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<p>Aerotech 101 Zeta Dr. Pittsburgh, PA 15238 Tel: 412-963-7470 https://www.aerotech.com/</p> 	<p>About Aerotech, Aerotech Inc. is the global industry leader in precision motion control and automation. From standard positioning technologies, control systems and light manipulation to custom-designed automation systems, our products support research, and industrial organizations worldwide. Aerotech solutions enable manufacturing, testing and inspection processes on a micrometer and nanometer scale for the world's best-known technology companies in industries such as semiconductors, consumer electronics and medical devices.</p>
<p>Agilent Technologies 2850 Centerville Wilmington, DE 19808 Tel: 800-227-9770 https://www.agilent.com/</p> 	<p>Agilent vacuum pumps, pumping systems, measurement instruments, components, and helium leak detectors allow you to create, measure, and maintain vacuum for your applications, processes, or research. Learn about Agilent's clean, dry, quiet IDP scroll pumps, high performance, high compression TwisTorr turbo pumps, optimized, UHV/XHV ready ion pumps and controllers, and rugged, reliable helium leak detectors. Agilent leverages its Varian Vacuum roots to fulfill your vacuum needs with product value and experienced, knowledgeable support. Agilent pumps, systems, and components enable advanced research in physics, analytical instrumentation, and nanotechnology, they are also a perfect fit for industrial processes.</p>
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<p>Angstrom Scientific Inc 120 N. Central Ave., Ste. 3 Ramsey, NJ 07446 Tel: 201-962-7222 https://www.angstrom.us/</p> 	<p>Angstrom Scientific Inc. represents several leading manufacturers supporting materials characterization and analysis solutions. These include Hitachi Tabletop SEMs, Imina Nano-probing systems, Point Electronics EBIC/EBAC, Leica Sample preparation equipment, NenoVision In-Situ AFM, Alemnis In-Situ Nano-Indenters, EMSIS TEM Cameras, and Laser Thermal - Thermal Property Management tools.</p>

<p>Applied Diamond, Inc. 3825 Lancaster Pike Wilmington, DE 19805 Tel: 302-999-1132 www.usapplieddiamond.com</p> 	<p>Applied Diamond supplies and manufactures synthetic and natural diamonds and offers post-processing services including polishing, laser cutting, etching, metallization, and brazing. The company is based in Wilmington, Delaware, and has been involved with CVD since 1992. Applied Diamond's diverse product line includes products for high energy beam lines, heat sinking of electronic devices, CO2 laser and microwave windows, particle detection and beam position monitoring. The company strives to develop custom solutions for existing and new diamond applications.</p>
<p>Attocube Systems, Inc. 2115 4th St., Ste B Berkeley, CA 94710 Tel: 510-649-9245 https://www.attocube.com/en</p> 	<p>In 2001, attocube systems AG was founded in Munich, Germany and is recognized internationally for innovation and excellence in the development, the production, and the distribution of cutting-edge solutions for the most challenging nanotechnology applications in research and industry. Since our early days, the portfolio includes ultra precise nano drives, compatible with extreme environmental conditions such as UHV, magnetic field, radiation exposure, as well as cryogenic to elevated operating temperatures. They can be used for highly accurate positioning tasks and can be combined with the ultra-precise displacement sensor IDS. Our business sector 'Nanoscale Analytics' (also known as neaspec) develops and produces innovative solutions for nanoscale imaging and spectroscopy. The neaSCOPE system is an ultra-stable, easy-to-use instrument for tip-enhanced optical measurements with remarkable scientific impact. We also offer a broad selection of customizable liquid and dry cryostats that work at the very edge of technical and physical feasibility and are predestined to be combined with our microscopes, nanopositioners, cryogenic objectives, and interferometric sensors. Our customized engineering solutions are developed for cutting-edge applications, always optimized for the specific customer requirements.</p>
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<p>Control Plus Inc. 783 N York St. Elmhurst, IL 60126 Tel: 630-279-9025 www.controlplusinc.com</p>	<p>Control Plus is the manufacturer's representative for Brooks Instrument and process instrumentation. Brooks Instrument is the leading global mass flow control and flow meter manufacturer, Brooks Instrument offers the world's most comprehensive line of precision flow control and flow measurement devices.</p>



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We at the Hitachi High-Tech Group have, as of April 2022, started our new 2024 Medium-Term Management Plan. Whatever happens in the world around us, our core technologies in observation, measurement, and analysis (measurement and analysis technologies), which are our strength, possess the potential to solve many different types of social issues.

HITACHI

Inspire the Next

By maximizing our utilization of digital technology and bringing ourselves face-to-face with the needs and issues faced by our society and our customers, we will create new value by strengthening existing businesses and creating new businesses and make significant contributions to solving social issues through our capabilities in observation, measurement, and analysis technologies. We also seek to evolve our business structure into one that will allow us to further leverage our strengths, seek our own evolution without fear of change and become a company where every employee has a real sense that they are personally contributing to society through our business.

The Hitachi High-Tech Group's basic philosophy is to become "a successful enterprise trusted by all our stakeholders and contribute to social progress through business activities that emphasize value creation through high-tech solutions." Every employee keeps this philosophy in mind at all times.

Furthermore, we at the Hitachi High-Tech Group strive to remain a company deemed essential by our society by tying together all businesses to sustainability, and creating societal issue-driven value, thereby contributing to the realization of a sustainable society.

Huber Diffraction USA

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HUBER DIFFRACTION (Huber Diffraction, GmbH & Co. KG) is a manufacturer of precise positioning and diffraction equipment for laboratory, synchrotron, and neutron applications. The all-in-house manufacturing covers rotary stages (goniometers), segment stages and linear stages of different size and load capacity. The Huber standard stages can be widely customized and combined to multi axis positioning systems or complete diffractometers.

InSync, Inc.

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InSync, Inc. has been supplying "state of the art" synchrotron optics since 1993. It is a continuing goal of InSync, Inc. to satisfy changing light source needs by working with the synchrotron community and adjusting capabilities. InSync, Inc. is a custom, high-tech, optical manufacturing company, specializing in unique super polished optics up to 1500mm in size. Capabilities: Computer Design, Finite Element Analysis, Slicing, Grinding, Feature Machining, Etching, Bonding, Lapping, Polishing, Coating, and Metrology Polished Shapes: Cylindrical, Spherical, and FlatSubstrate Designs: Internally Cooled, Externally Cooled, Uncooled, Rectangular, Round, and Bendable for other polished shapes Substrate Materials: Silicon, Glass, Metals 2511C Broadbent Pkwy, Albuquerque, NM 87107505/345-2660505/345-2589 (Fax)inq@InSyncOptics.comwww.InSyncOptics.com

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KA imaging produces affordable, easy to use benchtop 3D phase contrast X-ray microscopes, high-resolution X-ray area detectors and flat panel detectors for medical, scientific, and industrial non-destructive test (NDT) imaging applications.

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KETEK, the leading manufacturer of Silicon Drift Detectors, presents its new Array 3.0, which supports up to seven VITUS SDD modules and combines very large area, excellent energy resolution and high-count rate capability by a single compact system with no need for additional equipment such as vacuum pumps or chillers. The Array 3.0 can be freely configured with three to seven vacuum encapsulated SDD modules, with collimated areas between 7 mm² and 50 mm² each, resulting in a total collimated area of up to 350 mm². The system can be operated at input count rates up to 1 Mcps per channel (7 Mcps in total) at peaking times down to 100 ns. Typical energy resolution of each channel is <127 eV @ 1 μs peaking time for

	<p>Mn Kα-line. All SDD modules feature KETEK's high-end charge sensitive amplifier (CSA) as well as KETEK's proprietary CH- or CL-Graphene windows with excellent x-ray transmission from 0.1 keV (CL-type) upwards. We will further present KETEK's latest electronics generation 3.0, including the brand new DPP3.0 digital pulse processor, offering 25 ns as shortest peaking time for super-high input count rates up to 4 Mcps and throughput at < 60% dead time. On the other side an excellent energy resolution down to 123 eV (Mn Kα-line) can be achieved at 1 μs peaking time.</p>
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<p>KOHZU Precision, LLC 6727 Happy Hill Rd. Evergreen, CO 80439 Tel: 303-944-1082 www.dfcrews.com</p>   <p>DANIEL F CREWS, LLC</p>	<p>KOHZU Precision Co. manufactures industry-leading scientific & experimental equipment for synchrotrons and laboratories including monochromators, diffractometers, measurement equipment along with high-precision, linear stages (X), rotary axes (R), vertical lift stages (zed axis, Z), stacked XY, swivel or goniometer stages (tip/tilt) for atmospheric or vacuum environments. Stages are available with manual micrometers or stepper motors (motorized). KOHZU also manufactures 6-axis alignment stations perfect for metrology & synchrotron beamline systems. LAB Motion Systems (15+ years of experience) manufactures world-class air bearing products including rotary air bearings, linear air bearings and fully integrated, multi-axis granite-based air bearing systems. LAB's rotary air bearings offer nano-precision in compact, high-performance systems. The RT150U rotary stage has unmatched performance.</p>
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<p>Leybold USA 6005 Enterprise Dr. Export, PA 15632 Tel: 724-387-4603 https://www.leybold.com/en</p> 	<p>Leybold USA is a crucial partner for national laboratories, providing advanced vacuum solutions for light beam technology and photonics research. Leybold's TURBOVAC iR and iX series pumps offer precise vacuum conditions for spectroscopy and photon counting. TURBOLABs and TURBOLAB Cores provide turnkey and customizable vacuum solutions, enabling national labs to conduct experiments with reliability and efficiency, pushing the boundaries of scientific discovery.</p>
<p>MB Scientific AB Fälhagsleden 61 Uppsala, Uppsala 753 23 Sweden Tel: 461-829-0969 https://www.mbscientific.se/</p> 	<p>MB Scientific AB challenging every day to develop and produce best possible instruments for the advanced research. We will keep working hard to produce reliable instruments and assist all our customers in their effort, pushing the front line of science forward, as I believe this helps bringing us all a peaceful and prosperous future.</p> <p>That's why our focus is on our customer's satisfaction, always faithful to them and keep clear responsibility in the company.</p> <p>Finally, provide the best products with best support to make our customer quickly producing world leading data.</p>
<p>McCrone Group 850 Pasquinelli Dr. Westmont, IL 60559 Tel: 630-887-7100</p>	<p>The McCrone Group is internationally recognized as a world leader in microscopy and microanalysis and includes McCrone Associates, McCrone Microscopes & Accessories and Hooke College of Applied Sciences. McCrone Associates is focused on solving the most difficult materials and particle identification</p>

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Microtech Machine Company, Inc.

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Microtech Machine Co.Inc. is a woman owned small business which specializes in prototype engineering and manufacturing production for the aerospace industry, military and commercial aviation markets, medical markets and many more. Microtech is certified to the standard of AS9100D including ISO 9001:2015 which encompasses a scope of registration for precision machining, assembly, and welding. It is an organization which focuses on innovative, engineered solutions by partnering with its customers in the development, material selection and production of:

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Mirion Technologies

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<p>OMS Motion, Inc. 3400 NE John Olsen Ave., Ste. #120 Hillsboro, OR 97124 Tel: 503-629-8081 https://www.omsmotion.com/</p> 	<p>instrumentation selection, installation, training, and service. We are committed to your success.</p> <p>OMS Motion has been producing motion controls for 40 years. Originally founded in the early 80's as Oregon Micro Systems, OMS developed patented technology that provides advantages in the motion control industry. The core products include multi-axis controllers up to 10-axes, fully coordinated and synchronized, as well as single-axis integrated drive/controllers. OMS Motion has the experience, proven reliability and performance that has gained the confidence of engineers and scientists worldwide. MS Motion found success in markets around the world, including semiconductor equipment, lab automation and life science instruments, factory automation, large- and small-scale research facilities/projects, astronomy research and others. Currently there are OMS products in use around the world, on every continent and several countries, supporting mission critical applications. OMS products are proven and help enable the creation of great products and processes. OMS Motion's products were designed to be easy to commission while providing superior performance. The use of advanced components allows OMS to avoid excess overhead and produce very effective performance. The company's strong commitment to their customers success has manifested the support of some individual product applications for more than 28 years, which is no easy task. OMS Motion firmly believes in doing the right thing, which is a testament to how they have had 40-years of success.</p>
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	<p>designed from the ground up to harness the benefits of using SEM with AFM microscopy while offering a wide range of AFM measurement modes.</p>
<p>Quantum Detectors R103, RAL, Fermi Avenue Harwell OX11 0QX United Kingdom Tel: +44 (0)1235 632 047 https://quantumdetectors.com</p> 	<p>For the optimum result, your synchrotron research needs reliable, high-performance, easy-to-use detectors and readout solutions. Sensitivity, resolution, acquisition speed and efficiency, without compromise. That's exactly what Quantum Detectors delivers to you. Quantum Detectors, a spinout from the Science & Technology Facilities Council and Diamond Light Source, the UK's synchrotron, is a market-leading provider of detector systems for X-ray diffraction, X-ray fluorescence, and electron microscopy. Our aim is to make cutting-edge technology accessible to the global science community, as we believe access to the best detection technology should be the fuel behind scientific discovery, not the barrier.</p>
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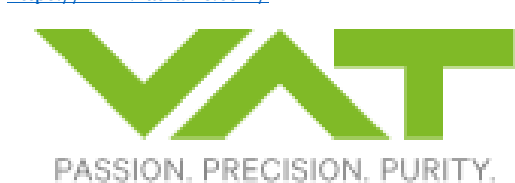
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