes, to be visualized, sized, and counted in less than a minute for a fraction of the cost of an electron microscope.

NanoSight Limited
www.nanosight.com

ZEISS Lightsheet Z.1 Awarded with Best New Life Science Product of 2012

At the American Association for Cancer Research Annual Meeting 2013, SelectScience announced that ZEISS Lightsheet Z.1 has been awarded the Best New Life Science Product of 2012 by members of SelectScience, an independent online publisher providing access to product news, reviews, techniques, and expert opinion about the best laboratory equipment and latest techniques. The winning product is recognized as having significantly contributed to laboratory efforts in 2012.

Carl Zeiss Microscopy, LLC
www.zeiss.com/micro

Leica Microsystems and Leica Biosystems Strengthen Market Position in Brazil

Leica Microsystems and Leica Biosystems have cemented ties with their Brazilian Leica distributor; all shares of Aotec Instrumentos Cientificos Ltda of São Paulo, Brazil, have been acquired. Aotec is a provider of microscopy and histopathology solutions and has been a Leica distributor for more than 25 years. All Aotec associates will remain with Aotec, and new staff will be hired. Leica Microsystems and Leica Biosystems thereby strengthen their market position.

Leica Microsystems GmbH
www.leica-microsystems.com and www.leicabiosystems.com

FEI Achieves Milestone for Automated Mineralogy Products

FEI announced that it has reached a milestone of more than 200 automated mineralogy systems installed worldwide. FEI's Mineral Liberation Analysis (MLA) and QEMSCAN® automated mineralogy systems are used by scientists and engineers in the mining, oil, and gas industries to understand the detailed mineralogy of the materials they extract during mining and drilling operations. This information helps them more accurately evaluate the economic potential of their operations and optimize their exploration and production processes.

FEI Company
www.fei-natural-resources.com

Bruker Expands PeakForce Tapping Accessibility

Bruker's Nano Surfaces division announced the expansion of its proprietary PeakForce Tapping™ technology to the Dimension Edge™ AFM platform. PeakForce Tapping is the technology behind Bruker's suite of proprietary imaging modes, including ScanAsyst®, which guarantees highest imaging resolution in air and fluid without the need for optimizing operating parameters. In applications ranging from standard roughness measurements to advanced electrochemical investigations, its inclusion on the Dimension Edge platform makes highest resolution imaging accessible to a wider user base.

Bruker Nano Surfaces Division
www.bruker.com/products