

Three-Way Meeting Exhibitors List

The Three-Way Meeting gratefully acknowledges the sponsorship of MEWASA North America.



Manufacturer of Bellows & Bellows Assemblies

Andor Technology

425 Sullivan Ave.

Suite #3

South Windsor, CT 06074 USA

tel: 860.290.9211

URL: www.andor.com

Andor Technology is a global leader in the pioneering and manufacturing high-performance scientific imaging cameras, spectroscopy solutions and microscopy systems for research and OEM markets. Andor has been innovating the photonics industry for over 20 years and aims to continue to set the standard for high-performance light measuring solutions that allow consumers to perform light measurements previously considered impossible. Through continuous dialogue with customers and strong teamwork, Andor continues to innovate ground-breaking products that improve the world in which we live.

Bruker ASC

Waltherstrasse 49-51

Cologne, 51069 Germany

tel: 49.221.2925.1000

URL: www.bruker.com/synchrot

e-mail: synchrotron@bruker.com

Within the Bruker Corporation, Bruker ASC is specializing in synchrotron instrumentation and soft x-ray laboratory sources and systems. We are a leading supplier for insertion devices, complete beamlines, beamline components such as monochromators, mirror systems, slit systems, beam monitors and experimental stations, e.g. for microscopy or crystallography. We support your project during all stages from the conceptual design and detailed engineering to manufacturing, assembly, installation and commissioning at the synchrotron. For more information please visit: www.bruker.com/synchrot.

DECTRIS Ltd.

Neuenhoferstrasse 107

Baden, 5400 Switzerland

tel: 41.56.500.21.00

fax: 41.56.500.21.01

URL: www.dectris.com

e-mail: info@dectris.com, sales@dectris.com

DECTRIS hybrid-pixel and micro-strip x-ray detector systems have transformed data collection at synchrotrons. Main advantages are unsurpassed dynamic range, noise-free counting and high frame rates, providing best possible data at shortest acquisition times. Our laboratory series brings all the advantages of hybrid-pixel technology to your laboratory. DECTRIS customized detector solutions enable novel experiments.

Hitachi Metals, Ltd. & NEOMAX Engineering

Seavans North 2-1 Shibaura 1-Chome

Minato-Ku, Tokyo, Japan 105-8614

tel: 81.3.5765.4250

URL: www.hitachi-metals.co.jp/e/index.html

Hitachi Metals and its subsidiary company NEOMAX Engineering, has been manufacturing undulators and wigglers for over 20 years. One recent achievement was a set of in-vacuum undulators (IVUs) for SACLA X-FEL. It emitted the world's first sub-angstrom wavelength free-electron laser in 2011. Our IVUs and other insertion devices are widely used not only in Japan but throughout the world for years. We support your project from conceptual design, based on our long experience with magnetic materials and magnetic circuit design, to assembly and total engineering. Other special magnet circuit products are also available from us. Please visit our website for more information.

Instrument Design Technology Ltd. (IDT Ltd.)

Unit 2, Turnstone Business Park

Mulberry Avenue

Widnes, WA8 0WN UK

tel.: 44.151.601.4111

fax: 44.151.601.4112

URL: www.idtnet.co.uk

IDT provides the world's synchrotron community with a design-and-build resource in state-of-the-art mechanical high-precision instrumentation. IDT is fully compliant with the latest Quality Management System ISO-9001. IDT has core competencies in design and build of complex state-of-the-art, multi-degree-of-freedom motion instruments, often working in an ultra-high vacuum (UHV) environment.

Complex optical engineering of x-ray and other beamlines are provided very often with novel concepts being incorporated. We have a growing reputation for novel monochromators with exceptional proven performance in the field.

Kurt J. Lesker Company

1925 Route 51

Jefferson Hills, PA 15025 USA

tel: 800.245.1656, 412.387.9200

fax: 412.384.2745

URL: www.lesker.com

e-mail: salesus@lesker.com, international@lesker.com

Manufacturer/distributor of: standard and custom high vacuum and UHV chambers and subassemblies; standard and custom vacuum hardware; feedthroughs; valves, vacuum pumps of all types. Manufacturer of thin film deposition systems for sputtering, electron beam, thermal evaporation, and Atomic Layer Deposition. Exclusive North American representative for UHV Design Ltd. motion devices.

MEWASA North America

12841 N. Bloomington Loop

Oro Valley, AZ 85755 USA

tel.: 520.797.6980

fax: 520.797.9424

URL: www.mewasa.com

We are privileged to be a key supplier to the Argonne National Laboratory and look forward to promoting our superior services and technical competences to all of the engineers and scientists attending the Three-Way Meeting.

For the past 17 years, MEWASA (ISO 9001:2008) has been recognized globally as a highest quality supplier of precision metal welded bellows and bellow assemblies for various HV/UHV beamlines and end-station processes at laboratories such as LBNL, NSCL, CERN, SLAC, DESY, PSI, ALBA, and NASA as well as many university R&D physics and scientific programs.

We are dedicated to process manufacturing excellence. MEWASA's niche is focused toward the rapid delivery from prototype to production quantities for our customers' needs. Our scope of business includes in-house design engineering (at no extra charge) to support our customers' design activities and our pro-active involvement in qualifying and validating their bellows specifications including axial and lateral stress testing for both static and dynamic environments.

MEWASA provides a written guarantee/warranty on all our manufactured bellows, and all bellows are leak tested and certified to 1×10^{-9} cc (STP)/second (helium).

We will display many diverse samples of bellows for your inspection. We look forward to personally meeting to discuss your upcoming applications and needs. Please contact: Ira Miller, V.P./Gen. Mgr., direct tel.: 520.797.6980, i.miller@mewasa.com.

MICRONIX USA, LLC

15375 Barranca Pkwy

Irvine, CA 92618 USA

tel.: 949.480.0538

URL: www.micronixusa.com

MICRONIX USA supplies micro- and nano-positioning equipment with a focus on the research market. We offer a full range of precision positioners, hexapods, and control electronics as well as complete system integration services. Additionally, MICRONIX USA is known as the premier supplier for vacuum to 10^{-10} torr, clean room and extreme temperature applications.

Princeton Instruments

3660 Quakerbridge Road

Trenton, NJ 08619 USA

tel.: 609.587.9797

URL: www.princetoninstruments.com

Princeton Instruments designs and manufactures high-performance CCD, ICCD, and EMCCD cameras; spectrographs; and optics-based solutions for the research, industrial, and OEM communities. We take pride in partnering with our customers to solve their most challenging requirements.

X-ray imaging and spectroscopy systems, high-sensitivity, high-resolution and high-speed x-ray systems include the Quad-RO: 4320, the PIXIS-XF:2048, and the Nano-XF:11000. These systems can be very easily optimized with custom phosphors for x-rays between < 5 KeV and > 50 KeV for x-ray diffraction, micro-computer tomography, streak tube readout, and other applications.

Princeton Instruments also offers direct detection systems, the PIXIS-XO and the PI-MTE, for detection of x-rays between ~ 30 eV and 20 KeV, used for applications including coherent x-ray imaging, x-ray holography, and soft x-ray diffraction. Ask about our new IsoPlane aberration-free spectrograph and find out how to learn more from your photons with higher signal-to-noise ratio than any Czerny-Turner model. Also of note, the new PI-MAX4 camera, the highest sensitivity emICCD camera with a 500 picosecond gating.

Quantum Detectors

Atlas Building
Fermi Avenue
Harwell Oxford
Oxfordshire OX11 0QX UK
tel: 44.1235.44.5795
URL: <http://quantumdetectors.com>
e-mail: info@quantumdetectors.com

Quantum Detectors is a spinout company from the Diamond Light Source. We provide a range of products, such as Xspress 3, a 3.4 Mcps readout systems for SDDs and HPGe, 1–100 MHz V2Fs, fast strip detectors, and more. Drop by our booth in the Gallery to grab some merchandise and learn more.

Rayonix, L.L.C.

1880 Oak Avenue
Suite 120
Evanston, IL 60201 USA
tel.: 847.869.1548
fax: 847.869.1587
URL: www.rayonix.com

Rayonix, LLC is the leading developer of innovative x-ray detector technologies. The Rayonix frame-transfer CCD, facilitates data collection at up to 140 frames/second. These HS (high-speed) x-ray detectors have no count rate limitation. New detector designs, including the MX170-HS with a center hole, allow the direct beam to pass through, for simultaneous SAXS/WAXS data collection. Only Rayonix has the technology to bond back-thinned/back-illuminated CCD chips to fiber-optic tapers for the higher electro-optical gain, large-format mosaic HE x-ray detectors. The Rayonix SX165 is widely accepted as the highest quality single-CCD x-ray detector available. Talk to us for custom versions of our detectors for specific needs.

Spectral Instruments Inc.

20 N. Bonita Ave.
Tucson, AZ 85745 USA
tel.: 520.884.8821
fax: 520.884.8803
URL: www.specinst.com

Spectral Instruments designs and manufactures high-performance cooled CCD cameras for use in laboratory and industrial research. Deeply cooled detectors including full-wafer monolithic sensors and mosaics directly coupled or bonded to fiber optic bundles provide state-of-the art camera systems.

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Steinmeyer Inc.

56 Middlesex Turnpike

Suite 200

Burlington, MA 01803 USA

tel.: 781.273.6220

fax: 781.273.6602

URL: www.steinmeyer.com

Steinmeyer has been manufacturing a complete line of linear, rotary, and goniometer stages with drives and controls for over 100 years! Our expertise includes designing stages for ultra-high vacuum environments as well as non-magnetic applications. Drive options include piezo linear motors suitable for nanopositioning.

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URL: www.us.tdk-lambda.com/hp

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Termotek

1050 Business Center Drive

Mount Prospect, IL 60056 USA

tel: 847.227.9023

fax: 847.227.9400

e-mail: cyndi.hart@technotrans.com, angelo.prisco@technotrans.com

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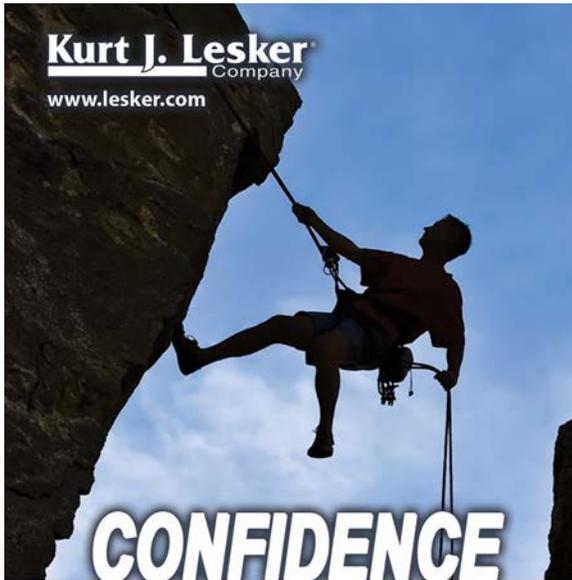
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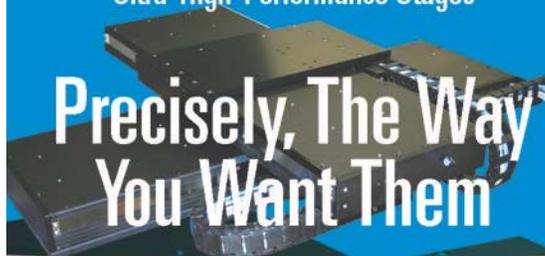
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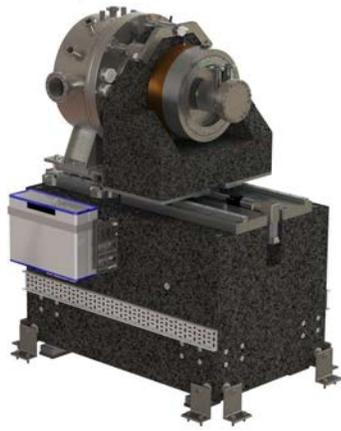
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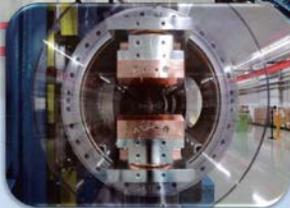
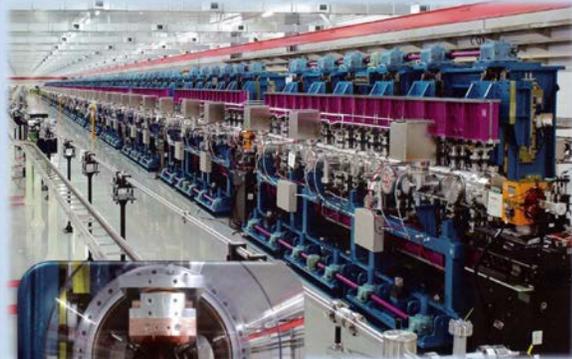


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Future Light Source

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In-Vacuum Undulator for SACLA

Magnet Material: NEOMAX-38EH
Period Length: 18 mm
Number of Periods: 275 × 18 units
Gap Range: 2 – 40 mm



NEOMAX

In October 2010, NEOMAX Engineering Co., Ltd. (NXE) had installed as many as 18 units of In-Vacuum Undulators for new SPring-8 XFEL facility "SACLA". Hitachi Metals, which is the parent company of NXE, supplied the World-Strongest NdFeB Magnet called "NEOMAX" to NXE. NXE has been contributing for the future light "XFEL" as the expert of the NdFeB magnet assemblies.

Hitachi Metals, Ltd.

<http://www.hitachi-metals.co.jp/e/index.html>

NEOMAX Engineering Co., Ltd.

<http://www.nxe.co.jp/>

1-2-1 Sibaura, Minato-ku, Tokyo, 105-8614, Japan

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