**advanced fiber tools GmbH\_NATURE - OUR INSPIRATION**

*NATURE - OUR INSPIRATION*

Source: advanced fiber tools GmbH

**AMT Pte Ltd.\_1**

*Transforming molded parts into high-strength metal components*

Source: AMT

**AMT Pte Ltd.\_2\_Medical\_Device\_Manufacturing**

*Medical Device Manufacturing solution for your complexity breakthrough*

Source: AMT

**231207-Axxicon-19180\_-\_Bewerkt**

*Injection Moulded Microfluidic disposable*

Source: Axxicon

**231207-Axxicon-19548\_-\_Bewerkt**

*Ultra Precision Toolmaking*

Source: Axxicon

**BEUTTER Präzisions-Komponenten GmbH & Co. KG\_1\_Schraubendreher**

*Self-retaining screwdriver for medical application; autoclavable steel and plastic components, assembled and tested for functionality.*

Source: Beutter

**BEUTTER Präzisions-Komponenten GmbH & Co. KG\_2\_Ports**

*Implantable port systems made from titanium with silicone septa, high surface quality, partially developed in-house.*

Source: Beutter

**Bondus B.V.\_1\_Manifold\_picture\_only**

*Bondus bonded manifold in polycarbonate, for assembly of microvalves (Fa. Staiger GmbH)*

Bildquelle: Bondus

**Bondus B.V.\_2\_Chip**

*Microfluidic chip*

Source: Bondus

**camLine Dresden GmbH\_1**

*InFrame Synapse MES—Medical Device Edition*

Source: camLine

**camLine Dresden GmbH\_2**

*Implement Role-Based Strategy*

Source: camLine

**CeramOptec\_Optran-Fiber\_\_wcqZ3EF**

*CeramOptec: Medical Fiber with abrasion-resistant marking*

Source: CeramOptec

**CiSForschungsinstitut\_1\_eLGAD**

*Demonstrator of an electron detector with integrated avalanche amplification of signals*

Source: CiS Forschungsinstitut für Mikrosensorik

**CiSForschungsinstitut\_2\_FIRE2025**

*Infrared emitter array for thermal radiation between 2 and 15 µm up to 100 Hz*

Source: CiS Forschungsinstitut für Mikrosensorik

**Core Materials Inc.**

*Core Materials: Biocompatible TPU Solutions for Next-Gen Medical Devices*

*We engineer polymer innovations built for what’s next.*

*• High-performance biomedical TPUs*

*• Precision, consistency, biocompatibility*

*• FDA USP 88 Class VI & ISO 10993 certified*

Bildquelle: Core Materials Inc.

**CorTec\_heraeus\_Medevio\_A\_Ll986qe\_1**

*CorTec & Heraeus Medevio: strategic partnership for the development of Medical Devices*

Source: CorTec GmbH

**CorTec-AirRay\_Cuff\_Split\_RPY9lm8\_2**

*AirRay Electrode Technology. Interfaces to the nervous system.*

Source: CorTec GmbH

**Cubic Sensor and Instrument Co. Ltd.\_1**

*Gasboard-2051 gas sensor for CO, CH4 and CO2 concentration measurements which is based on non-dispersive infrared technology,it uses an ultra-fast modulation frequency and a special detection circuit to achieve the fast response, high accuracy, excellent stability and anti-interference abilities during lung diffusion function tests. With microcontroller processing, it offers gas sampling, signal processing, sensor calibration and measurement output, and realizes the fast and accurate measurement of the ultra-low range gas CH4, CO based on the ATS/ERS 2017 requirements. With small size and clean design, Gasboard-2051 is the best choice to be integrated with pulmonary function test systems.*

Source: Cubic

**Cubic Sensor and Instrument Co. Ltd.\_2**

*The Gasboard-2513 series is a dual-function gas analysis sensor independently developed by Cubic. It integrates two advanced gas sensing technologies: tunable diode laser absorption spectroscopy (TDLAS) for oxygen (O2) detection and non-dispersive infrared (NDIR) absorption for carbon dioxide (CO2) measurement.*

*Each sensing channel, which incorporates a high-precision probe and a specially processed gas chamber, delivers enhanced detection accuracy and sensitivity while maintaining a long operational lifespan. A built-in temperature compensation algorithm corrects for environmental variations, enabling stable and reliable measurement in complex and harsh conditions.*

*The modular structure of the Gasboard-2513 series supports flexible installation and system integration. Regular calibration can be performed directly through the TTL communication interface. A low-power architecture reduces overall energy consumption, minimizes maintenance requirements, and facilitates seamless system integration.*

Source: Cubic

**Delta Optical Thin Film AS**

*Customised high-performance optical filters for medical technology and analytics*

Source: Delta Optical Thin Film A/S

**ELSCHUKOM GmbH\_1**

*Fine wire:*

*With diameters as small as 0.0005 mm – many times thinner than a human hair – our wires meet the highest standards.*

Source: Elschukom GmbH

**ELSCHUKOM GmbH\_2**

*Stranded wires:*

*Our stranded wires are manufactured with a defined position around a metallic or non-metallic core. Base materials, pitch, and coatings are precisely tailored to your application.*

Source: Elschukom GmbH

**EPIC\_LOGO\_LONG\_FORM**

Source: EPIC

**FISBA.\_1\_Endoscopy\_competenzen**

*FISBA develops and manufactures optical components and systems for endoscopy – precise, reliable, and tailored to your needs.*

Source: FISBA

**FISBA\_2\_Customized\_Illumination\_\_suvrsJ3**

*FISBA develops and manufactures laser modules – from standardized solutions to customized designs, adaptable to your application.*

Source: FISBA

**Fraunhofer-Institut für Elektronische Nanosysteme ENAS\_1\_Paryleneleiterplatte\_1\_4**

*Ultrathin and flexible PCB Parylene substrate with multiple metallic layers*

Source: Fraunhofer ENAS

**Fraunhofer-Institut für Elektronische Nanosysteme ENAS\_2\_CND\_TUC\_Waver\_Teaser**

*CNT FET on waferlevel for biosensors*

Source: Fraunhofer ENAS

**Fraunhofer-Institut für Zuverlässigkeit und Mikrointegration IZM\_1\_22A1933**

*Water tank with 3D scanner for an ultrasonic test rig to determine transducer and material properties.*

Source: Fraunhofer IZM/ Volker Mai

**Fraunhofer-Institut für Zuverlässigkeit und Mikrointegration IZM\_2\_22A2139**

*Multisensor Patch (ECG, PPG, Impedance pneumography, movement) on TPU*

Source: Fraunhofer IZM/ Volker Mai

**IMT Masken und Teilungen AG\_1**

*Sub-micron patterning in glass microfluidics*

Source: IMT Masken und Teilungen AG

**IMT Masken und Teilungen AG\_2**

*Glass wafer with microfluidic channels and through-holes*

Source: IMT Masken und Teilungen AG

**Innovative Sensor Technology IST AG\_1\_LFS\_1305\_ligthblue**

*LFS1305 conductivity sensor with integrated temperature sensor – precise monitoring of ion concentration for cell culture media, dialysis, and kidney monitoring.*

Source: Innovative Sensor Technology IST AG

**Innovative Sensor Technology IST AG\_2\_PW0K1.216.7W\_010.03306\_V\_oe9ikya**

*Pt1000 Class F0.15 temperature sensor up to 600 °C – fast and precise measurement for reliable process control in biotech, medical, and industrial applications.*

Source: Innovative Sensor Technology IST AG

**Jobst Technologies GmbH\_1\_LV5\_packaged\_sensor\_V2\_mittel**

*B.LV5 biosensor with flow cell ruggedized*

Source: Jobst Technologies GmbH

**Jobst Technologies GmbH\_2\_six\_biosensor\_transmitter**

*Six-Transmitter: USB-connected transmitter unit to operate B.LV5 and B.IV4 biosensors.*

Source: Jobst Technologies GmbH

**Keuro Solutions\_1\_Catheter\_and\_Balloon\_Catheters**

*Design and Manufacturing of Catheters and Balloon Catheters*

Source: Keuro Solutions

**Keuro Solutions\_2\_Nitinol\_Braiding\_and\_Processing**

*Nitinol Braiding and Processing*

Source: Keuro Solutions

**KYBURZ SAPPHIRE\_1\_Sapphire\_lens**

*Sapphire micro lens segmented*

Source: www.kyburz-sapphire.ch

**KYBURZ SAPPHIRE\_2\_Sapphire\_prism**

*Sapphire prism drilled*

Source: www.kyburz-sapphire.ch

**lambda glass solutions GmbH & Co.KG\_1**

*Microfluidic Chip with integrated fiber optics*

Source: lambda glass solutions

**lambda glass solutions GmbH & Co.KG\_2\_Nozzles**

*3D Quarz Glass Nozzle with 100µm Channel*

Source: lambda glass solutions

**LRE Medical GmgH\_1\_MUC EMC Chamber Innen**

Source: LRE Medical

**LRE Medical GmbH\_2\_SMD\_Linie\_spule**

*LRE Medical SMD Assembly, Nördlingen*

Source: LRE Medical

**Mabuchi Motor Electromag SA\_1\_Full\_range\_med\_res**

*Sterilizable brushless DC motors for high-speed applications (Robotics, surgical power tools, ventilation, dentistry, etc.)*

Source: Mabuchi Motor Electromag SA

**Mabuchi Motor Electromag SA\_2\_OKEN\_pumps**

*Rolling pump for gas, vacuum and liquids*

Source: Mabuchi Motor Oken

**Microdul AG\_1\_solor\_panel**

*ASIC design for medical devices and implants: Minimal size, maximum functionality – Microdul develops the optimal ultra-low-power circuit according to specified functions and requirements. Established medical device manufacturers or start-ups can rely on a customized circuit that fully meets their quality standards. As a one-stop shop for comprehensive ASIC services, Microdul - besides packaging - also performs validation, failure analysis, wafer probing, and testing.*

Source: Microdul

**Microdul AG\_2\_chip\_right**

*Development and production of high-quality, miniaturized micromodules: Microdul specializes in the manufacture of high-quality micromodules. Outstanding customized solutions are created in close cooperation with the customer. The Swiss company has over 30 years of experience in the field of medical applications and has supplied the microelectronics for 15 Class 3 AIMDs on the market.*

Source: Microdul

**Mikrop AG\_1\_Studio-Fotosession-006\_klein**

Source: Mikrop AG

**Mikrop AG\_2\_B01\_Chromatischer\_Sensor**

Source: Mikrop AG

**Minitubes S.A.\_1\_SDM2048\_redim\_pr\_compamed**

*IVD / chromatography device*

Source: Minitubes S.A

**Minitubes S.A.\_2\_Studio\_Session-014\_redim**

*IVD / chromatography device*

Source: Minitubes S.A

**OptoSigma Europe SAS\_1**

*Telecentric zoom microscope with long working distance, motorized and tunable, without losing focus.*

Source: OptoSigma

**OptoSigma Europe SAS\_2**

*Tip/Tilt Sensor with Small Footprint*

Source: OptoSigma

**Photonhub**

Source: PhotonHub

**PhotonMed\_LOGO\_MEDPHAB\_SHORT\_TRANS**

*MedPhab Association - Access to expert services to support your medical device development*

Source: PhotonMed

**PI Ceramic GmbH\_1\_Piezokeramische\_Komponenten**

*PI Ceramic manufactures customized piezoelectric ceramics with different designs and dimensions*

Source: PI Ceramic GmbH

**PI Ceramic GmbH\_2**

*For generating high focused ultrasound, piezoceramic hemispheres are ideal – in full-ceramic design, as a high-performance composite, or flexibly assembled from individual piezo components.*

Source: PI Ceramic GmbH

**Pla Giken Co., Ltd.\_DYNAMIC\_EXTRUSION**

*Pla Giken’s DYNAMIC EXTRUSION technology is transforming how medical manufacturers make high-performance flexible polymer tubes.*

*+++ What makes it game-changing? +++*

*Our patented mold extrudes soft, medium and hard polymers in a single continuous process, creates tubes with variable stiffness—no manual layering, no heat-shrink jackets, no bottlenecks. Whether you need sharp transitions or smooth gradients, our two diehead options—Switch-type and Mix-type—give you total control over tube design.*

*+++ From hours to minutes +++*

*Traditional lamination takes hours and multiple operators. With Pla Giken’s MDX system, you get a finished tube in a couple two minutes\*—with only one operator.*

*\*the production speed relies on the tube length and specificaions.*

*+++ Prototype with confidence +++*

*Want to test your own tube designs?*

*We offer prototyping services so you can experiment, iterate, and innovate—without committing to full-scale production.*

*--- Why Pla Giken?*

*With nearly 50 years of expertise and a reputation for turnkey solutions, we’re not just selling machines—we're delivering freedom to innovate, reduce costs and elevate quality of extruded products.*

Source: DYNAMIC EXTRUSION for MULTI-FLEX TUBING

**MAIN\_IMAGE\_ROLL.\_UP\_RETINA\_LARGE**

Source: RETINA

**SCHOTT AG**

Source: SCHOTT AG

**Specialty Coating Systems\_1\_Logo\_1-7-16\_CMYK**

*Ultra-thin Parylene coatings offer excellent moisture and dielectric barrier properties, and low coefficients of friction, the coatings provide for medical devices and components.*

Source: Specialty Coating Systems

**Specialty Coating Systems\_2\_Logo\_1-7-16\_CMYK**

*SCS provides multiple industry-leading liquid coatings, including acrylics, silicones, epoxies and urethanes. Conformal coatings are thin, nonconductive, dielectric layers that protect devices and components. Each liquid coating provides unique properties and characteristics to benefit a variety of components used throughout the transportation, electronics, aerospace, defense and medical device industries.*

Source: Specialty Coating Systems

**VICI AG International\_1\_M6\_PUMP\_VERTICAL\_03\_PS\_1**

*M6 Pump*

Source: Images are original property of VICI

**VICI AG International\_2\_C82NX-6676D\_WITH\_FITTINGS**

*Cheminert Valve*

Source: Images are original property of VICI