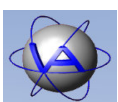


## Microsystems and Materials Companies and Institutes



## Microsystems and Materials Companies and Institutes Competences

	<b>AEMtec GmbH</b> info@aemtec.com www.aemtec.com	<i>Development, qualification, industrialization and production of miniaturized complex assemblies through using high-end chip-level-Technologies e.g. COB or Flip Chip.</i>  <i>The quality management system has been certified to ISO/TS 16949:2002.</i>
	<b>AMIC Angewandte Micro- Meßtechnik GmbH</b> amic.berlin@t-online.de www.amic-berln.de	<i>Spectrum of service: nanotechnology, failure analysis, lifetime estimation, material characterization, virtual engineering, nanoDAC (deformation analysis by means of correlation)</i>
	<b>AROFOX electronics GmbH</b> service@arofox.net www.arofox.net	<i>Development and production for electronic projects.</i>
	<b>A.S.T Leistungselektronik GmbH</b> le@ast.de www.astle.de	<i>Development and production of technically high-grade custom-made applications for railway technology as well as demanding industrial applications. Broad product range for various technological applications in the railway and vehicle technology and industrial manufacturing sectors.</i>
	<b>ASTRO- UND FEINWERKTECHNIK ADLERSHOF GMBH</b> info@astrofein.com www.astrofein.com	<i>Development, manufacturing and testing of precision-engineered components, sub-assemblies, devices and instruments for industrial trade, commerce and scienc. The product range contains attitude control systems for satellites and reaction wheels, (electro)-mechanical hardware for micro and small satellites such as reaction wheels and solar panels, Mechanical Ground Support Equipment (MGSE), optomechanical components and systems in the field of infrared technology like filter wheels and cameras, test beds.</i>
	<b>Berlin Space Technologies GmbH</b> info@berlin-space-tech.com www.berlin-space-tech.com	<i>Berlin Space Technologies (BST) is an experienced supplier of small satellite systems and technologies. Key positions in the TUBSAT™ Program of TU Berlin since 2005. Responsible for the design of key subsystems and operation for multiple missions, including LAPAN-TUBSAT, Orbcomm 2nd Generation, LAPAN-A2 and LAPAN-ORARI.</i>
	<b>bev Bauelementevertrieb Inge Stoss</b> info@bev-bauelementevertrieb.com www.bev-bauelementevertrieb.com	<i>Distribution of and services around all kinds of electronic components for electronics production projects. Thanks to the huge warehouse, immediate delivery of any kind of electronic components is possible.</i>
	<b>CLOOS Schweißtechnik GmbH</b> cloos-berlin@cloos.de www.cloos.de	<i>Due to highest computer performances and technically sophisticated gripper systems, the robot systems accomplish high complexity operations in filigreed precision work. Additionally, vision systems and tactile sensors provide the robots with the sense for more precision. In combination with the innovative arc welding technology, welding orders are realized with higher speeds, more precision and more flexibility.</i>
	<b>Corning Cable Systems GmbH &amp; Co KG.</b> torsten.nath@corning.com www.corning.com	<i>Corning Cable Systems, part of the Corning Incorporated telecommunications segment, is a leading manufacturer of fiber optic communications system solutions for voice, data and video network applications worldwide.</i>
	<b>Deutsche Gesellschaft für Zerstörungsfreie Prüfung e.V.</b> pm@dgzfp.de www.dgzfp.de	<i>Research, development, training and qualification, application and distribution of non-destructive testing methods. The German Society for Non-Destructive Testing (DGZfP) is a not-for-profit organisation and the body which coordinates all NDT activities in Germany. Information and communication on equipment, methods, test results, standards and other regulatory instruments, quality assurance, accreditation and certification, collaboration programmes, institutions, scientific advances through conferences, conventions, seminars, training and qualification, working groups and committees, awards, literature service and journals</i>
	<b>Dr.-Ing. Rainer Heyer Werkzeugtechnik GmbH</b> info@dr-heyer.com www.dr-heyer.com	<i>Hhigh tech coatings for enhancing the performance and service life of tools and components. Core competence is hard material coating based on PVD. The range is rounded off with services, including polishing, lubricant coating, and a great many joint ventures in surface finishing.</i>
	<b>ENEOMS GmbH</b> dalik.sojref@eneoms.com www.eneoms.com	<i>Development and production of "push-broom" hyperspectral modules and systems to apply in the fields of industrial processanalysis, nature protection, environmental protection, materials science and medicine. Modules for UV-, VIS- and NIR are used thereby.</i>
	<b>ENERdan GmbH</b> sales@enerdan.de www.enerdan.de	<i>A complete range of products and services for telecommunications, wireless terminals, medical devices and electrical and light vehicles (LEV). Implementation of individual customer requirements for batteries and chargers. Complete and comprehensive process of design, engineering, prototype development, manufacturing and production in small and large scales.</i>
	<b>ENMATEC GmbH</b> info@enmatec.de www.enmatec.de	<i>Service provider for development and production of components mechanical engineering. The service range cotains construction in the fields of automation and special machinery manufacturing as well as development and production of connection systems and test plugs.</i>

## Microsystems and Materials Companies and Institutes

### Competences

 	<p><b>ENZ-Ingenieurbüro für Umweltelektronik &amp; Automatisierung</b></p> <p>info@enz-berlin.de www.enz-berlin.de</p>	<p><i>Know-how in measurement and controlling technology, especially development, processing, realisation and support of customized systems and components (test- and automation engineering, data communication) for industry and research.</i></p>
	<p><b>Ferdinand-Braun-Institut, Leibniz-Institut für Höchstfrequenztechnik (FBH)</b></p> <p>fbh@fbh-berlin.de www.fbh-berlin.de</p>	<p><i>Competence centre for III/V-compound semiconductors. Research of cutting-edge technologies in the fields of microwave technology and optoelectronics. High-frequency devices and circuits for communication and sensor technology as well as high-power diode lasers for materials processing, laser technology, medical technology and high precision metrology.</i></p>
	<p><b>FMB Feinwerk- und Meßtechnik GmbH</b></p> <p>info@fmb-berlin.de www.fmb-berlin.de</p>	<p><i>- Ultra-high vacuum systems and components (vacuum chambers, radiation absorbers, tapers) - Front Ends und Beamlines (double crystal monochromators, grating monochromators, mirror systems, beamline diagnostics, aperture and slit systems, filtering systems, bremsstrahlung shutters, photon shutters) - Systems and components for research and industry developed according to customer requirements</i></p>
	<p><b>Fraunhofer-IZM - Fraunhofer Institut für Zuverlässigkeit und Mikrointegration</b></p> <p>klaudieter.lang@izm.fraunhofer.de www.izm.fhg.de</p>	<p><i>Fraunhofer IZM specializes in industry-oriented applied research. With four technology clusters, Fraunhofer IZM covers the entire spectrum of technologies and services necessary for developing reliable electronics and integrating new technology into applications. Our customers are as varied as the applications for electronics. We take on development projects for the automotive industry, healthcare and industrial electronics and even textile companies.</i></p>
	<p><b>Ingenieurbüro Lutz Werner Stromversorgungs-technik - Entwicklung und Service</b></p> <p>info@sa-we.de www.sa-we.de</p>	<p><i>Development, prototyp construction and production of small series as well as maintenance and repair of existing plants in the field of railway power supply up to 1100 V DC.</i></p>
	<p><b>InSystems Automation GmbH</b></p> <p>info@insystems.de www.insystems.de</p>	<p><i>Supplier of special purpose machines and handling systems completely from one source. As a general contractor, InSystems collaborates with business partners who are specialists in construction, engineering and materials handling. Range of know-how: facilities and special machines, electrical goods and services, software engineering.</i></p>
	<p><b>Intega GmbH</b></p> <p>info@intega.de www.intega.de</p>	<p><i>Development, planning, construction, installation and qualification of supply systems for pure media. These include special and high purity gases up to a quality of 8.0 (i.e. 99.999999% purity), chemicals for semiconductor production and ultrapure water. INTEGA is a certified specialist for these media as specified in §19 I WHG (German Water Resources Act).</i></p>
	<p><b>IRIS Integrative Research Institute for the Sciences</b></p> <p>rabe@iris-adlershof.de www.iris-adlershof.de</p>	<p><i>The Integrative Research Institute for the Sciences IRIS Adlershof of the Humboldt-Universität zu Berlin explores novel hybrid materials and functional systems with so far inaccessible optical, electronic, mechanical and chemical properties. This research is connected to fundamental studies of structure and dynamics of matter on extreme length and time scales and in complex systems.</i></p>
	<p><b>ISRA VISION Graphikon GmbH</b></p> <p>info.graphikon@isravision.com www.graphikon.de</p>	<p><i>ISRA is a world market leader in surface-inspection systems, and a globally known leading provider of 3D machine and vision solutions, as well as industrial Image Processing (IP) technology. Through its proprietary "Machine Vision" technology of optical systems that imitate the human eye, ISRA SOLAR VISION strengthens its unique product portfolio specializing in the inspection of glass, silicon and thin film solar manufacturing.</i></p>
	<p><b>Loch Leiterplatten GmbH Berlin</b></p> <p>info@loch-leiterplatten.de www.loch-leiterplatten.de</p>	<p><i>Electronics service company. The service portfolio covers: circuit development, board layout, manufacture of circuit boards, assembly of boards, mounting of devices.</i></p>
	<p><b>Leibniz-Institut für Kristallzüchtung im Forschungsverbund Berlin e.V. (IKZ)</b></p> <p>cryst@ikz-berlin.de www.ikz-berlin.de</p>	<p><i>Cultivation of crystalline materials, development, preparation, and characterisation of new types of crystalline substances and manufacture of defined samples. The selection of materials is carried out with a view to potential applications and fundamental research in the fields of information technology, power electronics, photovoltaic technology, sensors, and optics. In its role as a service facility, the IKZ works as a cooperation partner in joint ventures with interested domestic and overseas universities and non-academic institutions.</i></p>
	<p><b>L.U.M. Gesellschaft für Labor-, Umweltdiagnostik und Medizintechnik mbH</b></p> <p>info@lum-gmbh.com www.lum-gmbh.com</p>	<p><i>Production of analytical devices for dispersion analysis and particle characterization in the field of fluid mechanics, rheology and colloid chemistry. The produced measuring equipment is used for the fast, reliable and comprehensive characterization of any demixing phenomena in dispersions. The innovative devices are part of standard laboratory equipment in leading international companies of chemical, food, cosmetics and pharmaceutical industries.</i></p>

## Microsystems and Materials Companies and Institutes

## Competences

	<b>Magnettech GmbH</b> info@magnettech.de www.magnettech.de	<i>Manufacturer and supplier of electron paramagnetic resonance (EPR) spectrometers. One of the most important applications is the detection and quantification of nitric oxide (NO) and superoxide respectively reactive oxygen species (ROS) in cardiology, vascular biology and in the biomedical field.            Products are high sensitive benchtop spectrometers (X-band) and modern modular EPR spectrometers (L-band).</i>
	<b>Magson GmbH</b> office@magson.de www.magson.de	<i>Product Overview: Fluxgate for observatory application, Fluxgate for magnetotelluric application, Fluxgate for space application (flown on Equator-S, on the space station MIR and on the Rosetta Lander), fluxgate for shipboard application, proton magnetometer, coil systems.            Services Overview: calibration service, electronic development.</i>
	<b>mechanike Christian Nitschke</b> info@mechanike.de www.mechanike.de	<i>Engineering office for machinery and plant engineering. The engineering services cover product development, production of prototypes and fixtures, CAD-construction and product visualization, technical documentation. Special knowledge in exact dosage of high-viscosity liquids up to 20.000 cP, plastics processing (in particular colouring of plastics), photonics and optics.</i>
	<b>MILAN Geoservice GmbH</b> info@milan-geoservice.de www.milan-geoservice.de	<i>Provider of air-, land- and sea-services.            Air: airborne laserscanning, digital aerial images, thermography, hyper spectrograph. Land: terrestrial laserscanning, engineering geodesy, mine-surveying, cartograph. Sea: hydro-acoustics, bathymetry, water sampling.</i>
	<b>MMK -Metallbau &amp; Mechanik Kuhrke</b> mmk.kuhrke@t-online.de	<i>Core competences: metal constructions, sheet metal work, metal cutting, welding of stainless steel and aluminium, radiation protection, locksmith work, key and locking services.</i>
	<b>NanoFluor GmbH</b> info@nanofluor.de www.funfluos.com	<i>Research and production of metal fluoride particles in stable forms. Fluorolytic sol-gel synthesis, the prerequisite for this innovative process, has been developed since 2003 and yields a direct synthetic access to homodisperse lower nanometer metal fluoride particles. Especially for sols (nanoparticles that are homogeneously dispersed in a solvent) there is a great potential for utilization in the areas of optics, photovoltaic, ceramic, and dental applications, as well as catalysis and anticorrosive layers.</i>
	<b>OMRON ELECTRONICS GmbH</b> joerg.krause@eu.omron.com www.industrial.omron.de	<i>Focal points: control systems, drive systems, motion control, local industrial networks (ETHERNET, ETNERCAT, PROFINET, PROFIBUS, DEVICENET, CAN, COMPONET), intelligent display and operating devices, industrial PC systems, industrial image processing.</i>
	<b>Optigraph GmbH</b> info@optigraph.eu www.optigraph.eu	<i>One of the three original manufacturers of HOPG in the world. Development, production and distribution of different graphite-based products, primarily x-ray optics. Main product is Highly Oriented Pyrolytic Graphite (HOPG).</i>
	<b>OVA Oberflächenveredlung in Adlershof GmbH</b> k.a.roehr@cityweb.de	<i>Business of electroplating and surface finishing.</i>
	<b>Pfeiffer Vacuum GmbH</b> rainer.bieber@pfeiffer-vacuum.de www.pfeiffer-vacuum.de	<i>For more than 120 years experience in vacuum technology and world market leader in this field. One very special milestone was the invention of the turbopump more than 50 years ago. Extensive line of solutions, products and services ranges from vacuum pumps, measurement and analysis equipment right through to complex vacuum systems.</i>
	<b>PREVAC Präzisionsmechanik + Vakuum GmbH</b> prevac@t-online.de	<i>The business covers the fields of high-precision mechanics and vacuum technology.</i>
	<b>Price Induction GmbH</b> contact.germany@price-induction.com www.price-induction.com	<i>The intent is to put on the market a family of jet engines providing a thrust range suitable for light airplanes (4/6 seats) known as PLJs (Personal Light Jets) and to establish the corporate structure to sell, manufacture and maintain (MRO) these products.</i>
	<b>rd notstromtechnik GmbH</b> info@rd-n.de www.rd-n.de	<i>Planning, supplying and installing of power systems according to customer requirements: safety lighting plants, battery-assisted power supply systems for surgical lights, rectifier/inverter, battery plants, UPS-systems. Additional services are: preventive maintenance, corrective maintenance/repairs, capacity tests, mounting/demounting/waste management, assembly/disassembly/disposal, rental equipment.</i>
	<b>SiCoTec Engineering</b> markus.lankes@sicotec-engineering.de www.sicotec-engineering.de	<i>One of the leading prototype manufacturers and limited series production specialists based in Munich and Berlin. Supplier of key components and complete cabin modules used to manufacture and equip simulators.</i>

**Microsystems and Materials  
Companies and Institutes**      **Competences**



**SILICA (An Avnet Company)**

berlin@silica.com  
www.silica.com

*SILICA, a division of Avnet Electronics Marketing EMEA, provides a comprehensive range of products from 26 semiconductor manufacturers along with design support and the full set of logistical and value added services to industrial and commercial customers throughout Europe. Products: Analog (Signal Chain), Power Management, Microcontroller/DSP, Programmable Logic, Commodity.*



**sglux SolGel Technologies GmbH**

welcome@sglux.de  
www.sglux.de

*Production of components for measurement of ultraviolet radiation. Product list: SiC UV Photodiodes, TOCON - UV Detectors with pre-amplifiers, UV Sensors (analog), UV Sensors (digital), UV Radiometer and UV Spectrometer, Datalogger, Monitors and Controllers, Amplifier, UV Lamps, Other UV photodiodes, UV bulbs.*



**STEINGROSS Feinmechanik**

info@steingross.de  
www.steingross.de

*Development, designing, manufacturing and complete assembly of scientific equipment, mechanical components and special parts. Made of metals, alloys, high-tech ceramic and artificial materials as single parts or in small series. Intended to be used as components in the fields of: vacuum technology, laser technology, X-ray technology, medical technology and space technology.*



**VECTRONIC Aerospace GmbH**

mail@vectronic-aerospace.com  
www.vectronic-aerospace.com

*VECTRONIC Aerospace GmbH combines the knowledge of over a decade of research and development in space technology and wildlife monitoring. It has now become one of the world wide leading companies in the area of wildlife monitoring and offers a wide range of superior-quality products for small satellite applications.*



**W & P GEAT GmbH**

info@wpgeat.de  
www.wpgeat.de

*Specialization in automation technology for different fields of use, construction of special plants according to customer purposes and a large variety of aluminium profile systems.*



**W&P Wolf & Partner GmbH**

service@wp-berlin.de  
www.wp-berlin.de

*Design, development, and construction of complex mechanical components, with close links to various branches of the electronic engineering and automation technology sectors. Specialist areas include, automotive industry, plumbing supplies, tooling industry, post automation, safety engineering, laboratory technology, medical technology, environmental technology.*



**ZEMI Zentrum für Mikrosystemtechnik  
Berlin**

zemi@zemi-berlin.de  
www.zemi-berlin.de

*ZEMI is an association of research facilities located in Berlin that aims to focus the intellectual and technical resources of the member institutes in one location for the benefit of industry users. ZEMI's objectives are: to provide access to the intellectual and technical resources of the associates, to support companies in development and production, to shorten development times while reducing innovation costs, to provide comprehensive, expert project management services.*