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<p>Aerotech 101 Zeta Dr. Pittsburgh, PA 15238 Tel: 412-963-7470 https://www.aerotech.com/</p> 	<p>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 Technologies provides a wide array of robust, cost-effective, and easy-to-use vacuum pumps and systems for demanding industrial uses. From high throughput HS Diffusion Pumps to cost-effective DS, MS, and RPS Rotary Vane Pumps, and from reliable, high performance TwisTorr FS Turbo high vacuum pumps to clean, quiet IDP Dry Scroll primary pumps to precise, easy to use HLD Leak Detectors, Agilent delivers the tools you need to achieve your vacuum system productivity.</p>
<p>Anderson Dahlen 6850 Sunwood Dr. NW Ramsey, MN 55303 Tel: 763-852-4700 https://andersondahlen.com/</p> 	<p>The Applied Vacuum division of Anderson Dahlen has over 30 years of experience manufacturing premium vacuum products, custom vacuum chambers, and custom vacuum systems for use in the most demanding processes, including UHV & XHV. Our customer base ranges from National Labs and Universities to world-class equipment manufacturers in several industries. While we primarily work in stainless steel, we have the capability to work in aluminum, titanium, and many other exotic metals.</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>
<p>AVS US, Inc. 126 Ridge Road Lansing, NY 14882 Tel: 607-533-3531 https://www.a-v-s.es/home</p> 	<p>AVS US designs and develops mechanisms working in harsh environments such as cryogenic temperatures, neutron and gamma radiation, ultra-high vacuum, and high magnetic fields. We are committed to offering effective solutions to the design and engineering problems that our customers could have, by means of the most modern design tools and a contrasted background experienced team. AVS US offers each and every stage that an engineering development could involve, from the conceptual design, all the way up through detail design, manufacturing, assembly, and test with the advantage of having in-site manufacturing workshop, integration laboratories including cleanroom, and all certified according to AS9100.</p>
<p>BellowsTech 3426 Torgingdon Way #400 Charlotte, NC 28277 Tel: 704-837-0331 https://www.mwcomponents.com/locations/bellowstech</p>	<p>BellowsTech is a premier manufacturer of high-quality, dependable edge-welded bellows and assemblies. The expert engineers at our BellowsTech location partner with you to produce truly optimized designs for fast prototyping or full production runs. They can</p>

 <h1>BellowsTech</h1>	<p>manufacture all sizes, shapes, and material combinations to fit your unique applications.</p>
<p>CAEN Technologies, Inc. 1 Edgewater St., Suite 101 Staten Island, NY 10305 Tel: 718-981-0401 www.caentechnologies.com</p> 	<p>CAEN Technologies Inc. is the exclusive U.S distributor for various scientific and accelerator-based products, including magnet power supplies, MTCA.4, and photon BPM readouts from CAEN ELS s.r.l., as well as various beamline products from Elettra Light Source.</p>
<p>DECTRIS USA 1500 Walnut St., Suite 1630 Philadelphia, PA 19102 Tel: 215-384-3479 https://www.dectris.com/en/</p> 	<p>DECTRIS is developing and manufacturing high-quality, high-performance hybrid-pixel X-ray and electron detectors. We are the global leader in hybrid-pixel X-ray detectors (HPC) for research and industry and develop our technology to advance science.</p>
<p>Edmund Optics 101 E Gloucester Pike Barrington, NJ 08007 Tel: 800-363-1992 http://www.edmundoptics.com</p> 	<p>Edmund Optics® is a comprehensive provider of top brands and products in optics and photonics. Since 1942, this leading global optical solutions company has served a diverse range of markets, including Life Sciences, Biomedical, Industrial Inspection, Semiconductor, Research and Development, and Defense.</p>
<p>Edwards Vacuum 6416 Inducon Drive West Sanborn, NY 14132 Tel: 800-848-9800 https://www.edwardsvacuum.com/en-uk</p> 	<p>With over 100 years of experience, Edwards has grown to be the market leader in vacuum technology offering an extensive range of vacuum pumps and systems from atmosphere to ultra-high vacuum. With a strong heritage in pioneering vacuum advancements, we serve diverse markets, from scientific research and semiconductor manufacturing to industrial coatings and renewable energy. Our commitment to continuous innovation drives the development of next-generation vacuum solutions, helping businesses improve efficiency, precision, and sustainability.</p>
<p>Goodfellow 301 Grant Street, Suite 270 Pittsburgh, PA 15219 Tel: 800-821-2870 http://www.goodfellow.com</p> 	<p>Goodfellow has been supplying the needs of science and industry worldwide for over 75 years. We've made it our mission to always be one step ahead, offering one of the most comprehensive ranges on the market, while playing our part in creating the breakthroughs of tomorrow. This has seen us involved in many exciting projects, which have included the development of everything from cochlear implants to nuclear fusion. To ensure we stay at the forefront of material science, we're always expanding and improving our ranges and services. A great example of this is the launch of our Green Production Initiative designed to fuel innovation while fostering sustainability.</p>
<p>Hirox-USA, Inc. 700 Kinderkamack Rd., Suite 108 Oradell, NJ 07649 Tel: 201-342-2600 http://www.hirox-usa.com</p>	<p>Hirox is the pioneer of the 3D Digital Microscope. Our digital microscope system is a versatile tool that accomplishes observation, measurement, recording, and see things "as they truly are" without damaging digital enhancement. Since we released the first digital microscope system over 30 years ago, our primary purpose hasn't changed, "Make it possible to observe anything that our users are trying to see." Hirox's high-</p>

	<p>quality optical, mechanical, and lighting designs have the capability of achieving an expansive magnification range from 0x-10,000x. Hirox' s systems incorporate a variety of features including live focus, real-time 2D/3D tiling with an automated XY stage.</p>
<p>Hitachi High-Tech America, Inc. 20770 Nordhoff St. Chatsworth, CA 91311 Tel: 818-280-0745 https://www.hitachi-hightech.com/global/en/products/analytical-systems/sdd/</p> 	<p>Leveraging decades of experience with synchrotron facilities, Hitachi High-Tech America, Inc. provides advanced SDD technology for X-ray analysis. Our detectors empower researchers at synchrotron facilities to achieve new levels of insight into materials science and more.</p>
<p>Huber Diffraction USA 25266 Brigantine Dr. Dana Point, CA 92629 Tel: 949-391-7755 https://www.xhuber.com/en/</p> 	<p>“HUBER Diffraction USA’HUBER Diffractionstechnik designs and manufactures high-precision positioning systems primarily used for X-ray diffraction in laboratories and at synchrotron beam sources. Other application fields are diffraction experiments with neutrons, laser technology, astronomy and precise measurement technology. Your Decision for Precision.’</p>
<p>JJ X-Ray Dr. Neergaardsvej 5D MS 46R0161 Horsholm, Zealand 2970 Denmark Tel: +45-4667-3000 www.ijxray.dk</p> 	<p>At JJ X-Ray, we design, manufacture, and sell extremely durable high-end solutions for high precision instrumentation purposes. Our target groups are the analytical x-ray, synchrotron radiation, FELs, and neutron research communities. As a smaller, agile Danish company founded in 1996, we provide customers with crucial expertise within our field, thanks to our highly educated and experienced employees. We serve our customers with expert instrumentation assistance, whether they need standard solutions or custom designs – from smaller components to complete beamline solutions. Our mission is to provide the highest quality x-ray systems that ensure safety, reliability, and efficiency for big science facilities around the world.</p>
<p>KA Imaging, Inc. 3-560 Parkside Dr. Waterloo, Ontario N2L5Z4 Canada Tel: 226-215-9897 https://www.kaimaging.com/</p> 	<p>KA imaging produces affordable, easy to use, high-resolution X-ray area detectors, flat panel detectors and benchtop 3D phase contrast X-ray microscopes for medical, scientific, and industrial non-destructive test (NDT) imaging applications. Reveal™ 35C is a single exposure, portable, digital dual-energy subtraction (DES) X-ray detector. Powered by its exclusive SpectralDR™ technology, it uses the same radiation dose as a regular X-ray to create 3 different images without motion artifacts. In the NDT market, Reveal's energy subtraction capabilities can be translated into material differentiation, such as metals and plastics. The inCiTe™ 3D X-ray Microscope provides phase contrast imaging and micro-CT capabilities and is the first commercial X-ray CT system that utilizes BrilliantSe™, a patented high spatial resolution amorphous selenium (a-Se) detector technology exclusively developed by KA Imaging. The inCiTe 2.0 integrates both phase contrast and spectral imaging capabilities. Designed for industrial and research applications, inCiTe 2.0 offers high-resolution imaging for non-destructive testing, making it an alternative to traditional Scanning Electron microscopy (SEM).</p>
<p>KOHZU Precision, LLC 6727 Happy Hill Rd. Evergreen, CO 80439 Tel: 303-944-1082 https://dfcrews.com/kohzu</p> 	<p>KOHZU: Precision Motion Stages (X, Y, Z, Tip, Tilt, Rotation) for atmospheric and vacuum applications. LAB Motion Systems: Nano-precision air bearing stages.</p>

<p>Kurt J. Lesker Company 1925 Route 51 Jefferson Hills, PA 15025 Tel: 412-387-9200 http://www.lesker.com</p> 	<p>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, heating and manipulation devices.</p>
<p>Leybold 6005 Enterprise Drive Export, PA 15632 Tel: 724-327-5700 https://www.leybold.com/en-us</p> 	<p>We are the pioneers in vacuum innovations. Since 1850, we have been at the forefront of technological breakthroughs that have been at the heart of our competencies. Our comprehensive product line makes us one of the most successful suppliers of vacuum technology to the world market. Since our founding, we have leveraged our innovative spirit to reinvent ourselves again and again to adapt to the requirements of the global market. Our products create the necessary production conditions across a broad spectrum of industries.</p>
<p>Mad City Labs, Inc. 2524 Todd Drive Madison, WI 53713 Tel: 608-298-0855 www.madcitylabs.com</p> 	<p>Mad City Labs manufactures innovative piezo nanopositioning systems, micropositioners, AFM, NSOM, and single molecule microscopes. Applications include super resolution microscopy, metrology, interferometry, quantum sensing, material characterization. Our closed loop nanopositioners feature picometer precision and high stability PicoQ sensors. UHV nanopositioning and micropositioning systems part of our standard product line. Custom solutions available. Talk to us about our DIY Quantum Scanning Microscope.</p>
<p>Magnum Steel Works 200 N. Shiloh Dr. Mt. Vernon, IL 62864 Tel: 916-225-2212 http://www.MagnumSteelWorks.com</p> 	<p>Vacuum chamber manufacturer and machine shop for large metal fabrications.</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 is a Swedish company that produces photoelectron spectroscopy instruments and systems. Our state-of-the-art ARPES system, MBS A1SYS, offers you the opportunity to conduct world-leading research. The MBS Spin-ARPES solution is the most effective tool for obtaining spin data at the highest speed. Moreover, our expertise in electron optics and electronics design allows us to provide effective consultation. Please visit our booth to learn more. You are most welcome!</p>
<p>McCrone Group 850 Pasquinelli Dr. Westmont, IL 60559 Tel: 630-887-7100 www.mccrone.com</p> 	<p>The McCrone Group is internationally recognized as a world leader in microscopy and microanalysis and includes McCrone Associates, McCroneMicroscopes & Accessories and Hooke College of Applied Sciences. McCrone Associates is focused on solving the most difficult materials and particle identification problems. McCrone Associates' scientists consult directly with clients and use the most advanced microscopy techniques and instrumentation to solve their problems. McCrone Microscopes & Accessories is the authorized dealer for Nikon microscopes and measuring equipment, Olympus microscopes, Linkam high temperature and X-ray stages, the JEOL NeoScope benchtop SEM with EDS, Timegate Raman, digital imaging systems, and a variety of laboratory supplies. The technical sales representatives at McCrone Microscopes are trusted advisors to scientists worldwide. HookeCollege of Applied Sciences, provides online education and training</p>

	to scientists worldwide, specializing in microscopy instruction.
<p>Motion Engineering Company 17338 Westfield Park Road, Suite 4 Westfield, IN 46074 Tel: 317-849-3638 http://www.highspeedimaging.com</p> 	<p>Provider of turnkey high-speed imaging systems for a wide range of applications. Offering on-site Consulting Services, High-Speed Imaging Rental systems, and Sales of High-Speed cameras and associated accessories.</p>
<p>NKT Photonics, Inc. 23 Drydock Avenue, Suite 410E Boston, MA 02210 Tel: 919-619-1403 https://www.nktphotonics.com/</p> 	<p>NKT Photonics is the leading supplier of high-performance fiber lasers and photonic crystal fibers. We make supercontinuum white light lasers, ultrafast lasers, low noise fiber lasers, and a wide range of specialty fibers for imaging and material characterization.</p>
<p>OMS Motion, Inc. 3400 NE John Olsen Ave., Ste. #120 Hillsboro, OR 97124 Tel: 503-629-8081 https://www.omsmotion.com/</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>
<p>ORTEC - AMETEK 801 South Illinois Ave. Oak Ridge, TN 37830 Tel: 865-482-4411 https://www.ortec-online.com/</p> 	<p>ORTEC is a global manufacturer of radiation detectors and nuclear instrumentation used by government and industrial laboratories, nuclear facilities, medical research, nuclear safeguards, and homeland security professionals. Specializing in radioisotope identification and High Purity Germanium detectors, ORTEC has been a technology leader in the nuclear field for over 60 years. ORTEC is a global brand under the Electronics Instruments group of AMETEK. The Company refines and grows their own HPGe crystals for radiation detectors at their manufacturing facility in Oak Ridge, TN, USA</p>
<p>Pfeiffer Vacuum, Inc. 24 Trafalgar Square Nashua, NH 03063</p>	<p>The Busch Group is one of the world's largest manufacturers of vacuum pumps, vacuum systems, blowers, compressors and gas abatement systems. Under</p>

<p>Tel: 800-248-8254 https://www.pfeiffer-vacuum.com/global/en</p> 	<p>its umbrella, the group houses three well-known brands: Busch Vacuum Solutions, Pfeiffer Vacuum and centrotherm clean solutions. The extensive product and service portfolio includes solutions for vacuum, overpressure and abatement applications in all industries, such as semiconductors, food, analytics, chemicals and plastics. This also includes the design and construction of tailor-made vacuum systems and a worldwide service network. The Busch Group is a family business that is managed by the Busch family. More than 8,000 employees in 44 countries worldwide work for the group. Busch is headquartered in Maulburg, Baden-Württemberg, in the tri-county region of Germany, France and Switzerland. The Busch Group manufactures in its 19 own production plants in China, the Czech Republic, France, Germany, India, Romania, South Korea, Switzerland, the United Kingdom, the USA and Vietnam.</p>
<p>PNDetector GmbH Otto-Hahn-Ring 6 Munich, Bavaria 81739 Germany Tel: +49 89 309087-100 http://www.pndetector.de</p> 	<p>PNDetector is a Munich-based company specializing in advanced silicon-based detector solutions. With our state-of-the-art silicon processing facility, we produce everything from wafer to chip, module, and complete systems. This vertical integration allows us to maintain the highest quality standards while offering tailored solutions for the most demanding experiments. We focus on two key product lines for the synchrotron market: CXC (Colour X-ray Camera): The CXC system is a unique X-Ray Camera providing X-ray spectroscopy for every pixel on every frame. With the ability to distinguish elemental peaks from 150 eV all the way up to 30 keV at 1,000 fps, this system opens up new opportunities (X-ray Fluorescence) Detectors: Our XRF products deliver precise elemental analysis with outstanding sensitivity. Designed to handle the high data rates of synchrotron environments, these detectors enable rapid and reliable material characterization. At PNDetector, we understand the challenges of synchrotron research. Our products are designed to integrate seamlessly with experimental setups, ensuring ease of use and minimal downtime. By continuously innovating our technology and maintaining full control over production, we help synchrotron facilities worldwide push the boundaries of scientific discovery. Whether your needs lie in imaging or elemental analysis, PNDetector is your trusted partner for achieving breakthrough results in synchrotron applications.</p>
<p>Psylotech, Inc. 1616 Payne Street Evanston, IL 60201 Tel: 847-328-7100 https://psylotech.com/</p> 	<p>For over 15 years, Evanston, Illinois based Psylotech, Inc. has been designing and building precision multi-scale micro-mechanical testing systems for the global stage. We provide the research community with tools to help better characterize new materials in static and fatigue, that ultimately provide the backbone for modeling data that in turn supports product development. Precision multi-scale micro-mechanical testing systems like μTTS (type-c, 100 Series and 200 Series) and xTS platforms allow researchers to test materials and small structures under and inside third-party optical microscopes, Digital Image Correlation, confocal Raman, SEM, CT scanners and beamlines. The systems have some unique core technologies that include: 1/ High Resolution Load Cells that are 50 times more sensitive than traditional strain gauge technology, 2/ Seven decades of test speeds that can provide the gap in modeling data between traditional servo-hydraulic and Hopkinson Bar apparatus, 3/ Direct drive actuation reduces twist and precision machine services provide under 5 μm low out of plane motion. Psylotest software is intuitive, easy to use, and can be customized with automation modules for controlling and commanding third party stages, lasers, and beamlines. With the advent of high temperature refractories, additive manufactured materials, size limited irradiated materials, electronic layered systems, battery membranes, and biological structures,</p>
<p>Quantum Design 10307 Pacific Center Ct. San Diego, CA 92121 Tel: 858-481-4400</p>	<p>Quantum Design is a leading manufacturer of automated material characterization systems for physics, chemistry, and material science research communities. Systems provide temperatures from 0.05 to 1,000 K and magnetic</p>

<p>qdusa.com</p>  <p>Quantum Design</p>	<p>fields up to 16 Tesla. The company's Physical Property Measurement Systems (PPMS®, DynaCool®, and VersaLab®) provide a wide range of measurements, including magnetometry, electrical transport, heat capacity, thermal expansion, FMR and thermal transport. The SQUID-based Magnetic Property Measurement System (MPMS®3) is the industry standard for ultrasensitive magnetic measurements. Quantum Design also manufactures an innovative low-vibration magneto-optical cryostat (OptiCool®) that offers 8 optical access ports, a temperature range of 1.7-350 K, and a 7-tesla magnet. Also recently introduced is an award-winning correlative microscope platform (FusionScope®) that combines AFM measurements with SEM imaging and EDS elemental analysis all in one user interface. All measurement systems and cryostats are cryogen-free. The company also offers quantum sensing NV scanning magnetometers, FMR spectrometers, single crystal furnaces, PCD detectors and imaging cameras, s-Laue X-ray single crystal orientation systems, kelvin probe stations, and nano deposition and annealing systems.</p>
<p>Quantum Detectors, Ltd. Harwell Campus, R103 Harwell OX11 0QX United Kingdom Tel: +44 (0)1235 632 047 https://quantumdetectors.com</p> 	<p>The company today is a market-leading provider of advanced direct electron detectors and readout solutions employed in TEM and synchrotron radiation facilities throughout the world. Serving scientific and commercial research sectors, we have gained a reputation for customer service and support with our lifetime product care, continuous product improvement and bespoke solution capability. Quantum Detectors is now recognized as being at the forefront of 4D STEM analysis, having the largest installed base of DEDs supporting all major TEM brands, including Hitachi, JEOL and Thermo Fisher Scientific. And with several hundred installations operational in the field, our readout systems are leading the way in accessing high-quality beamline data.</p>
<p>Rayonix, L.L.C. 1880 Oak Ave., Suite 120 Evanston, IL 60201 Tel: 847-869-1548 https://www.rayonix.com/</p> 	<p>Rayonix L.L.C. has 25 years history of supplying state-of-the-art X-ray area detectors to synchrotron and XFEL beamlines worldwide, as well as university and industry laboratories. The MX-HS high-speed, high-resolution X-ray detectors have no count rate limitation, no gaps in the imaging area and only 1 msec dead time. These are integrating X-ray area detectors, based on the Rayonix high speed frame-shift CCD technology. LX-HS geometries allow the direct beam to pass, for simultaneous SAXS/WAXS data collection. For XFEL applications MX-HS detectors with a beam tunnel through the center of the imaging area allow beam diagnostics simultaneously with data collection. This configuration also eliminates the need for a beam stop in front of the detector. Rayonix is currently commercializing a new integrating pixel array X-ray detector with auto-gain-changing capability, based on the ePix10K ASIC invented by the SLAC detector group.</p>
<p>Rigaku Americas Corporation 9009 New Trails Dr. The Woodlands, TX 77381 281-362-2300 https://www.rigaku.com/</p> 	<p>The Rigaku group of companies are world leaders in the fields of X-ray Diffraction (XRD), X-ray Fluorescence (XRF), X-ray Microscopy (XRM), and other scientific instruments and analytical techniques for industry and research. X-ray instruments enable non-destructive materials characterization of ceramics and clay minerals to determine phase identification and quantification, elemental and chemical analysis, and high-resolution imaging among other measurements. Using techniques such as powder diffraction, thin-film diffraction, in-situ heating/cooling diffraction, energy dispersive and wavelength dispersive XRF spectrometry, micro and nano computed tomography (CT) is performed easily with high precision and accuracy.</p>
<p>SAES 1122 E Cheyenne Mountain Blvd. Colorado Springs, CO 80906 Tel: 719-337-9175 https://www.saesgetters.com/highvacuum/</p>	<p>SAES is the global leader in Non-Evaporable Getter (NEG) pumps and NEG coating used in various high, ultra-high, and extreme-high vacuum applications. From storage rings to front ends to experimental end stations, SAES NEG pumps and NEG coating provide compact and powerful discrete or distributed pumping solutions for synchrotrons around the world. With the advent of</p>

	<p>the ZAO getter material, SAES NEG pumps can also operate in high vacuum and particle sensitive applications, providing significantly higher pumping speeds and more capacity than other getter materials. Specifically, the ZAO getter pumps are used in particle sensitive applications, such as the warm sections between SRF cavities and mirror and monochromator chambers in beamlines. SAES offers many different pumping solutions for a wide range of synchrotron and accelerator applications. SAES Group's NEG coating, flangeless pumps mounted directly in chambers, and traditional CF flanged pumps have provided 100s and 1000s of liters per second of pumping power for synchrotrons and accelerators worldwide for decades. And SAES will continue this tradition of innovation in NEG coating and NEG pumps for decades to come.</p>
<p>Scienta Omicron, Inc. 3222 E. 1st Ave. Denver, CO 80206 Tel: 720-350-5000 https://scientaomicron.com/en</p> 	<p>Scienta Omicron is a leading innovator in Surface Science and Nanotechnology. At our technology centers in Uppsala, Sweden and Taunusstein, Germany we develop and produce high-tech instruments. Our instruments support top researchers globally and are serviced by our four regional hubs in USA, China, Japan and Germany. We provide state of the art instruments in Thin Film Deposition (MBE, ALD, PVD Sputtering), Electron Spectroscopy (ARPES, XPS, AP-XPS, HAXPES) and Scanning Probe Microscopy (STM, AFM, KPFM). Focusing on the race for new unique materials and solutions, in areas like – smarter batteries, next generation electronics, quantum technologies, solar energy, intelligent sensors and advanced materials, Scienta Omicron enables development of tomorrow's materials. Scienta Omicron offers a wide range of standard modular solutions and continuous access to new technologies through significant investments in R&D. Accelerate discovery of novel materials through integrated growth and analysis to speed sequential processes of materials development. Gain reliable results due to true UHV conditions at all times. A proven and effective approach for this research is to use Scienta Omicron 'Materials Innovation Platforms'.</p>
<p>SmarAct, Inc. 2140 Shattuck Ave., STE 302 Berkeley, CA 94704 Tel: 415-766-9006 http://www.smaract.com</p> 	<p>With the development and production of market-leading solutions in the field of high-precision positioning, automation and metrology, the SmarAct Group reliably accompanies their customers in achieving their goals. The broad product portfolio – from single positioning stages to complex parallel kinematics, miniaturized robots, control systems and measurement technology – is complemented by automated micro assembly solutions. Even the most challenging customer requirements can be met by maximum adaptability and complete in-house production. Since its founding in 2005, SmarAct has steadily grown from a small team of engineers to a group of companies with three independent business units and over 220 highly skilled members. Today, SmarAct relies on years of experience and, above all, on a very passionate team with unconditional customer focus.</p>
<p>SPECS-TII Inc. 20 Cabot Blvd., Suite 300 Mansfield, MA 02048 Tel: 508-618-1292 https://www.specs-tii.com/north-america/</p> 	<p>SPECS-TII Inc. leads the way in state-of-the-art systems and components for surface analysis. We offer cutting-edge technology for XPS (UHV, NAP/environmental, and wafer versions), ARPES, LEEM/PEEM, and SPM (SPECS Surface Nano Analysis); SPM / Quantum Transport Controllers (Nanonis/Tramea); ambient atomic force microscopes (Nanosurf); and UHV (ultra-)low temperature scanning probe microscopes (UNISOKU)</p>
<p>Starrett Tru-Stone Technologies 1101 Prosper Drive Waite Park, MN 56387 Tel: 320-251-7171 https://www.tru-stone.com/</p>	<p>For more than 60 years, Starrett Tru-Stone Technologies has been providing precision granite solutions. From complex custom assemblies and machine bases to surface plates and high-precision metrology accessories, Starrett Tru-Stone can provide you with a product that exceeds all expectations. If your application requires a</p>

<p>Starrett® TRU-STONE TECHNOLOGIES</p>	<p>stable base with ultimate accuracy and minimal vibration, Tru-Stone can help.</p>
<p>TDK Lambda Americas 405 Essex Road Neptune, NJ 07753 Tel: 732-795-4100 https://www.us.lambda.tdk.com/</p> 	<p>TDK-Lambda Americas, Inc. is a leading manufacturer of high reliability Low/High Voltage Programmable DC Power Supplies, AC Sources, High Voltage Capacitor Chargers and DC Electronic Loads. Programmable DC products include the GENESYS™ Series, the GENESYS+™ Series, the ALE Series and the SFL Series. For more information, please visit https://www.us.lambda.tdk.com</p>
<p>TecRep Corporation 1919 S. Highland Ave., 330-A Lombard, IL 60148 Tel: 630-627-9110 https://www.tec-rep.com/</p> 	<p>TEST INSTRUMENTS · POWER SUPPLIES · ENVIRONMENTAL · DATA ACQUISITION Manufacturer's Representative Serving the Midwest for Over 30 Years Proudly Representing: Teledyne LeCroy - Oscilloscopes TDK-Lambda - DC Supplies Pacific Power Source - AC Sources Emcor Enclosures Yokogawa Test & Measurement - Power Analyzers, High Speed Data Acquisition, Scopes and more... visit our website @ tec-rep.com</p>
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<p>Vacuum One 3717 N. Ravenswood, Suite 240 Chicago, IL 60613 Tel: 773-244-3102 https://www.vacuumone.com/</p>	<p>Vacuum One is a manufacturers' representative organization located in Illinois. We represent * Edwards Vacuum (turbopumps, vane pumps, scroll pumps)* ANCORP (vacuum hardware, valves, chambers, and custom weldments)* CTI-Cryogenics (cryopumps + waterpumps)* MKS Instruments/Granville-Phillips (vacuum gauges + controllers)* Polycold (closed-loop</p>

	<p>cryogenic refrigeration)* Gamma Vacuum (formerly Physical Electronics -- ion pumps + ion pump controllers)* Veeco (MBE components // ALD systems & components)* Advanced Energy (power supplies, mass flow controllers, and thermal instrumentation)* Applied Thermal Control (recirculating chillers)* ColdEdge Technologies (custom <4K to 1000K cryocoolers)* BriskHeat (flexible surface heaters & temperature controls)</p>
<p>Valuetronics International 1675 Cambridge Dr Elgin, IL 60123 Tel: 800-522-8258 https://valuetronics.com/</p> 	<p>Networking the world of test instrumentsValuetronics was founded by John Griffith in 1992, as a seller and buyer of used test equipment. Later we added several distribution lines of new equipment. With over 300 manufacturers we have been able to provide quality Used and New electronic test instrumentation solutions to our global customers and partners. We stock thousands of instruments at our facility located in Elgin, IL. We take immense pride in providing the best customer service we can offer to ensure that you made the right decision by choosing us! Upon John's passing, our ownership changed hands to Glenn Dulski. Continuing with ValueTronics mission of providing quality Used and New electronic test instrumentation solutions to our global customers and partners. We will achieve that mission with the most professional customer service, cost-effective processes, and procedures in our industry!</p>
<p>VAT Incorporated 655 River Oaks Pkwy. San Jose, CA 95134 Tel: 408-375-5567 VAT Group AG - High Performance Vacuum Valves and Vacuum Systems - VAT Group</p> 	<p>ABOUT VAT We change the world with vacuum solutions – that is our purpose as the world's leading supplier of high-end vacuum valves. The Group reports in two segments: Valves and Global Service. The Valves segment is a global developer, manufacturer and supplier of vacuum valves for the semiconductor, displays, photovoltaics and vacuum coating industries as well as for the industrial and research sector. Global Service provides local expert support to customers and offers genuine spare parts, repairs and upgrades. VAT reported net sales of CHF 942 million in 2024 and employs some 3,200 people worldwide, with representatives in 29 countries and manufacturing sites in Switzerland, Malaysia, and Romania.</p>
<p>X-Spectrum Luruper Hauptstrasse 1 Hamburg, Hamburg 22547 Germany Tel: +49 (0) 40 401 130 40 X-Spectrum – Detectors for serious science</p> 	<p>Ultra-Fast, High-Resolution X-ray and Electron Detectors. Our products enable breakthroughs in scientific research and facilitate defect detection in industrial non-destructive testing. We develop, produce and distribute state-of-the-art X-ray and electron detectors for research facilities, laboratories and industrial partners all over the world. Founded in 2014 in Hamburg, Germany, as a spin-off of a world leading research centre DESY, we strive to de-velop cameras to our customers' requirements based on the latest detection technologies.</p>
<p>XDS Oxford, Ltd. Units 1-4 Ferry Mills, Osney Mead Oxford, Oxfordshire OX2 0ES United Kingdom Tel: +44 (0)1865 320300 http://www.xds-oxford.com</p> 	<p>XDS Oxford is a recognized and established leader in the supply of beamlines, beamline components, experiment equipment and end stations to the scientific community, specializing in the design, assembly, test, installation and commissioning of the high value systems. With over 25 years' experience in the global synchrotron industry, XDS Oxford has built an extensive product range and continues to work with its customers and other experts in the community to expand and develop this range, providing new solutions capable of supporting the increasing demands of scientific endeavours. Continual investment in new production, test and design facilities, together with the recruitment and development of key staff, ensures that XDS Oxford remains at the forefront of beamline system supply.</p>

