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Guide to German Medtech Companies

BIOCOM®

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Medtech Companies

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Editorial

Medtech is coming back on track

With the coronavirus pandemic still ongoing, the medical technology sector is faced with challenges that never have been larger. On the one hand, companies are dealing with the complex requirements of the EU MDR regulations and try to keep their medical product potfolio in the European market. On the other hand, they are confronted with extreme fluctuations in the demand site, which makes sales expectations more difficult to plan. However, and that's the good news, German medtech companies still constitutes a well-established pillar within the healthcare industry in Germany and could provide a major part to the country's export-driven economic growth, even during these challenging times. For 2021, economic experts estimate that around 36 billion euros of revenue will be generated, a 8% plus compared to 2020 – which brings the sector back on the growth track of the previous years. The robust condition of the sector owes to the very German-like combination of tradition and inventiveness, resulting in a good hands-on mentality in dealing with an unprecedent crisis. Another of the sector's competences which helped to provide stable business activities is its ability to cross-link with the pharma, IT, and manufacturing sectors.

With the seventh edition of our "Guide to German Medtech Companies", BIOCOM AG follows this development, highlighting the broad competences of the German medical technology sector. The Guide offers a diverse compendium of companies – from medical device developers to manufacturers, service providers, medtech event organisers and organisations. In addition, most recent trends in the sector are summarised in the introduction, for instance digital health and automation.

The Guide to German Medtech Companies is supported by our partners Germany Trade & Invest, BVMed e.V., Medical Valley EMN e.V., Life Science Nord, Medical Mountains, SPECTARIS, Forum MedTech Pharma, MicroTec Südwest, IVAM, and VDMA. These national organisations and regional networks are important stakeholders, helping to establish further growth of "Medtech made in Germany" by providing the right environment for traditional family-owned firms, global players, start-ups, technological forerunners, manufacturers, suppliers, and service providers.

As this book will be distributed digitally and with the support of many international medtech stakeholders in Europe and overseas, it will definitely provide strong visibility of German medical technology companies on an international level. The publication is also available for free via our BIOCOM AG website. Electronic version or as printed copy: the Guide is bound to become a must-have on the desk of health professionals in Germany and beyond.

Sandra Wirsching
Editor-in-Chief

Christian Böhm
Sales & Marketing

Content

Event Partners

Arab Health Dubai | 24–27.1.2022
http://www.arabhealthonline.com

Medlab Middle East Dubai | 24–27.1.2022
www.medlabme.com

Kimes Seoul | 10–13.3.2022
https://kimes.kr/eng/

Medical Technology UK Coventry | 16–17.3.2022
https://www.medicaltechnologyuk.com

expomed eurasia Istanbul | 17–19.3.2022
https://expomedistanbul.com/en/

MD&M West Anaheim | 12–14.4.2022
https://www.mdmwest.com/en/home.html

DMEA Berlin | 26–28.4.2022
https://www.dmea.de

MedtechLive with T4M Stuttgart | 3–5.5.2022
https://www.medteclive.com

Hospitalar Sao Paulo | 17–20.5.2022
https://www.hospitalar.com

Microtec Südwest Clusterkonferenz Freiburg | 18–19.5.2022
https://www.microtec-suedwest.de

Kihe Kasachstan | 18–20.5.2022
https://kihe.kz/en/

EPHJ Geneva | 14–17.6.2022
https://ephj.ch/en/

MD&M East New York | TBD
https://www.advancedmanufacturingeast.com

FIME Miami Beach | 27–29.7.2022
https://www.fimeshow.com

Medical Fair Asia Singapore | 31.8.–2.9.2022
https://www.medicalfair-asia.com

Medtech China Shanghai | 31.8.–2.9.2022
https://www.medtecchina.com

Medic West Africa Lagos | 7–9.9.2022
https://www.medicwestafrica.com

Medical Technology Ireland Galway | 21–22.9.2022
http://www.medicaltechnologyireland.com

Global Health Exhibition Saudia Arabia | 25–27.9.2022
https://www.globalhealthsaudi.com

Asia Health Bangkok | 19–21.10.2022
https://www.medlabasia.com/asiahealth

Medlab Asia Pacific Bangkok | 19–21.10.2022
https://www.medlabasia.com/asiahealth

Africa Health Johannesburg | 26–28.10.2022
https://www.africahealthexhibition.com

Medica Dusseldorf | 14–17.11.2022
https://www.medica.de

Compamed Dusseldorf | 14–17.11.2022
https://www.compamed.de

The German Medtech Industry: Modest growth & robust crisis management

During the past two years, the German medical technology sector has proven to be a solid and robust partner in fighting with the complex conditions of the coronavirus pandemic. By combining long-standing competences in engineering, manufacturing and healthcare, German companies are well-known partners for high-quality medical products. They provide state-of-the-art devices, fulfilling all regulatory standards on a high safetey level in accordance with international guidances. Germany is also recognised as a proven manufacturing location, with suppliers guaranteeing the production of innovative medical devices. The majority of the German enterprises are export-oriented, as most of the revenue is generated in foreign countries. The high degree of innovation 'made in Germany' is evidenced by the fact that one third of turnover is generated with medical products that are not even three years old. The medical industry benefits from leading research facilities in the various health and engineering disciplines, a high-level healthcare infrastructure with internationally well-known hospitals, and a high degree of manufacturing standards. All those conditions have laid the ground for a comparatively robust medical technology sector in Germany which was able to turn into a modest growth modus for 2021, although certain product categories still see lower or unstable demand. On the other hand, overall key figures show that most of the German medical technology companies went better through the crisis than expected, particularly those which are involved in delivering life saving solutions to prevent, monitor or treat Covid-19 related diseases. In addition, several further trends such as digitisation and artificial intelligence had an economic growth impact on medical technology companies in 2021.

German companies show first signs of modest growth again

The medical technology industry is a major pillar within modern healthcare systems providing innovative solutions for major challenges and needs. In 2021, this has been again demonstrated with regards to the Covid-19 pandemic. German medical technology companies were and still are at the forefront of providing essential products

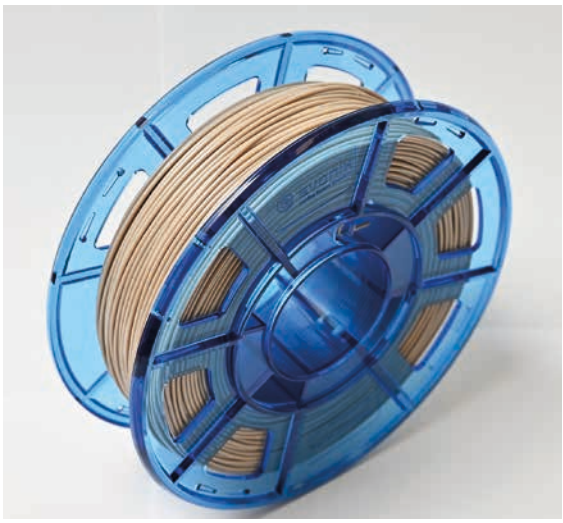
and solutions in the fight against Covid-19. Be it face masks, ventilators, diagnostics or the technologies needed to build and produce those products – a large number of German international and mid-sized companies is still involved in those areas. A large part of companies active in other areas, could also return back to a higher demand. According to latest figures of German industry association SPECTARIS, the sector expects total sales of 36 billion euros for the 2021 financial year, of which more than 22 billion euros account for foreign sales. This corresponds to a total plus of around 8% compared to the previous year which saw already a slightly higher turnover of 34 billion euros than previously assumed. This demonstrates that German medical technology companies are back on track with a modest growth and well positioned to be a reliable industry partner, even in challenging times.

Strong contribution to the economy

In addition, the medical technology industry in Germany remains to be an important cornerstone of the German economy. The more than 1,450 companies with over 20 employees provide over 154,000 jobs. In addition, further 12,500 small companies and retail companies can be

counted, with more than 210,000 employees. The German medical technology industry is strongly characterised by medium-sized companies. Around 95% of the approximately 1,450 companies have fewer than 250 employees. Almost 900 companies have fewer than 50 employees.

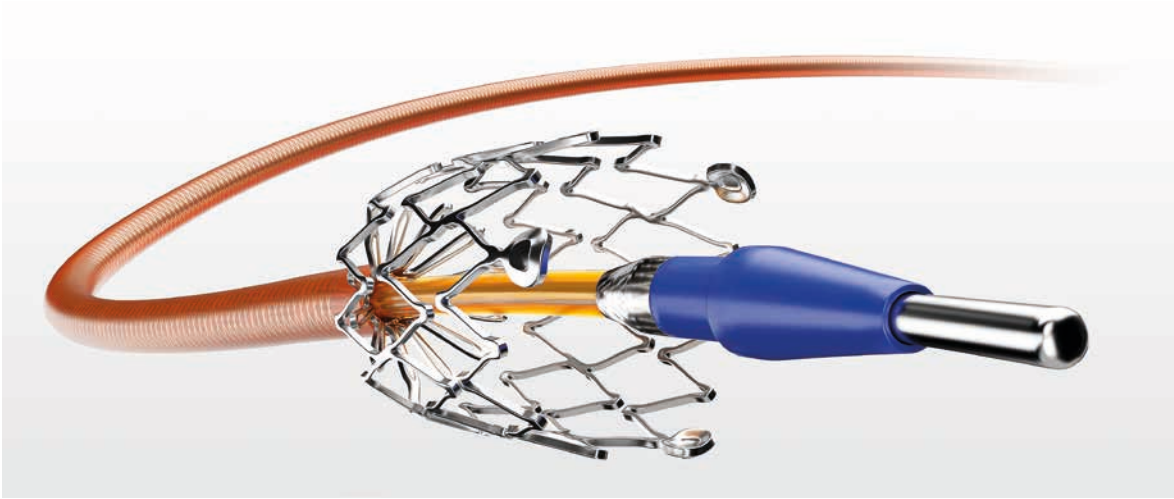
The international business in particular is still very much in the focus of many stakeholders in Germany. Around the world, the pandemic demonstrated the high need for modernisation of health infrastructure. It's not just about coping with short-term crises. For years, global developments, such as demographic change or the increase in chronic diseases, have created an ever-increasing demand for more innovative health solutions, for example for remote patient monitoring, improved clinical infrastructure and innovative, more efficient and precise diagnostics and treatment options. Nowadays, not only emerging markets in Asia, Middle East or Africa are attractive destinations for German companies, but also the more established health systems in the US and EU countries. Although those countries are well positioned in a global comparison, they were not able to cope with the waves of Covid infections and the need to catch up is clearly visible. Multi-billion euros aid packages want to build up reserves and an improved preparedness infrastructures. These planned higher expenditures and investments in the US and Europe will also enable German industry companies numerous business opportunities in the coming years. According to the German Medical Technology Association (BVMed), German medical technology companies exported around 66% of their products in 2020, and the trend is rising. The most important sales market is the EU with 41% (as of 2019), followed by Asia (19.3%) and North America (18.9%).



With their high innovation standard, German manufacturers are well positioned to drive this development and maintain their leading position in the global medtech market. Germany currently accounts for 12% of global medical technology exports. The industry is thus the world's vice export champion, only the US-American manufacturers export more goods.

High automation across manufacturers and new Industry 4.0 solutions

A big trend in the German medical devices industry of today is the digital transformation and the integration of novel automated solutions in the manufacturing of medical products. Fields of application range from logistics to smart production plants, integrated software solutions, connected devices to a digital hospital supply. New systems for automated batch management, near-real-time quality assurance or cyber-physical systems that interconnect machines and product carriers will become important in the next months and years. Smart and automatically convertible systems allow smaller batch sizes to be produced economically, which is becoming increasingly important as personalised medicine progresses. For manufacturers and suppliers in the medical technology sector this means, that in the long-term, the type of products they produce will change. They are being digitised, contain more electronics, need the smallest electronic components such as microbatteries and powerful IT hardware, have interfaces for networking and be equipped with software. At the same time, the wave of digitisation is also spilling over into the manufacturing area: process efficiency, process monitoring, process control – what is commonly summarised under



the keyword Industry 4.0 is on everyone's lips these times. The term also stands for the demand of a leaner production and a continuous increase in added value. From this background, experts are working on novel strategies to set up advanced systems engineering approaches and digital process architectures to help shorten development and manufacturing times and costs in the medical technology sector as well as to connect machines of different manufacturers. Furthermore, cost-efficient and intelligent robotic systems with smart software tools which can be easily integrated into existing infrastructures are on the rise. Laser-based assistence systems to reduce simple procedures are of interest as well. Particularly SMEs are keen to use these easy-to-implement solutions to drive forward their own production processes. Several German automation experts previously active in the automobile sectore are now increasingly offering their expertise in the medical technology sector.

Additive manufacturing on the rise

Another topic further gaining momentum in the German medical technology industry is additive manufacturing which is continuously developing towards industrial applications. During the pandemic, this development was pushed forward with regard to new opportunies to use 3D printing for faster manufacturing processes. Enormous progress has been made from initial prototype construction to automated series production. Many companies in the value chain have now enlarged their 3D printing services, have incorporated new business areas with a focus on additive manufacturing or have started to invest in start-ups. This is also reflected by the diversity of devices and functionalities as well as materials used presented for medical applications of 3D printing at this year's face-to-face events, such as MEDICA in Düsseldorf or Formnext in Frankfurt. In particular, promising applications are seen with regard to personalised and individually designed products. Here, 3D printing offers the advantage of a quick and cheap manufacturing process which is more needed than ever in the medical technoloy industry.

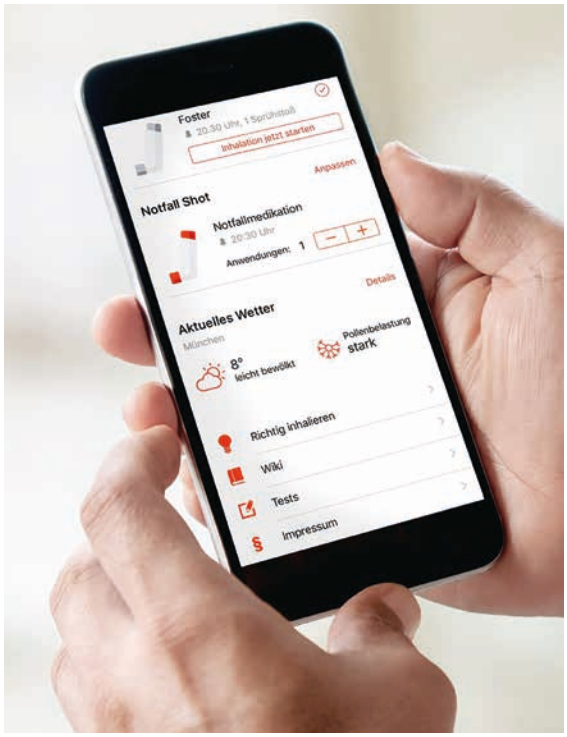
As a next step, many stakeholders are also working on solutions to bring 3D printing in mass production, allowing completely new formats and the new combination of materials. Automation in the production of 3D-printed implants, for instance, could be one option. Some German stakeholders are trying to set up first prototypes of automated production facilities with a high throughput and no touch approach allowing for the industrial manufacturing of soft tissue scaffolds. They argue that those processes hold the promise of increased quality and safety of products and fully optimised production results.

Major push for digital health

In 2021, digital health was another growth topic for many companies in the German medical technology sector. With the Digital Care Act into effect since January 2020, digital apps can be regularly prescribed and receive approval by the Federal Institute for Drugs and Medical Devices (BfArM) as Digital Health Application (DiGA) which results into official reimbursement by the statutory health insurance companies. With this, Germany's DiGA Fast Track process has created a new model for enabling more rapid market access for digital health applications into German standard care. Medical apps classified as class I and IIa medical devices can apply for fast-track market access and, after a successful completion of a maximum three-month assessment period, can be listed in the DiGA, Digital Health Applications directory for reimbursable digital health apps. For the moment, the DiGA Fast Track Process focuses on low to medium risk medical devices of classes I and IIa. However, because many apps will be upgraded to higher risk classes under the stricter medical devices regime of the EU Medical Device Regulation (Regulation (EU) 2017/745) which has just recently become applicable, it is likely that the DiGA Fast Track Process will need to be adapted to include higher risk DiGAs in the near future. In fact, other countries such as France already announced plans to replicate the German process, and the regulation is being considered as a model for further developments at the European level. The harmonisation of healthcare systems regarding digitalisation and digital health, in particular with comparable requirements for interoperability, could drive the development of a more aligned European healthcare sector, many experts assume. For this reason, Germany is expected to see an uptick in DiGA Fast Track applications in 2022, and developers of apps are well advised to consider the DiGA Fast Track Process for their digital health apps.

Ongoing challenge with MDR

The new EU Medical Device Regulation (MDR), for which the end of the transition period was scheduled for May 2021, is still one of the major topics widely discussed in the German medical technology industry.



Most experts assume that the years 2022 to 2024 will be the most critical periods to watch. By then, a huge number of expiring MDD certificates will appear which will lead to massive capacity problems within the notifed bodies. As total numbers of these bodies is still low and demand for experienced regulatory affairs experts is higher than existing personel available, many foresee considerable bottlenecks for the industry to deal with in the upcoming years. However, German policy makers already started to massively fund new supporting infrastructures, particularly in Southern Germany, accompanied by funding programs aimed at helping companies to find targeted or joint solutions. If and how product portfolios are cut down, is still an open question, even among experts. Hope exists, that adapted regulations could at least apply for products in niche markets such as for children or rare diseases, and that for standard products already used safely for decades in the market, lower overall documentation will be needed in the long-run.

Our Cooperation Partners

New business through innovation in Germany

Germany Trade & Invest is the economic development agency of the Federal Republic of Germany. The company helps create and secure extra employment opportunities, strengthening Germany as a business location.

With more than 50 offices in Germany and abroad and its network of partners throughout the world, Germany Trade & Invest supports German companies setting up in foreign markets, promotes Germany as a business location and assists foreign companies setting up in Germany.

Medical technology-specific information and support includes:

- Market research and industry reports
- Financing and incentives options
- Tax and legal information
- Regulatory and reimbursement information
- Matchmaking with industry and science
- Site selection

Readers of the Guide to German Medtech companies are invited to contact GTAI should they need any support on their way to becoming established in Germany. This publication is of great value to companies looking to find out who's who in the German medical technology sector as well as seeking partners in Germany. GTAI's expert team is ready to assist your search for joint-research and contract manufacturing-project candidates across the country.

Advantage Germany

German medical technology is cutting edge. Hundreds of companies – nearly all of them small or medium-sized – produce medical technology innovations across the entire spectrum of products. Many specialise in very specific fields of applications or types of products.

While these companies may focus on niche markets, they are often world market leaders in their respective fields. Moreover, they continuously strive to improve their existing products: one in three products on the market has been developed within the last three years, with companies investing around nine percent of turnover in R&D.

Close cooperation between Germany's manufacturers and hospitals, universities and a plethora of research institutes helps the country maintain its internationally unparalleled competitive edge. R&D projects in the medical technology sector can also count on numerous types of financial support in the form of grants, interest-reduced loans, and special partnership programmes.

Germany is home to more than 30 medical technology cluster networks. Their goal is to achieve continuous innovation in R&D – as well as in manufacturing – by connecting companies, hospitals, universities, and other research institutions.

Dedicated cluster management teams help obtain funding for joint R&D projects, provide shared facilities, and organise educational training programmes for their members. A detailed overview of the cluster networks can be obtained from GTAI. Individual company requests are welcome.

GTAI GERMANY TRADE & INVEST

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Health Made in Germany

Germany is one of the world's most important providers and exporters of healthcare products and services. The country's innovative medical products set international standards for quality, safety, and reliability. German manufacturers and service providers in all health and life sciences segments attract overseas customers and partners and deliver leadership in healthcare innovation.

HEALTH MADE IN GERMANY is the export initiative for the German healthcare industry. It supports international companies and organisations that are interested in establishing contact with potential German partners and suppliers. Set up by the German Federal Ministry for Economic Affairs and Energy (BMWi), the initiative bundles expert market intelligence for easy industry access. One of the initiative's main goals is to promote the German healthcare sector through international networking activities for the mutual benefit of international partners and German companies alike.

HEALTH MADE IN GERMANY does this by providing proactive support (including market and regulatory insight), introductory services, and networking platforms including trade events at home and abroad. The initiative serves four major industries active in the international medical market: pharmaceuticals, medical technology, medical biotechnology, and digital health care.

HEALTH MADE IN GERMANY also works closely with 16 major German industry associations and is part of the BMWi's MITTELSTAND GLOBAL umbrella program for small and medium-sized enterprises. The initiative is ideally placed to provide access to German healthcare market information and to help overseas businesses identify potential German partners.

The HEALTH MADE IN GERMANY initiative is implemented by Germany Trade & Invest, the economic development agency of the Federal Republic of Germany, on behalf of the BMWi.

For more information:
www.health-made-in-germany.com

Our support for your business:

- We publish market briefs, in-depth market studies and company directories of the German healthcare industry and its different sectors.
- Our calendar is regularly updated with the latest industry events in Germany and overseas.
- We provide free access to 3,500+ German healthcare companies with our online database. Detailed company profiles and direct contact information help international businesses to identify potential suppliers and partners in Germany
- We take part in leading healthcare trade fairs all over the world, organise networking events, and enjoy ongoing dialogue and exchange with international health policymakers.
- Visit www.health-made-in-germany.com for more information about the German healthcare industry and all HEALTH MADE IN GERMANY activities.

MITTELSTAND GLOBAL
HEALTH MADE IN GERMANY

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Picture: GTAI/Rheinfoto

BVMed – The German Medical Technology Association

As a trade association, BVMed promotes and represents the interests of more than 230 German and international industrial and commercial companies in the field of medical technology to politicians and the public. This is done by actively helping to shape laws, guidelines, regulations, and standards, as well as by information and public relations work. BVMed is the voice of the German medtech industry and, above all, of medtech small and medium-sized enterprises.

Our services include:

Organisation

BVMed offers its members a platform for constructive dialogue and the joint creation of framework conditions for the industry in more than 80 strategic and technological working committees. See the committee overview at www.bvmed.de/arbeitsgremien.

Advice and information

BVMed's experts assist members in legal, regulatory, political, and business issues through personal meetings, information networks, training courses, seminars, conferences, brochures, newsletters, and digital media. BVMed communicates the importance of medical technologies for patient care through campaigns and public relations work.

Representation

BVMed represents the interests of the medtech industry vis-à-vis political representatives at the EU, federal, and state level, such as the Federal Joint Committee, the Statutory Health Insurance umbrella organisation, and other health policy players. This is done at parliamentary hearings as well as consultations of the Federal Government, committee meetings, boards of trustees, commissions, background discussions, and other discussion formats.

Network

BVMed regularly conducts exchange formats on a variety of topics with actors involved in healthcare, for example with health insurance funds, the medical profession, hospitals and nursing care, purchasing groups, or patient representatives.

BVMed
Enhancing Health

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MEDICAL TECHNOLOGY in the German Industry Association SPECTARIS

SPECTARIS represents the interests of around 400 member companies in Germany, with four sector-specific associations in the areas of medical technology, optical technologies, and analytical, biological, laboratory and consumer optics. Through its political activities, public relations, and industry marketing, the association gives its members a voice, formulates new responsibilities, and opens up new markets. This ensures the international competitiveness of German industry in these sectors.

Core services

Lobbying | Industry Marketing – SPECTARIS promotes industry interests through our communication channels in politics, economics, science, and the media.
Market Research | Statistics – SPECTARIS creates substantial economic advantages through its national, European, and global market reviews and industry data.
Technology Consultation | Research Promotion – SPECTARIS' technological guidance guarantees access to monetary support programmes.
International Marketing | Promotion of Exports – SPECTARIS offers guidance on the global market and supports its members in securing international contacts.

In the medical technologies sector, SPECTARIS represents around 130 German capital goods and auxiliary aid companies who mostly produce high-tech products and have a pronounced export orientation. The member companies cover an extensive research and applications environment which includes medical products for diagnostic and surgery purposes, supply systems, and anesthesia and intensive care devices. The association also represents manufacturers of ophthalmic devices, large and small sterilisers, medical functional room equipment, respiratory home therapy, rehabilitation aids, and orthopedic technology.

The SPECTARIS trade association Medical Technology provides its members with support and information in various business areas and topics. In particular: financing, hygiene and processing, compliance, regulatory affairs, HTA, market access, research funding, and public affairs.

Chairman: Dr. Martin Leonhard, KARL STORZ SE & Co. KG; Vice-Chairman: Friedrich Schmitz, SCHMITZ u. Söhne GmbH & Co. KG; Vice-Chairman: Thorsten Weide, Drägerwerk AG & Co. KGaA

Global demand for German medical technology

- High significance of the European market: 41% of German medical technology exports go to countries within the European Union, a further 10.5% to the rest of Europe
- North America continues to be an important trade partner
- Demand is growing in Asia, particularly from the People's Republic of China
- €34.25 billion turnover (2020), domestic turnover: €11.72 billion, overseas turnover: €22,53 billion
- European medical technology industry: >67,000 companies, €107 bn turnover, 600,000 employees

MEDICAL TECHNOLOGY in the German Industry Association SPECTARIS

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VDMA – Working Group Medical Technology
Your network for success

The VDMA represents more than 3,400 German and European companies of the mechanical engineering industry. The industry stands for innovation, export orientation and medium-sized businesses. The companies employ around four million people in Europe, more than one million of them in Germany. Mechanical and plant engineering represents a European turnover volume of around 800 billion euros. With a net value added of around 270 billion euros, it contributes the highest share of the entire manufacturing sector to the European gross domestic product.

Production technology & components for medical products in focus

In the VDMA the fusion of machinery engineering and medical technology is manifold and offers tremendous potential for the future. The Working Group Medical Technology represents suppliers, manufacturers of production equipment, and all industry sectors active in the interdisciplinary field of medical technology within a joint platform. The Working Group is especially focused on pooling the heterogeneous interests of its members and providing an information platform for the companies, offering the opportunity to share and access relevant information.

With its huge network, the Working Group Medical Technology is in a position to recommend experts and to assist its members with fundamental issues. It offers market information for German and foreign markets, a comprehensive list of suppliers for the industry, activities for standardisation, and representation of political interest. Regular expert meetings and working groups provide information on various topics, including laws and regulations, production technology, components, and markets.

Another essential part of our activities is the substantive and organisational support of medical technology events through content or strategic partnerships and participation at national and international fairs: as one of the main supporters of the new medical technology fair **MedtecLIVE with T4M**, through a joint stand at Compamed and two German pavillons in China (Medtec China), and in the USA (MD&M West).

Assistance with research and development

Medical technology is an innovative and dynamically growing sector. Around one third of its sales are generated with products that were launched on the market less than three years ago. In order to constantly renew and expand their product ranges, manufacturers and suppliers invest huge efforts in research and development. Close cooperation among everyone involved – from research and development to the supply sector and the manufacturers of medical products – is extremely important in making sure this investment pays off. To aid this cooperation, VDMA's Working Group Medical Technology provides its members comprehensive support in developing partnerships and collaborations. For example, research institutes gain the opportunity to present their developments for medical technology to interested companies at roadshows. In addition, we regularly bring doctors and hospitals together with engineers to discuss the future challenges facing medicine and to help to drive new developments forward.

VDMA

Working Group
Medical Technology

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Forum MedTech Pharma e.V. – Europe's largest network for innovations in healthcare

In the development of innovations, cooperation agreements are an important factor for giving companies as well as research institutions a competitive edge over their rivals. This is one of the reasons why Forum MedTech Pharma e.V. was founded. Since then, the organization acts as a hub between research, business, clinics, and politics. Forum MedTech Pharma e.V. establishes networking platforms for all players in the healthcare sector, promotes cooperations between the different stakeholders, provides contacts as well as information and education on the latest trends and innovations.

- Our motto: Shaping the future of healthcare together
- Independent network for innovations in healthcare
- Approx. 500 member from industry, science and clinics from 12 countries

Our mission

Forum MedTech Pharma e.V. focuses on networking, creating cooperations and knowledge transfer. As an incubator for innovations in healthcare, we stimulate and moderate future topics and trends in the healthcare industry with various activities. Together with medicine, science and industry, we define solutions for a sustainable and healthy future. Our main topics are: Digitalization, Artificial Intelligence, Robotics, Regulatory Affairs, Sustainability, Market Access and Care.

Focus areas and projects

Within its main topics, the organization focuses on networking projects, a variety of events, and individual services. Attending exhibitions such as MEDICA with a joint booth, which offers small and mediumsized companies the opportunity to present their innovations in a targeted manner. Further focus areas are networking activities as well as a wide range of courses to further the education of our members and network.

- Innovation support through networking and knowledge transfer
- Expertise in subjectfocused events, projects and services
- Customized topics adjusted to the needs of our members and clients

National Community Portal Medtec Online

On behalf of the German Federal Ministry of Education and Research, we and our project partners have created a new type of platform for exchange, cooperation and innovation in the field of medical technology at medteconline.de. Medtec Online stimulates discussions, encourages networking and supports the transfer of ideas into projects. The Medtec Online community portal is freely available to everyone from the healthcare and medical technology sectors. Register at www.medteconline.de and network with other players of the community. www.medteconline.de

The network

With approx. 500 members, Forum MedTech Pharma e.V. is one of the leading cooperation networks in Europe. Its members – 70% companies, 12% research institutes, 8% hospitals, 7% associations and insurance funds, 3% law firms and lawyers – reflect the diverse nature of medicine and healthcare. Along with Germany, the association has members in nine other European countries, as well as in the United Kingdom, Australia, Japan and USA. In the 23 years since it was founded, Forum MedTech Pharma e.V. has welcomed over 30,000 delegates at more than 270 conferences and events. The speakers at the conferences support Forum MedTech Pharma e.V. with their knowledge – just like the entire board of directors, chaired by Professor Dr. Thomas Armin Schildhauer.

Forum MedTech Pharma

For more information:
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IVAM – The International Microtechnology Business Network

The IVAM Microtechnology Network unites people who are excited about key enabling technologies and the way these technologies shape our daily life and our future. As an international business network and technology marketing expert, IVAM connects professionals in the high-tech industries and supports them in bringing technologies and products to market and gaining a competitive edge in international competition. IVAM was founded in 1995 and is one of the most experienced and efficient high-tech industry networks in Germany.

Key enabling technologies: the driver of ever-accelerating change

Key enabling technologies such as microtechnology, MEMS, nanotechnology, photonics, and advanced materials have significantly accelerated innovation in the late 20th and early 21st century. These technologies have affected, improved, or fundamentally changed many areas of society, industry, and the economy – either by improving known products and processes or by triggering entirely new, previously unthought-of applications.

Looking forward, key enabling technologies will provide answers to urgent questions and solutions for global challenges resulting from ever-accelerating change. And they are essential for addressing and reacting to some of the mega trends of the 21st century. For instance, creating a smarter world through continuing digitisation will not be possible without microtechnology products such as sensors, actuators, or electronic components.

Many technologies that emerged in the 1990s, when IVAM began operating, have long since reached maturity. Consequently, technology suppliers today require support in marketing and finding customers. There is a growing need to access international markets. IVAM provides members and customers with business opportunities and international platforms for exchanging knowledge, initiating collaboration, and doing business with each other and with their customers.

Networking and business support worldwide

Medical technology has been the most profitable market for microtechnology suppliers in recent years, and and its growth is continuing. IVAM has established joint trade fair pavilions at some of the most important medical suppliers' trade shows worldwide, such as COMPAMED (DE), MD&M West (US), Medical Manufacturing Asia, MMA, in Singapore, and China International Medical Equipment Fair, CMEF, (CN). In order to push business opportunities even further, IVAM arranges B2B meetings where innovative companies can exchange experience, discuss business ideas, and kick off joint projects. IVAM matches possible business partners and makes appointments, e.g. during trade shows, combined with workshops, conferences, or company visits, and in cooperation with international partner organisations.

IVAM.

For more information:
IVAM Microtechnology Network
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Life Science Nord – Home of Health Innovation

Cluster Profile

The Life Science Nord Cluster in the federal states of Hamburg and Schleswig-Holstein embraces over 500 biotechnology, pharmaceutical and medical technology companies, clinics and research institutes. About 52,800 employees work in the health industry of Northern Germany*.

In medical technology, Life Science Nord is one of the strongest regions in Germany. Particular features of the cluster are the broad business base and the complete value chains from basic and applied research to clinical studies and the marketable end product.

The outstanding, close cooperation between researchers, clinicians and industrial partners in many fields is reflected in innovative products, projects and technologies.

Over 270 Members, one Common Goal

The cluster management organisation Life Science Nord was set up by the Northern German federal states of Hamburg and Schleswig-Holstein to develop the cluster into a leading international life science network. The cluster agency Life Science Nord Management GmbH and the association Life Science Nord e.V. work together to achieve that goal.

More than 270 regional companies and institutions from the healthcare sector are active members of Life Science Nord. All members benefit from numerous competitive services and activities to promote regional networking, exchange experience and know-how, and jointly represent the life science sector of the two northernmost German federated states on a national and international level.

In 2021, Life Science Nord was awarded the Gold Label of the European Cluster Excellence Initiative for the third time in a row.

*According to WifOR Study for 2018

What Life Science Nord offers:

- Comprehensive support in initiating innovative projects, arranging contacts to experts and providing know-how
- Fast and uncomplicated access to regional, national and EU funding programmes
- Admitting members to the network and helping them position themselves within the Life Science Nord Cluster
- Extensive opportunities for collaboration within an international industry network
- Participation in leading international and national industry trade shows
- Providing data on business and technological capabilities in medical technology, biotechnology and pharma in Northern Germany
- Providing the latest information on developments in business and science
- Access to platforms on which the cluster players can exchange information and which support the dissemination of new developments in the cluster. This also includes the online newsletter and the Life Science Nord print magazine, both of which can be subscribed to via the website free of charge, as well as promoting cluster related news via social media networks.

For more information:
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20251 Hamburg, Germany
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→ www.lifesciencenord.de

MedicalMountains – a strong network for a successful future

Baden-Württemberg is one of the leading locations in the medical technology sector. Its attractiveness reaches far beyond the country's borders. The district of Tuttlingen alone counts a concentration of more than 400 enterprises of the sector. For this reason, the region is also known as the "World Centre of Medical Technology". For many years, tradition and innovation have gone global from here.

Nonetheless the strongly regulated market and an intensely competitive environment raise permanent challenges for the sector. That is why a well-focused management of continuous advancement and an innovative network are an indispensable basis for long-term global success.

Success factor innovation – ideas that build bridges to the future

We are MedicalMountains: A cluster initiative for the medtech industry based in the heart of the World Centre of Medical Technology.

Shareholders of the MedicalMountains GmbH are the Schwarzwald-Baar-Heuberg Chamber of Commerce and Industry, the Tuttlingen District, the NMI Natural and Medical Sciences Institute at the University of Tübingen, the Surgical Mechanics Guild Baden-Württemberg, the Hahn Schickard Society for Applied Research, the Chamber of Crafts Constance and the city of Tuttlingen.

Our particular interest is to strengthen innovative capacity and long-term competitiveness, both for single companies as well as for the entire medical technology business cluster.

For this purpose we actively represent the interests of medtech enterprises on a political level, encourage innovation and technology transfer by directing work groups or R&D projects, organise training seminars and other informative events, and provide support for other service topics such as internationalisation or common marketing activities, amongst others.

MedicalMountains – more than just a loose affiliation of companies

The companies of the cluster consist of more than 90% small businesses and mid-sized companies, making the importance of the network even more crucial now than ever before. The medical sector is experiencing constant change and increasing competition worldwide. For companies of any size, collaboration and exchange with regional partners brings immense knowledge and a lead in technology – as well as enhancing the appreciation of the location for the region itself. MedicalMountains brings order to this natural, mutual structure. Future-oriented, prudent management is the basis for effective, constructive and farsighted developments in medical technology.

In collaboration with a growing network of industry, research institutions and government policies, the cluster initiative MedicalMountains actively represents the interests of medtech enterprises. The focus of the cluster initiative is to promote growth, strengthen competitive advantages, and increase the sector's international visibility even further. For this purpose MedicalMountains provides a platform for regular dialogue and technology transfer. It brings forward innovation by initiating directed project works, promotes qualification of specialised staff, and advises on subsidies or the opening up of new foreign markets. Our way of working is based on a close collaboration with the companies of our network.

MedicalMountains

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CEO MedicalMountains GmbH

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Cluster of excellence – Medical Valley EMN

The Medical Valley European Metropolitan Region Nuremberg (EMN) Association is an internationally leading innovation ecosystem in the area of healthcare management.

Highly specialised research institutions, international leaders, and at the same time many growing companies: all of them are active here. They cooperate closely with world-renowned health research institutions in order to jointly *find solutions for the challenges of health care today and tomorrow*.

This extraordinary concentration of players, combined with the international market and competitive position of individual actors, plus the unique infrastructures and services, all provide the conditions that allow ideas to be turned into products, processes, and services more quickly.

The Medical Valley European Metropolitan Region Nuremberg (EMN) Association currently has 230 members from business, science, healthcare, networks, and politics and has been contributing to the further development, coordination, and marketing of this eco system since 2007.

The nationally and internationally outstanding position of this economically strong region was additionally strengthened in January 2010 when it was *designated a "National Top Cluster" for medical technology by the Federal Ministry of Education and Research (BMBF)*.

In April 2017, Medical Valley, in cooperation with the Zollhof Tech Incubator and the Health Hackers, was named one of twelve national "*Digital Hubs*" by the Federal Ministry for Economic Affairs and Energy – the only one that focuses exclusively on health.

Furthermore, Medical Valley EMN is a member of the consortium of EITHealth, a consolidation of European partners, that develops – within the scope of Horizon 2020 – new solutions related to the topics "Promote Healthy Living", "Support Active Ageing", and "Improve Healthcare". With a budget of up to €80m p.a. for the next 7 to 15 years EIT Health is currently one of the largest health research programmes worldwide.

In 2019 the dmac – Digital Health Application Center was founded in Bamberg. dmac is another essential hub in the Medical Valley eco system and offers support and expertise for companies on their way to the digital medicine of today and tomorrow.

In 2021, with the founding of the Institute for Healthcare Robotics and Automation, short IFOHRA, another component of the Medical Valley Center Bamberg followed. IFOHRA accompanies hospitals and other healthcare providers in the technological transformation process, especially in the implementation of automation and robotics solutions. IFOHRA also supports manufacturers of innovative automation solutions in gaining access to the German healthcare market.

Contact the cluster for more information:

MEDICAL VALLEY

For more information:
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microTEC Südwest – High-tech solutions for health

Our cluster

The leading-edge cluster microTEC Südwest e.V. is the competence and cooperation network for intelligent microsystems technology solutions for Europe and the contact for microsystems technology in Baden-Wuerttemberg. The cluster has set itself the task of expanding Baden-Wuerttemberg's internationally impressive position in the field of microsystems technology.
The cluster currently has about 120 members covering up the complete range from startups, to small and medium-sized enterprises, up to large enterprises, research institutions, and universities as well as further institutions.

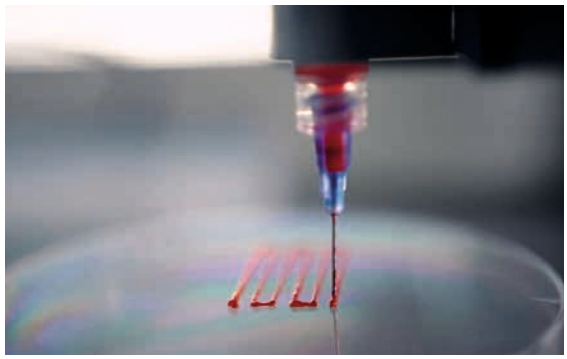
Mission and topics

The mission of microTEC Südwest is the stimulation and promotion of cooperations in microsystems technology, utilising synergies and leading to economic dynamics. Our focus is on health (Smart Health) and production (Smart Production). Further activities address topics such as Smart Home, Smart Energy, and the Internet of Things.
In five different expert groups, microTEC Südwest bundles its expertise in order to jointly produce innovations in the field of microsystems technology.

Smart health

The expert group in vitro diagnostics aims to promote the transfer of technology and knowledge between research and industry in the field of in vitro diagnostics, including e.g. the application focus of decentralised testing/point-of-care diagnostics. Topics of the latest expert group meetings include e.g. Big Data for Next Generation Sequencing, telemedicine, and patient self-tests.

The expert group micro medical technology focuses on the development of useful and safe products in the field of micro medical technology. It is thus committed to the research, development, approval, and reimbursement of these products, more specific diagnostic procedures, more effective therapies, and aids for rehabilitation



suitable for everyday use. Topics dealt with in the group include e.g. artificial intelligence at active implants, market trends, and minimally invasive diagnostics.

microTEC Südwest has been involved in different medical technology projects. An outstanding example is the project 3D Bio-Net, in which a 3D-bioprinter, suitable for multimaterial printing has been developed. Excellent results have been achieved in printing human tissues together with blood vessels. In addition, it was possible to print tailor-made and perfused microfluidic chips (for kidney & skin). This is an essential success in the development of persistent and vital organ models.

microTEC Südwest

For more information:
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Emmy-Noether-Str. 2
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→ www.microtec-suedwest.de

Picture: Jonas Neugebauer


Video
Production
Our videos tell stories. The people behind research and development come to life. We combine the essence of film – tension, atmosphere, emotion – with the precise information of science communication. Our unique videos facilitate access to the life sciences while at the same time attracting attention and imparting knowledge.
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MMM Group

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toolcraft

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TRUMPF

TYROLIT

LINK

Kammerer
Medical Group

WILD

WIRTHWEIN
MEDICAL

ZECHA
GERMANY

The shortage of skilled labour is a serious obstacle to growth for businesses in many European countries. At the same time, in many places well-qualified people are looking for a job – they might even want to work in another European country. Unfortunately, the labour markets in Europe are very diverse. How do I find a new job or a new employee? Now, there is an easy solution: **eurobiotechjobs.net**, the new, Europe-wide job market for biotechnology and the life sciences. Presented by the European Biotechnology Network.

eurobiotechjobs.net

Profiles of German Medtech Companies

Anderson Group

Anderson Europe GmbH

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Postal Code/City › **32758 Detmold**
State › **North-Rhine Westphalia**
Contact Person › **Alfred Könemann**
Telephone › **+49-5231-9663-0**
Fax › **+49-5231-9663-11**
Email › **sales@andersoneurope.com**
Website › **www.andersoneurope.com**
Social Media ›
Number of Employees › **19**
Founded (year) › **1953**

Areas of Activity › **Mechanical engineering, Service**

Annual Turnover › **€4m**

At Anderson Europe GmbH, we orient ourselves to the wishes and expectations of the customers, as well as to official and legal requirements. The fulfillment of these wishes and expectations is the basis for our success, because only satisfied customers will be our customers in the future. The company Anderson Europe GmbH has committed to a quality management system according to DIN EN ISO 9001:2015 and to continuously improving upon our achievements.

We are a developer and manufacturer of CNC-controlled precision machining centre for the international market, located in Detmold, Germany.

“Made in Germany”

Our products and services have a high quality standard by definition, from the development to the design to the production and further to the distribution to the customer. At Anderson Europe, quality starts with the first contact with the customer. Our customers define and determine our daily actions, through the requirements and expectations placed upon us.

The precision and reliability of our products is the result of decades of experience in the manufacture of high-precision machines.

Our milling machines have a machine base made of natural granite and offer you the highest rigidity and thermostability.

Member of

VDMA
Working Group Medical Technology

ANDERSON EUROPE

These factors make it possible to produce components within µ-tolerances, for the micro-technical fields of precision mechanics, medical technology, and plastics processing, with 3, 4, or 5 axes – of course also combinable with an automation solution. At Anderson Europe, we face a wide variety of challenges, always with a focus on providing the best possible support to our customers. It is not uncommon for a project to begin with milling trials on the machine. Here, the entire Anderson Europe team supports the project participants, and cross-departmental tasks are the order of the day.

We meticulously refine the precision machining of ceramics, non-ferrous metals, tool steels, and plastics. With a good dozen experts, we operate completely independently.

For us, honest dealings on an equal level are the guarantee for a partnership-based cooperation with our customers, suppliers, and employees.

Name › B Medical Systems

Address/P.O. Box › 17 Op Der Hei
Postal Code/City › 9809 Hosingen
Country › Luxembourg
Contact Person › Julian Precht
Telephone › +352-92-0731-1
Email › julian.precht@bmedicalsystems.com
Website › www.bmedicalsystems.com
Social Media ›
Number of Employees › 200-500
Founded (year) › 1979

Areas of Activity ›
- Vaccine Cold Chain
- Medical Refrigeration
- Blood Management Solutions

Who is B Medical Systems

B Medical Systems is a global manufacturer and distributor of medical cold chain solutions. Based in Hosingen, Luxembourg, B Medical Systems is the global market leader in the vaccine cold chain and is a recognised innovator in the medical refrigeration industry. The company manufactures and distributes medical refrigeration solutions such as vaccine refrigerators, laboratory/pharmacy/blood refrigerators, lab/plasma freezers, contact shock freezers, ultra-low freezers, and transport boxes for medical grade storage and transport purposes across the world. All products are Class I or Class II(a) certified medical devices as per EU MDR regulations.

A wide range of medical refrigeration solutions

Alongside its product lines for the Vaccine Cold Chain and the Blood Management solutions, B Medical Systems develops medical refrigeration solutions for research laboratories, universities, biobanks, pharmacies, and hospitals. The Pharmacy and Laboratory Refrigerators are designed to store vaccines, medicines, and samples at a temperature range of 2° C to 8° C, while the Laboratory Freezers can ensure a reliable storage at temperatures ranging from -41°C to -20°C. For ultra-cold temperature needs, B Medical Systems' Ultra-Low Freezers can easily reach temperatures ranging from -86°C to -20°C.

All these products have integrated remote monitoring and alarm systems allowing the safe storage of the specimens. Moreover, the high-quality materials used ensure better longevity and easy hygiene control, while the excellent storage capacity and modularity of the units allow the customers to make the best use of all the space available.

Reliable transport solutions

B Medical Systems also provides transport solutions for the safe transport of vaccines and biological specimens. The model ranges include five passive transport boxes with different storage volumes and one active transport refrigerator working with a compressor. These models are ideal for intensive use with many transport applications across various temperature ranges (-80°Cto +8° C), even under difficult ambient conditions.

The COVID-19 emergency

Since the beginning of the COVID-19 pandemic, B Medical Systems has been hard at work with various governments and organisations to prepare a cold chain infrastructure to support their immunisation campaigns, whatever the temperature requirements of the vaccines used may be. The company's highly reliable Ultra-Low Freezers have been in high demand as they are able to cover a broad range of temperature prerequisites varying from -86°C to -20°C, while B Medical Systems' Laboratory Refrigerators can be used for the more common specifications ranging from 2° C to 8° C.

BALLUFF

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State › Baden-Wuerttemberg
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Martin Kurz (Strategy Manager Life Science, global)
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Email › balluff@balluff.de
Website › balluff.com
Social Media ›

Number of Employees › 3600
Founded (year) › 1921

Areas of Activity › Balluff is a leading supplier of high-quality sensor, identification, and image processing solutions, including network technology and software for all automation requirements

Opening up new perspectives

Balluff is a leading supplier of high-quality sensor, identification, and image processing solutions, including network technology and software for all automation requirements. Family-run for more than 100 years, the company employs 3600 employees in 38 subsidiaries with distribution, production, and development sites worldwide, all working towards your success. Together with our branches in more than 60 countries, we guarantee the highest quality standards worldwide. This is how we empower you to always receive the best for your success.

We give our all to provide top services for innovative solutions that increase your competitive edge. Our consistent digital orientation is the driver of our progress, and our expertise is the success factor for our customers. We live our motto ‘innovating automation’: we are automation pacesetters, developers, and technological pioneers. In open interactions with associations, universities, and research facilities, and in close contact with our customers, we create new industry solutions for automation. As a future-oriented company, we not only focus on the traditional areas of automation, but are also dedicated to developing holistic applications for an increasingly digital and connected world.

Quality standards in assembly automation

Today, modern, application-optimised assembly machines are used for the precise and error-free assembly of medical technology components. With Balluff, you can successfully implement such intelligent production and smart manufacturing. Our sensors and interface components make a critical contribution to reliability of automated assembly processes.

Member of

VDMA Working Group Medical Technology

microTEC Südwest

Efficient processes in laboratory automation

When you require automated laboratory technology for transporting and processing samples in very confined spaces, Balluff provides you with optimal solutions for all fields of application in laboratory automation – with perfect interaction between optical and other sensor technology, miniaturised electronics, and precision mechanical components. Whether you want to detect and track objects or focus on efficient liquid handling, our sensors put you ahead – as important components of automated sample feeding and removal, as well as the dosing of sample material, or the analysis of liquids.

Innovation and reliability in medical devices

Medical devices are expensive capital goods whose reliability and precision must be ensured even after years of use. Using standardised general industry sensor components, medical device manufacturers create economical complete systems and qualify them for the medical technology sector. Thanks to the miniaturised design of the sensors, decisive advantages can be achieved in the dimensioning of the overall system.

BAYOOMED MEDICAL SOFTWARE

Name › **BAYOONET AG**

Address/P.O. Box › **Europaplatz 5**
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State › **Hesse**
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Fax › **+49-6151-8618-150**
Email › **sales@bayoo.net**
Website › **www.bayoomed.com**
Social Media › **in**
Founded (year) › **2001**

Areas of Activity ›
- **Medical**
- **Healthcare**
- **Application**
- **Software**

BAYOOMED medical software

BAYOOMED is the medical software division of BAYOONET AG and specialized on the development of medical apps and medical (standalone-) software. BAYOOMED is one of the most experienced medical software engineering companies in Europe, serves more than 800 customers and has more than 25 years of extensive project experience in software development in the highly regulated pharmaceutical and medical industry.

mHealth/eHealth

BAYOOMED has expertise in the development of MHEALTH / EHEALTH applications in iOS (iPhone & iPAD) and Android for the medical device classes I, IIb, and III as well as for the software safety classes B & C.

ISO 13485 certified

We are certified by TÜV Hessen according to ISO 9001 and ISO 13485 and develop software in accordance with IEC 62304. We support our customers in all software-product lifecycle phases for standalone software, embedded solutions and medical apps:

- setting up evaluable and verifiable requirements
- creation of specifications and requirement specifications
- software architecture and design
- Controlling of external soft- and hardware service providers (off-shore development)
- training of internal software developers (hands-on training and code review)
- development of critical modules or the entire application
- creation of a QM system for software
- hardware connectivity (e.g. laser, radiography, blood pressure, ultrasound, imaging, ventilation, surgical technique & facility, etc.)
- risk management in accordance with ISO 14971
- validation and verification
- unit testing and manual testing
- creation of technical documentation
- release in app stores

Member of

MedicalMountains · MEDICAL VALLEY Europäische Metropolregion Nürnberg · MedTech Pharma

- CE Mark/ FDA approval
- approval & market observation

CE labelling & FDA approval

For more than 21 years BAYOOSOFT Risk Manager (www.riskmanager.net) has been the worldwide market leader and validated software solution for the technical documentation of medical devices. BAYOOSOFT Risk Manager is compliant with FDA 21 CFR Part 11 and creates the risk management file (ISO 14971), the usability engineering file (EN 62366), the conformity report for medical electrical equipment (IEC 60601-1), as well as the essential requirements in accordance with MDR 2017/745 and IVDR 2017/746. The solution provides full coverage of the process Clinical Evaluation MDR 2017/745 & MEDDEV 2.7.21 rev 4 and offers an intuitive way to identify, evaluate, and analyse relevant data for the final report. The validated approval accelerator generates technical documentation conveniently and reliably for medical devices and in-vitro diagnostic products.

Medical data protection

Since 2008 the Access Manager (www.accessmanager.net) has provided a transparent and simple software solution for access and identity management for fileservers, SharePoint, and Active Directory for medical device manufacturers, pharma, and hospitals. Especially for highly sensitive medical & patient data, it ensures information security by continuously monitoring access rights and an audit trail over all authorisation changes. Using the Access Manager, there is no longer any need to carry out time-consuming processes manually, such as assigning and removing rights, setting up new, protected directories or creating reports on existing access permissions.

Free trial version & online presentation

We would be happy to introduce you to the performance of our products and our competence in medical software engineering services in a free online presentation.

Additional information about us and a free trial version of BAYOOSOFT Risk Manager are available at www.riskmanager.net.

medical forge

Name › **MEDICAL FORGE by biosaxony**

Address/P.O. Box › **Deutscher Platz 5c**
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State › **Saxony**
Contact Person › **Simone Haubner**
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Email › **medicalforge@biosaxony.com**
Website › **www.medicalforge.de**

Areas of Activity ›
- **Startup accelerator for smart medical devices and therapies**
- **Coworking laboratory**
- **Regulatory affairs coaching**
- **Access to clinical experts**
- **Support of technology-orientated startups**

The MEDICAL FORGE – bridging the gap between start-ups and clinics

The MEDICAL FORGE Leipzig supports innovative start-ups and SMEs to bring their medical products faster to the German healthcare market. The customised 12- month programme focuses on regulatory requirements and reimbursement issues for medical devices in the EU as well as clinical implementation at the local healthcare providers.

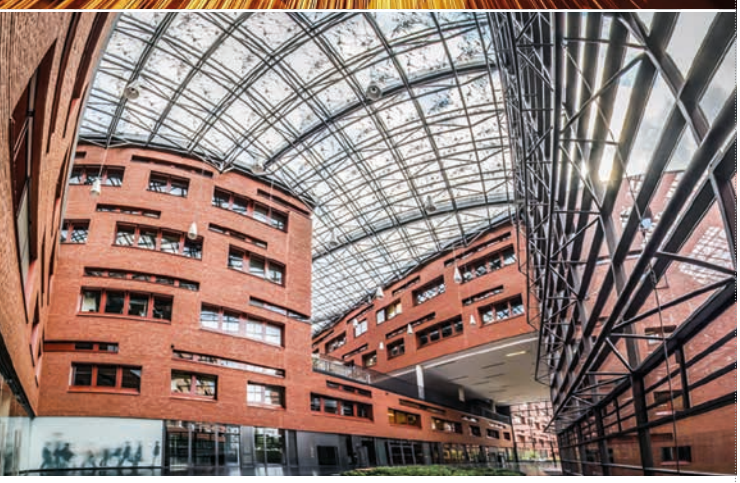
The programme offers you 12 months of intensive regulatory affairs coaching, state-of-the-art coworking laboratories, maker space including electronic workstations and an HP 3D-printer, coworking office space, as well as access to an extensive network of hospitals and industry experts.

The comprehensive service package of the MEDICAL FORGE Leipzig has an overall value of 210,000 Euro. The programme is supported by the Federal Ministry for Economic Affairs and Energy on the basis of a decision by the German Bundestag. You have to provide 21,000 Euro of your own capital. However, if you establish a permanent representative office in Leipzig during or after the programme, this contribution can be reimbursed. You don't have to give up any company shares.

Medtech innovation at the heart of Europe

Leipzig is one of the fastest growing cities in Germany and the EU with currently 600,000 inhabitants. The metropolitan region has about 2.25 million inhabitants. Leipzig is one of the most popular German student cities and its universities count about 40,000 students annually, including a large medical faculty.

Due to its central location at the heart of Europe, Leipzig has excellent logistics connections, including one of only three global DHL hubs.



BioCity Campus – home to life sciences and healthcare

The MEDICAL FORGE is located at the BioCity Campus. The BioCity Campus is the living, beating heart of life sciences in the region. The campus is home to numerous life sciences companies and several research institutes, including the Centre for Biotechnology and Biomedicine of Leipzig University as well as the renowned Fraunhofer Institute for Cell Therapy and Immunology. Still, there are 100,000 square metres of brownfield and greenfield opportunities for future development.

biosaxony – Saxony's biotech, medtech, and health economy cluster

The MEDICAL FORGE is a project of biosaxony, the cluster association for biotechnology, medical technology, and the healthcare industry in Saxony. Its over 140 members include companies, scientific institutions, clinics, health insurers, as well as lobbyists and suppliers in the industry. The cluster's task is to interlink business, science, and applied research to increase the added value in this innovative cross-sectoral area.

Forge your way to the German healthcare market with us!

cicor

Name › Cicor Group

Address/P.O. Box › Gebenloostrasse 15
Postal Code/City › 9552 Bronschhofen
Country › Switzerland
Telephone › +41-71-91373-00
Fax › +41-71-91373-01
Email › info@cicor.com
Website › www.cicor.com
Social Media ›

Number of Employees › 2,200 worldwide
Founded (year) › 1966

Areas of Activity ›
- Engineering and test engineering
- Printed circuit boards
- Thin-film and thick-film substrates
- Electronic manufacturing services
- Microelectronic assembly
- Box building
- Tool design and fabrication
- Plastic injection molding
- 3D-MID
- Printed electronics

Annual Turnover › CHF 215m (2020)

Cicor Group – your technology partner

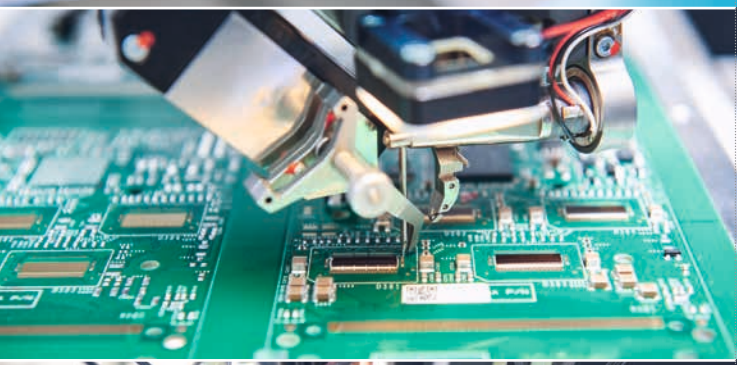
The Cicor Group is a globally active development and manufacturing partner with innovative technology solutions for the electronics industry. With about 2,200 employees at eleven production sites, Cicor offers highly complex printed circuit boards, hybrid circuits and printed electronics as well as comprehensive electronic manufacturing services (EMS) including microelectronic assembly and plastic injection moulding.

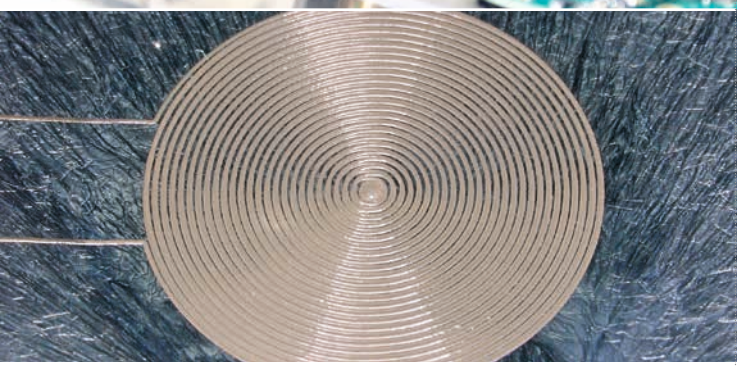
Customised solutions

Cicor works together with customers to develop innovative products and offers solutions that meet the needs of the market, reflect the latest trends, and convince through their application. Cicor's broad portfolio of innovative technologies, services, and global production capacities offers the right solution for even the most demanding requirements, such as high-tech and high-reliability applications. Thanks to a focus on consistent quality and maximum traceability, rapid prototyping, flexible choice of materials, miniaturisation, as well as development and assembly services, Cicor is able to meet the requirements for medical devices by using new ideas and cutting-edge solutions. Cicor supports its customers starting in the planning stage and provides the best outsourcing solution, tailored to the specific needs. Cicor is your technology partner over the entire product lifecycle, from product development through series production to after-sales service.

One-stop shop for electronics and precision plastics solutions

Cicor is an EMS provider with an international footprint and a broad range of production capabilities in printed circuit board assembly, system assembly and box building, control cabinet construction, cable assembly, and in the areas of tool design and fabrication as well as precision plastic injection moulding. Cicor offers complete outsourcing solutions for the development and manufacturing of complete electronic devices and systems. As a company with global operations in Switzerland, Germany, Romania, Singapore, Vietnam, Indonesia, and China, Cicor employs its synergies to offer solutions based on long-term know-how.





Innovative power through technological expertise

As a leading manufacturer of sophisticated microelectronics and high-quality substrates, Cicor is able to provide a broad range of products and services of the highest standards. In the area of microelectronics, Cicor offers state-of-the-art assembly and packaging technologies under clean room conditions. In the field of substrate manufacturing, Cicor is characterised by the production of highly complex rigid, rigid-flexible, and flexible printed circuit boards and substrates using thin-and thick-film technology. Cicor works closely with its customers to develop and manufacture sophisticated products, ranging from prototypes to large-scale serial production. Cicor also offers a high degree of process stability, consistent top-quality, and absolute delivery reliability.

Sophisticated implants

Cicor manufactures complex circuits of various materials and realises ultrafine structures, which can be less than 0.02 mm thick despite having a high functional density. Using CiP (chip in polymer/plastic) technology, the overall thickness of chip packages can be reduced to between 60 and 100 µm. State-of-the-art technology makes it possible to manufacture multilayer circuits from biocompatible materials or stretchable components in conjunction with multilayer technology on flexible substrates.

Printed electronics

With the opening of a technology center for printed electronics in Bronschhofen, Cicor is able to offer innovative solutions in addition to proven technologies to its customers. Flexible additive manufacturing processes play a key role in substrate manufacturing and connection technology. The unique printing technology used by Cicor, enables a wide range of conductive, non-conductive and biocompatible materials to be printed on a wide range of substrates and forms.

CONZE

Name › **CONZE Informatik GmbH**

Address/P.O. Box › **Friedrichstrasse 18**
Postal Code/City › **57072 Siegen**
State › **North-Rhine Westphalia**
Contact Person › **Magnus Theile**
Telephone › **+49-271-24-00-98-50**
Fax › **+49-271-24-00-98-80**
Email › **info@conze.com**
Website › **www.conze.com**
Social Media ›

Number of Employees › **42**
Founded (year) › **2009**

Areas of Activity ›
- **User Interface Engineering**
- **GUI Layer**
- **Desktop and Embedded Software Engineering**
- **Development and Prototyping**
- **C++, C#, .NET Framework/Core, WIN UI, MFC, WPF, UWP, Qt, ASP.NET Core, Angular, React Native, Flutter**
- **CI-/CD tools like Build-Server and Docker Container**

External Collaborations ›
- **University of Siegen**
- **Brancheninitiative Gesundheitswirtschaft Südwestfalen**
- **Forum MedTech Pharma**

Healthcare, your perfection. Software, our passion.

CONZE Informatik GmbH is a specialist for user interface engineering. For more than 10 years CONZE developed graphical user interfaces (GUI; HMIs = Human Machine Interfaces) for sophisticated devices and software systems. Its focus is on the areas of medical technology and healthcare. Thanks to years of experience and a high degree of academisation, the 42-member team knows what is important about controlling complex hardware with software.

CONZE operates as the digital workbench of its customers' HMI departments. It implements UI/UX concepts as well as visual designs as a professional graphical user interface of the customer's software. The result is a successful balancing act of technical feasibility, the greatest possible range of functions, highest performance, robust stability, and at the same time smooth operability of the software.

Competence from the digital workbench

As a well-established remote team, CONZE expands the workforce of its customers. On request, customers can increase their own team by using the CONZE pool of development, project lead, and project management:

- The development team contributes well-founded GUI and programming know-how.
- Their project lead controls and coordinates both its own team and, if desired, the customer's team throughout the entire project.
- The transparent, cost- and performance-optimised project management makes a clear statement about status quo, budget, and resources at any time within the project. It identifies bottlenecks or even risks at the earliest stage in order to react flexibly to changing requirements and actively presents an appropriate

Member of

solution. Thus, the team manages the daily balancing act between process-critical solutions in medical technology, user-friendly product design, and compliance with legal regulations. This way of working allows the consistent development of international, market-ready software solutions of high quality according to the highest standards.

Quality management and safety

In order to guarantee and verify the high quality and safety standards of medical technology, CONZE's quality management is certified by TÜV Rheinland according to DIN EN ISO 9001:2015. In addition, CONZE complies with DIN EN ISO 13485:2016 (Medical devices – Quality management systems; Requirements for regulatory purposes), IEC 62304:2016 (Medical device software – Software life-cycle processes), DIN EN ISO 14971:2020 (Medical devices – Application of risk management to medical devices), and IEC 62366-1:2017 (Application of usability engineering to medical devices). The software specialists thus guarantee and verify their high quality and safety standards in medical technology.

The innovative strength of tomorrow

As a cooperation partner of the University of Siegen, CONZE is involved in the research of the Chairs of Life Sciences, Medical Computer Science, and Human Computer Interaction. In this way, the international character of the research and the flow of knowledge are expanded in the long term.

Get in touch!

Benefit from experience and knowledge in the field of User Interface Engineering. Talk to the CONZE experts about your current or future software project.

HMI Development for Medical Software

- GUI & HMI
- Desktop & Embedded
- 3D Engines
- C++, C#, .NET, WPF, Qt, ASP.NET Core, Angular, React Native, Flutter
- ISO 9001:2015
- ISO 13485, IEC 62304, ISO 14971, IEC 62366

TÜVRheinland CERTIFIED
Management System ISO 9001:2015
www.tuv.com ID 9108630490

Name › **CSA Group**

Address/P.O. Box › **Weismüllerstrasse 45**
Postal Code/City › **60314 Frankfurt am Main**
State › **Hesse**
Contact Person › **Marcel Lavèn**
Telephone › **+49-151-188-29-506**
Email › **Marcel.Laven@csagroup.org**
Website › **www.csagroup.org**
Social Media ›
Number of Employees › **ca. 2,000 worldwide**
Founded (year) › **1919**

Areas of Activity ›
- **Product Testing Inspection and Certification**
- **Standards Development**
- **Global Market Access**

About CSA Group

CSA Group is a global organisation dedicated to safety, social good, and sustainability. We are a leader in standards development and in the testing, inspection, and certification of products around the world including Canada, the U.S., Europe, and Asia.
Our areas of focus for testing, inspection, and certification services are the healthcare, industrial, home, and commercial industries.

Testing & certification services for the healthcare industry

Accredited as a National Certification Body (NCB) through the IECEE CB scheme and recognised by Authorities Having Jurisdiction (AHJ), we offer leading healthcare systems conformity assessment services, as well as testing and certification to leading international standards, such as IEC 60601-1, including the collateral standards and the applicable particular standards, and IEC 61010-1 with the applicable particular standards.

Our technical knowledge of medical electrical equipment and systems, and laboratory & measurement equipment, along with our knowledge of the compliance requirements in major world markets, work together to help you remove barriers to global market access.

CSA Group offers a comprehensive safety and compliance testing service offering. We offer testing and risk management evaluations throughout the product lifecycle and can offer tests for:

- Electrical safety
- Electromagnetic compatibility (EMC)
- Cybersecurity
- Interoperability
- Wireless applications
- Global market access
- Coexistence testing services

Member of

MedicalMountains

Medical electrical equipment and systems

Medical electrical equipment and systems offer invaluable benefits but can also present great health and privacy risks through flawed design or malfunction. The experts at CSA Group can help you identify and resolve risks so you can safely and confidently go to market.

We provide standards, testing, and certification for a wide array of medical electrical equipment and systems for:

- Patient Monitoring
- Diagnostic Imaging
- Medical Robotic

  etc.

and products such as:

- CT Scanners
- Incubators

  etc.

Laboratory & measurement

Take advantage of CSA Group's healthcare industry expertise to prepare your laboratory, control, and measurement equipment for the global market with fast and reliable services.

Laboratory and measurement equipment must meet demanding standards for precision and reliability. Trust CSA Group experts to help you identify and resolve flaws so you can confidently go to market.

We provide testing, certification, and standards solutions for a wide range of laboratory, control, and measurement equipment, such as:

- Centrifuges
- Autoclaves
- Mass Spectrometers
- In-vitro Diagnostic Equipment
- Multimeters

ENDOSMART®
Nitinol in its best shape.

Name › **ENDOSMART® Gesellschaft für Medizintechnik mbH**

Address/P.O. Box › **Wilhelm-Schickard-Str. 9c**
Postal Code/City › **76131 Karlsruhe**
State › **Baden-Wuerttemberg**
Contact Person › **Sales Department**
Telephone › **+49-721-957-967-000**
Email › **sales@endosmart.de**
Website › **www.endosmart.de**
Social Media › **in X**
Number of Employees › **90**
Founded (year) › **2002**

ENDOSMART® – Your partner for NITINOL SOLUTIONS and SERVICES

Nitinol is our multitalent! For decades, this smart material has been used in a wide variety of medical technology applications. The reason for this is the unique property of the material to return to its original shape under the right conditions.

Our vision is to develop and manufacture innovative instruments and implants that reduce the burden on patients to a minimum. This is made possible by our extensive knowledge about the material Nitinol and its processing possibilities.

For 20 years, we have been living up to this claim and manufacturing high-quality medical products on behalf of our partners. In addition to patient safety, our focus is on long-term partnerships with our clients.

The offer of our nearly 100-strong ENDOSMART® team includes an all-round service: conceptual design of your idea – development of prototypes – series production at our manufacturing site in Stutensee – and support during the approval process. We are your Nitinol expert!

PROCESSING OF NITINOL

Nitinol requires special treatment. While the processing of other materials is usually unproblematic, with Nitinol the main focus must be on maintaining the temperature-dependent properties. If the material is deformed in a cool state, it will return to its original shape after heating. Some processes can irreversibly damage both the material and the mould. Moreover, massive wear occurs when machining nitinol. Constant (uneconomical) tool changes are the result.

The use of Nitinol in medical technology in the form of instruments and implants also usually requires special surface treatment.

Our team has built up extensive expertise in the processing of Nitinol over 20 years. Not only does the success of

Member of

MedicalMountains

the process play a role, but also the cost-effectiveness in series production.

OUR PROCESSING CAPABILITIES INCLUDE

- Shape setting
- Joining
- Braiding
- Grinding
- Surface treatment
- Laser marking

OUR SERVICE OFFER

CONCEPT

- Analysis & Consulting
- Solutions
- Technical drawing & 3D representation
- Prognosis of economic efficiency

DEVELOPMENT

- Project Management
- Prototype construction
- Pre-tests
- Process optimisation

PRODUCTION

- Material procurement
- Implementation
- Series production
- Cleanroom

QUALITY MANAGEMENT

- Consulting
- Qualification
- Validation

OUR PRODUCTS

- Retrieval devices
- Instruments
- Snares
- Implants
- Marker systems

EPflex

Name › **EPflex Feinwerktechnik GmbH**

Address/P.O. Box › **Im Schwöllbogen 24**
Postal Code/City › **72581 Dettingen**
State › **Baden-Wuerttemberg**
Contact Person › **Georg Uihlein**
Telephone › **+49-7123-9784-0**
Fax › **+49-7123-9784-22**
Website › **www.epflex.com**
Social Media ›

Number of Employees › **400**
Founded (year) › **1994**

Areas of Activity › **Metallic components for minimally invasive medicine**

Annual Turnover › **€36m**

EPflex – better ideas, better health

We are one of the pioneers in the development and manufacture of metallic components for minimally invasive medicine.

Over the years, we have repeatedly developed solutions that have opened up completely new, previously unimagined possibilities for diagnosis and treatment. These include, among others, the world's first MRI-compatible guidewire.

Our products are high-tech precision instruments, developed and manufactured on the basis of unique know-how and years of experience, with the aim of delivering consistently high quality.

Guide wires

Our guide wires are high-tech instruments, manufactured and developed on the basis of years of experience and outstanding expertise. We offer a wide range of stainless steel and Nitinol guide wires for a wide variety of applications – tailored to your requirements.

Nitinol stone retrieval devices

EPflex stone retrieval devices are manufactured with the highest precision and guarantee the best quality when using Nitinol. This makes us the perfect solution for urological and gastroenterological procedures.

Snares

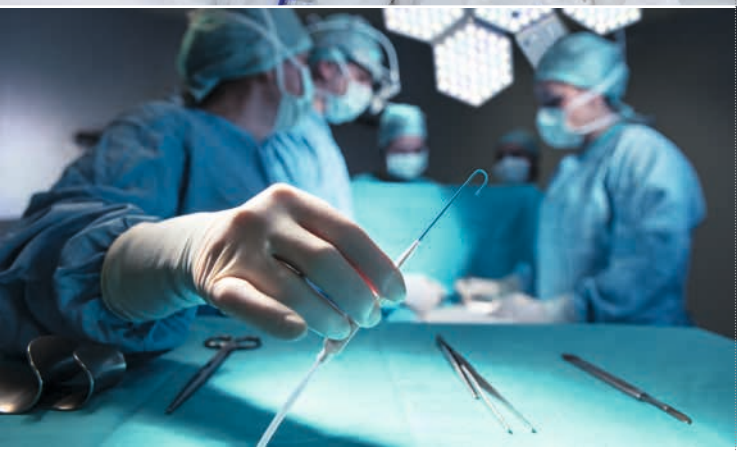
Our snares are made of Nitinol, a superelastic nickel-titanium alloy. This ensures that the sling always returns to its original shape. Due to the use of Nitinol, our snares are particularly resistant to buckling and deformation. Snares can be equipped with a gold-coated head in order to provide enhanced radiopacity.

Stylets

EPflex stylets are manufactured individually according to your requirements. Whether ground or unpolished, coated or uncoated, we can use a large stainless steel and Nitinol wire bearing for this purpose.

Member of

MedicalMountains



Packaging

Our products and components are packaged in a clean room. We make sure that the safety and highest hygiene requirements are always met.

Manufacturing competencies

- Grinding
- Laser welding
- Gluing
- Wire forming
- Shrinking
- Electrolytic marking
- Laser marking
- Sandblasting
- Coating

The medical disciplines

- Urology
- Gastroenterology
- Interventional cardiology
- Peripheral angioplasty and other minimally invasive procedures

Quality right from the start

We use high-quality materials, such as medical grade stainless steel or Nitinol, platinum, tungsten, and special polymers for our guide wires.

Our solutions and products are perfectly tailored to the individual needs and requirements of our customers. We are equipped with state-of-the-art technologies and production facilities. Our employees are specially trained and pay attention to even the smallest details with the highest precision. Particularly complex work steps are carried out by our experts by hand. Furthermore, we are DIN EN ISO 13485 certified.

In addition to our high-quality basic product range, we offer the opportunity to develop and implement customised solutions that are perfectly adapted to the respective specific requirements – down to the last detail. We are looking forward to hearing from you!

eurofins | Medical Device Testing

Name › **Eurofins Medical Device Testing**

Address/P.O. Box › **Behringstrasse 6–8**
Postal Code/City › **82152 Planegg/Munich**
State › **Bavaria**
Contact Person › **Judith Riedelsheimer**
Telephone › **+49-89-899-650-0**
Fax › **+49-89-899-650-11**
Email › **mdsales@eurofins.com**
Website › **www.eurofins.com/medical-devices**

Number of Employees › **ca. 380**
Founded (year) › **1984**

Areas of Activity › **Medical Device Testing**

Comprehensive testing services for medical devices

From implants and instruments to single-use and combination products, as well as active electronic devices, Eurofins Medical Device Testing provides the optimal strategy for all types of medical devices and delivers rapid turnaround times with the highest level of service and most advanced technologies.

With extensive knowledge of the commercialisation processes, regulatory requirements, and scientific trends in the medical device industry, our scientists and engineers have been assisting companies, large and small, with developmental testing and regulatory submissions for three decades.

Our 20+ state-of-the-art facilities throughout North America, Europe, and Asia Pacific offer extensive capacities and the highest level of instrument technology, enabling us to provide the full scope of testing services required by the medical device industry.

Eurofins Medical Device Testing can help to develop and execute your test plans and navigate the regulatory pathway to market anywhere in the world. Our laboratories maintain quality systems compliant with cGMP, GLP, and ISO 17025, and conduct testing in accordance with ISO, ASTM, ANSI, AAMI, USP, EP, and JP standards, as well as custom test methodologies to meet the unique needs of our customers.

Chemical/Physical Analysis

- Extractables & Leachables
- Material & Product Stability
- Dissolution
- Raw Materials Purity
- Particle Characterisation
- Residual Ethylene Oxide

Microbiology & Sterility

- Sterility / Sterility Validations
- Bioburden / Bioburden Validations
- Endotoxins / Endotoxin Validations
- Antimicrobials / Infection Control
- Cleaning & Reprocessing Validations
- Bacterial Identification
- Customised Test Designs

Member of

MedTech Pharma

EUROFINS MEDICAL DEVICE TESTING

Packaging Validation & Seal Integrity

- Container Closure Integrity Tests
- Sterile Barrier
- Package & Transit Testing
- Shelf Life & Accelerated Aging / Real Time Aging
- Label Durability

Biocompatibility Testing

- Cytotoxicity
- Hemocompatibility
- Genotoxicity
- Irritation
- Sensitisation
- Systemic Toxicity
- Implantation (standard, customised, functional)
- Degradation Studies

Chemical Characterisation

- GCMS +/- Headspace, ICP, LCMS, FTIR
- Toxicological Risk Assessment
- Expert Evaluation
- Inclusion of AET

Combination Products

- Drug Release and Dissolution
- Chemical Compatibility
- Stability
- Container & Closure Integrity
- Syringe Testing

Mechanical Implant Testing

- Material Tests, i.e. Physical Testing (Compression, Tension, Shear)
- Characterisation of Coatings
- Particle Analysis and Ion Release Tests
- Corrosion Testing
- Finite Element Analysis

Notified Body Services

- CE Certification

Training & Consulting

- Expert Statements and Risk Evaluation
- Seminars, Webinars, Trainings

FGK
CLINICAL RESEARCH

Name › **FGK Clinical Research GmbH**

Address/P.O. Box › **Heimeranstr. 35**
Postal Code/City › **80339 Munich**
State › **Bavaria**
Contact Person › **Martin Krauss, Dr Edgar Fenzl**
Telephone › **+49-89-893-119-0**
Email › **martin.krauss@fgk-cro.com**
edgar.fenzl@fgk-cro.com
Website › **www-fgk-cro.com**
www.fgk-rs.com
www.fgk-pv.com

Number of Employees › **190**
Founded (year) › **2002**

Areas of Activity › **Full service CRO (contract research organisation) offering a complete range of clinical development and consulting services all over Europe and the US:**
| Regulatory Affairs
| Project Management and Monitoring
| Medical Safety
| Data Management/Biostatistics
| Medical Writing
| eSolutions for Clinical Trials
| Quality Assurance
FGK Clinical Research has two daughter companies: "FGK Pharmacovigilance" and "FGK Representative Service", enabling us to offer our clients pharmacovigilance services including services of QPPV and PMSF management as well as legal representation for non-European customers conducting clinical studies or seeking marketing authorisation within the EU/EEA.

External Collaborations › **BVMA - Federal Association of Contract Research Organisations**

Company overview

FGK Clinical Research is a Europe-based CRO of an ideal size for cooperation with smaller and mid-sized medical device, biotech, or pharmaceutical companies. FGK was founded in 2002 and currently has 190+ employees – most of them located in our headquarters in Munich and our branch office in Berlin, Germany. Covering all phases and areas of clinical development, we have experience in every important medical indication, including in particular oncology, cardiology, neurology, dermatology, and gastroenterology. Broad knowledge in alternative therapies completes our expertise. Besides our services for drug development, we also help to guide all kinds of innovative medical devices through the increasingly demanding framework of clinical investigations.

We directly supervise international projects and operate Europe-wide; for additional countries and sites in the US/Canada, we have suitable long-term partners.

Our approach to a project

The main philosophy for FGK is to prepare and conduct studies in close cooperation with the sponsor. Thus, we not only closely interact with our clients throughout the project but long beyond, as maintaining a good relationship forms the basis for long-term cooperation. Our operational team works hand in hand with all other departments involved. This also applies for the project manager, who is the central contact person delivering all required information to the sponsor. Timely approvals and efficient trouble-shooting are achieved through a combination of centralised project management and local monitoring, as well as local expertise in regulatory submissions within the country of study conduct.

Services

Regulatory Affairs

- Consulting on regulatory topics
- Review of study documents (e.g. protocol, informed consent form, labels)
- CTA with submission to authorities and ECs

FGK

Clinical Operations

- Project management, primary liaison for sponsor communication, status reports, etc.
- Feasibility, contract negotiations, site management, monitoring, etc.

Medical Safety/Pharmacovigilance

- Adverse Event Management and assessment/reporting
- Drug safety, medical monitoring and coding of medical terms
- Pharmacovigilance – also visit www.fgk-pv.com

Medical Writing

- Investigator's brochures, study protocols, ICF and subject information
- Clinical expert reports, clinical publications, IMP and submission dossiers

Data Management

- CRF design and review, clinical trial databases
- Data validation, processing and cleaning, external data handling, CDISC SDTM

Biostatistics and Programming

- Study design, sample size calculations
- Statistical consultancy, analysis plan, programming and reporting
- CDISC ADaM

Quality Assurance

- Audits of investigator site, database and system audits, internal audits
- SOP composition and implementation

eSolutions

- eCRF
- IWRS/Drug supply
- eTMF
- CTMS

Visit our website www.fgk-cro.com to learn details about our complete portfolio.

fixtest ...simply the better contact!

Name › **FIXTEST Prüfmittelbau GmbH**

Address/P.O. Box › **Zeppelinstraße 8**
Postal Code/City › **78234 Engen**
State › **Baden-Wuerttemberg**
Contact Person › **Markus Vogel**
Telephone › **+49-7733-5056-0**
Fax › **+49-7733-5056-17**
Email › **contact@fixtest.de**
Website › **www.fixtest.de**
Social Media ›
Number of Employees › **22**
Founded (year) › **1984**

Areas of Activity › **PCB Test Equipment**
Spring Probes

Annual Turnover › **€4.0m (2020)**

For more than 35 years FIXTEST's goal is to provide perfectly fitting spring probe solutions to customers with demanding applications. To achieve this we either select from our portfolio of over 8000 readily available stock products or we design and manufacture bespoke spring-loaded contact solutions - even in small quantities. This flexibility gives FIXTEST an unique position in a mainly catalogue-dependent spring probe market.

... simply the better contact!

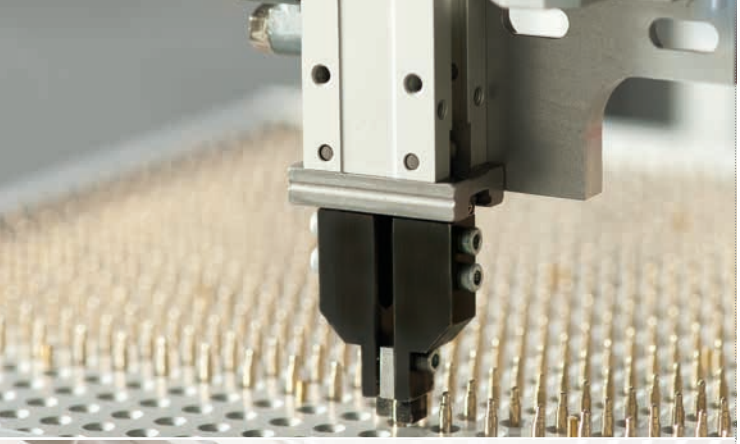
Spring probes are a versatile and reliable way of establishing electrical connections and transfer all kinds of signals. For decades the spring probe technology is used in testing electronic assemblies and plug-in-connectors. Their ease-of-use and their longevity make spring probes also ideal for the use in consumer products. Docking and charging applications for mobile devices can be simplified or made more robust than common plug-in connectors and sheet metal connections. Whether it may be in a station or as a cable with a magnetic connector.

To boldly go ...

Following the ubiquitous trend of miniaturisation spring probes need to be smaller and smaller and still keep their electrical properties. Our constant search for better materials and manufacturing technologies creates new solutions for our customers' needs.

Member of

VDMA
Working Group Medical Technology



Medical focus

Creating more and more solutions for medical industry customers, FIXTEST recognizes an increasing demand for spring loaded contact products in medical equipment. Oftentimes these projects require creative solutions mainly in selecting the right materials and withstanding cleaning processes.

Reliable through and through

FIXTEST products have always been used for quality control purposes. Testing the function and quality of components and end products requires precise and reliable measuring equipment. Therefore, all our products and our manufacturing processes are carefully monitored. FIXTEST is certified according to ISO 9001 and ISO 14001.

Sustainability is key

We want the world to be a place worth living in – for us and for future generations. Our economic decisions are therefore always checked against our sustainability goals. Following our ISO 14001 certification we always pursue to reduce our resource intake and optimize our energy efficiency: A low-energy building, plastic free packaging, local suppliers.

Our high-level Code-of-Conduct as well as our active involvement in regional welfare projects support our aim for sustainable social balance.

FRIWO

Name › FRIWO Gerätebau GmbH

Address/P.O. Box › Von-Liebig-Str. 11
Postal Code/City › 48346 Ostbevern
State › North-Rhine Westphalia
Contact Person › Gerrit Menzel
Telephone › +49-2532-81-0
Fax › +49-2532-81-112
Email › hello@friwo.com
Website › www.friwo.com
www.friwo-shop.com
Social Media ›

Number of Employees › 2,600
Founded (year) › 1971

Areas of Activity ›
- Power Supplies
- Chargers
- Battery Packs
- LED Drivers
- Motor Control Units
- Drive Systems

Annual Turnover › €100m

Medical power supplies: the heart of your application

Heart failure – one of the most dreaded incidents in medicine. If the heart fails, so does everything else. The same applies to your application's power supply: if its service diminishes, the entire system will be affected – which can be disastrous in medical technology.

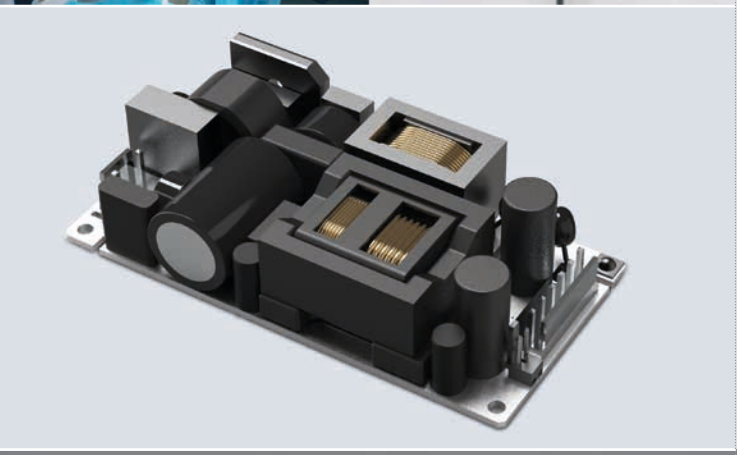
It is therefore of utmost importance to have a reliable partner for power supplies. We want to meet this need: ever since the invention of the world's first plug-in power supply in 1971, our customers have been relying on our expertise, since we have already manufactured more than one billion power solutions. 50 years of know-how and our German engineering skills safeguard the delivery reliability of your application – and thus the maximum safety of the patient.

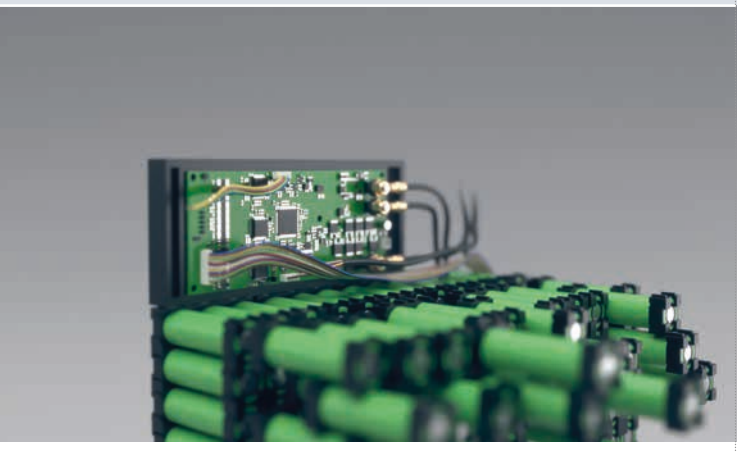
One-stop-shop for power supply and drive system solutions

Today FRIWO is an international manufacturer of state-of-the-art chargers, battery packs, power supply units, and LED drivers. In addition, the company acts as a system provider and supplies digitally controllable drive solutions from a single source. The product range includes all components required for a modern electric drive train: from the display and engine control to the battery, charger, and control software.

Innovative solutions for the toughest requirements

FRIWO's medical power supply solutions are designed for the most demanding conditions. Whether it is about surviving falls during hectic emergency treatment with a patented encapsulation technique, protecting the patient with minimal leakage currents from ≤ 10 µA, or securing the power supply with redundant systems and battery-operated backup solutions: FRIWO develops and manufactures reliable power supplies.





We always think from the user's point of view and develop innovative concepts to make everyday medical life easier. In the field of inductive charging technology, for example, we already offer contactless energy solutions with up to 150 W transmission power and parallel data communication. The use of inductive charging technology enables the development of medical devices with completely closed housings – an invaluable advantage for sterile workplaces!

FRIWO always develops and produces taking into account possible future changes in standards and increasing efficiency requirements in order to ensure smooth and long-term marketing of your product. FRIWO is also at your side as a reliable partner for new legal regulations such as the Medical Device Regulation (MDR) or the upcoming UKCA.

Global network for maximum flexibility

Thanks to our competent global network, customer requirements and wishes can be flexibly implemented. With modern engineering and production centres in Germany and Vietnam, as well as sales offices in Europe, Asia, and North America, we are present in all important markets of the world.

ISO 13485 certification as an additional quality promise

In particular, certification according to ISO13485 is an additional quality promise for medical technology, as it defines regulatory requirements for a comprehensive management system of medical device manufacturers. As an internationally recognised standard, this regulation contains guidelines for design and development, production, installation, maintenance, and sales. This certification places high demands on the exact adherence to all process steps. Particular attention is paid to risk management and consistent and complete documentation; not only with regard to minimising risks, but also with regard to optimum traceability of products and components.

Name › GROB-WERKE GmbH & Co. KG

Address/P.O. Box › Industriestraße 4
Postal Code/City › 87719 Mindelheim
State › Bavaria
Contact Person › Stephan Kowalski
Telephone › +49-8261-996-5028
Fax › +49-8261-996-268
Email › Stephan.Kowalski@grob.de
Website › https://www.grobgroup.com/en/
Social Media ›
Number of Employees › 7,000
Founded (year) › 1926
Areas of Activity ›
- Complex metal cutting systems with focus on the automotive industry
- Entire assembly systems for automotive powertrains
- Since 2008 – Universal machining centre for supplier industry, medical industry, tool and mold industries, aerospace industry, general mechanical engineering, energy technology
- Since 2021: Addition of the 4-axis series
- Automation solutions from in-house production
- Electromobility: Systems for stator, rotor, and electric motor assembly and for battery and fuel cell assembly
- Expanded cutting-edge technologies:
  - Software development (GROB-NET[4] Industry)
  - Thermal spraying technology
  - Machining of frame structure parts
  - Machining of chassis parts
  - Turbocharger machining

Annual Turnover › €1.1bn (20/21)
Relevant R&D budget › €800m (Feb. 2021)

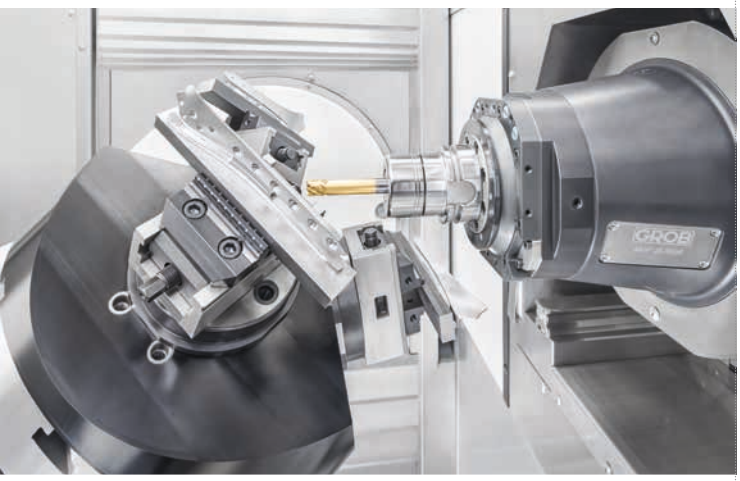
Member of

GROB-WERKE: Technology At Its Best

As a global, family-owned company, GROB-WERKE has been developing manufacturing systems and machine tools for more than 95 years. Its customers include the world's leading automotive manufacturers, their component suppliers, and other companies from a broad range of sectors such as aerospace, tool mould making, and mechanical engineering. GROB-WERKE has international reach with production plants in Mindelheim (Germany), Bluffton, Ohio (USA), São Paulo (Brazil), Dalian (China), and Pianezza (Italy) as well as worldwide service and sales offices. The GROB Group employs 7,000 people and generates €1.1 billion in revenue (fiscal year 20/21) globally. GROB's portfolio ranges from universal machining centres to highly complex manufacturing systems with a dedicated automation function, and on to manual assembly stations and fully automated manufacturing lines, including for electric motors and battery cells.

GROB's decades of experience and innovative know-how are combined in their industry-specific Centres of Excellence. These are divided into the areas of Aerospace, Automation, Die & Mold, and Medical Technology. The Centres of Excellence enable GROB to offer individual manufacturing solutions tailored to the customer.

In the Centre of Excellence/Medical Technology, technical experts work globally on demand-oriented and pioneering production solutions along the horizontal and vertical process chain. GROB is targeting the new challenges of the industry with efficiency and safety. GROB offers complete system solutions in the form of individualised production lines. Basic components here are the modular machining centres, which can be interlinked with the latest automation solutions.



All G-series modules come from the same modular system, are characterised by their compact design, and guarantee excellent visibility and optimal accessibility to the work areas. With their universal machining centres, GROB offers a wide range of applications to customers from the most diverse industries; the new G150 now also enables the use of the technologies for smaller components.

Furthermore, GROB is taking a giant leap into the digital future with the proprietary "GROB-NET^{4}Industry" software developed for the digitisation and networking of production processes. The modules of GROB-NET^{4}Industry allow the areas linked directly and indirectly to machining operations to be organised in a way that optimises the capacity utilisation of the top-quality and high-precision machine tools. All areas of production are linked, from production planning, monitoring, and analysis, to visualising processes during part machining, to proactive service and maintenance. With this technology, GROB can make a decisive contribution to meeting regulatory requirements by ensuring full traceability and automated documentation.

Besides machines and appropriate automation solutions, GROB offers its customers industry-specific know-how for medical technology. GROB is thus in a position to support its customers from the medical technology sector in the best possible way in process design and optimisation.

GROB's top priority is to be a long-term partner for its customers by offering individual and innovative solutions as well as a world-wide service network. Customers benefit from decades of expertise and the high quality and reliability of GROB.

GÜHRING

Name › Gühring KG

Address/P.O. Box › Herderstraße 50-54
Postal Code/City › 72458 Albstadt
State › Baden-Wuerttemberg
Contact Person › Rainer Staneker
Telephone › +49-172-6585-099
Fax › +49-7431-17-21279
Email › rainer.staneker@guehring.de
Website › www.guehring.com
Social Media ›
Number of Employees › >8,000 worldwide
Founded (year) › 1898

Areas of Activity ›
- Drilling
- Milling
- Threading
- Reaming
- Countersinking/Deburring
- Deep hole drilling
- PCD/PCBN
- Grooving
- End machining
- Clamping devices
- Special tools
- Services

GÜHRING is strengthening its commitment to the medical industry. With a focus on surface quality and precision, we are now emphasising, topics such as traceability and process technology.

Everything from a single source

For GÜHRING, one of the leading manufacturers of cutting tools, vertical integration is not just a buzzword: GÜHRING offers a comprehensive range of products and services, including the production of carbide, in-house manufactured grinding centres, cutting edge preparation, and GÜHRING's own coatings. State-of-the-art research and test facilities enable science-based tool development, along with the latest in research and testing capabilities.

We are always close to our customers on all continents and provide regrinding and coating services that are not only for GÜHRING tools. In addition to a longer tool life, in-house manufactured machinery and plants also guarantee that the quality standards around the world are uniform.

From standard tools to custom-made tools

With over 100,000 standard products ranging from drilling and deep hole drilling to milling, reaming, and threading, GÜHRING always delivers the right tool. On top of this, we can offer customised solutions. A process development centre established especially for the medical industry rounds off our services.

Member of

VDMA Working Group Medical Technology

MedicalMountains

Tool management

In the medical industry GÜHRING's dispensing systems are not only used for tool management. Medication, instruments, and implants can also be perfectly managed so that topics such as shelf life are also fully controlled. Our in-house software department is able to map your requirements precisely.

We would be happy to discuss and find a solution to your machining and process optimisation challenge.

Your partner in medical technology

GÜHRING offers a comprehensive portfolio of cutting tools for end-to-end production of components for medical engineering.

A high level of vertical integration and proven expertise mean that we can offer solutions for every machining problem. Our micro-tools department can explore the world of miniaturisation with you, and R&D in our own competence centre with associated test facilities can provide sophisticated analyses.

Name › **H. + H. Maslanka Chirurgische Instrumente GmbH**

Address/P.O. Box › **Stockacherstrasse 172**
Postal Code/City › **78532 Tuttlingen**
State › **Baden-Wuerttemberg**
Contact Person › **Sarah Reder**
Telephone › **+49-7461-960-0**
Fax › **+49-7461-4732**
Email › **sarahreder@maslanka.de**
Website › **www.maslanka.de**
Social Media › **in**
Number of Employees › **50**
Founded (year) › **1974**

Areas of Activity › **Medical products**

Since 1974, H. + H. Maslanka Chirurgische Instrumente GmbH has been known for its high-quality endoscopy equipment. Thanks to our comprehensive portfolio, we offer a wide range of products and cover a vast area of the field of endoscopy. Optimal product quality and high environmental sustainability are the guiding principles of our company. We are also substantially involved in various innovation and development projects in the field of research, and have been granted several patents.

Our top priority for all of our products is to ensure a high level of safety in application, not least by constant processing at the highest level. State-of-the-art production facilities and trained professional staff support us in carrying out precise, top-quality production processes. The medical equipment that we produce therefore guarantees an invaluable level of safety to be reached, particularly in the field of endoscopic surgery.

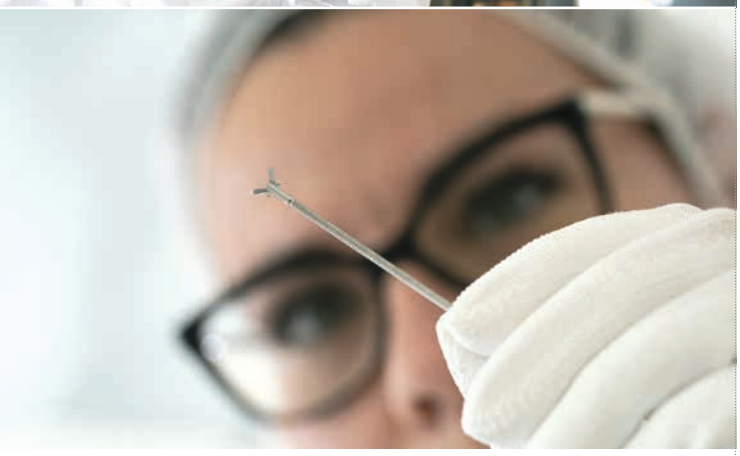
Focus on efficiency

As a Tuttlingen-based family company, we strictly comply with the needs of both doctors and patients. Short reaction times come just as naturally to us as the flexibility to adapt customisable products to individual requirements. In addition to other medical technicians and pharmaceutical companies, our customers mainly include clinics and doctors' surgeries in both the OEM and private label sectors.The focus of our product range is on the field of *flexible endotherapy*. As a German medical technology company, we specialise in high-quality medical instruments, as well as equipment for a minimally invasive and flexible endoscopy procedure.

Member of

MedTech Pharma

MedicalMountains



H. + H. MASLANKA

Philosophy

Medically effective, extremely safe, and very gentle patient care is a prerequisite for the development of every Maslanka product. Maslanka therefore places great importance on excellent processing, and functions with absolute reliability. This is the only way that we can meet our demand for maximum efficiency and performance.

Maslanka also places great importance on the work ergonomics of the instruments, since this is an essential factor in ensuring safety in daily operations. These basic values and the resulting characteristics of the products have made all the difference for our customers for many decades.

HAHN AUTOMATION

Name › **HAHN Automation GmbH**

Address/P.O. Box › **Liebshausener Str. 3**
Postal Code/City › **55494 Rheinböllen**
State › **Rhineland-Palatinate**
Telephone › **+49-6764-9022-0**
Fax › **+49-6764-9022-101**
Email › **medical@hahnautomation.com**
Website › **www.hahnautomation.com**
Social Media ›
Number of Employees › **1,000**
Founded (year) › **1992**

Areas of Activity › **Special machinery, automation, and test technology**

Innovative solutions in automation and robot technology

HAHN Automation is a globally operating special machine manufacturer and develops innovative solutions for the automation of assembly and testing processes. Through many years of experience, innovative developments, and high quality awareness HAHN Automation has developed into a worldwide leading mechanical engineering company. With its own production sites in China, Germany, Great Britain, Croatia, Mexico, Austria, Czech Republic, and the USA, HAHN Automation currently employs about 1,000 people at 12 locations. Well-known customers in the automotive, consumer goods, electronics, and healthcare technology industries benefit from HAHN Automation's competence and automation expertise, which has been growing since 1992.

We ensure optimal quality of your medical products

Best quality and highest precision: HAHN Automation provides customised automation solutions for the production of healthcare products. For optimized processes, professional automation also plays an important role in the healthcare sector. The industry places particularly high demands on the machines used in this sector. HAHN Automation realises automation solutions that meet even the strictest requirements.

Automation solutions for the healthcare industry

The automation systems of HAHN Automation ensure optimised manufacturing processes and set new standards in the healthcare sector. With over 25 years of competence and experience in the realisation of assembly and testing processes of complex, multi-part components, HAHN Automation provides industry-specific solutions. Flexible concepts also allow economical small series production with high process reliability. We offer the highest quality from manual workstations up to semi- or fully-automatic assembly lines according to the respective customer's needs and the required level of automation.

Member of

VDMA Working Group Medical Technology

MedicalMountains

Your reliable partner for medical device automation

In addition to a showroom, a healthcare competence centre for customers from all over the world is currently being built at the Rheinböllen headquarters. The site employs experts in assembly and testing lines for the production of medical devices and systems. In addition, equipment validations are provided.

3-Phase equipment validation

Upon customer request HAHN Automation offers a standardised 3-phase equipment validation of the assembly and test systems according to the following regulations:

- EN ISO 13485:2016, chapter 7.5.6
- Regulation (EU) 2017/745 (MDR), Annex 2, chapter 3b
- 2016 Annual FDA, Sec. 820.75 Process Validation

Discover more on our website:
www.hahnautomation.com/en/industries/healthcare

HAMAMATSU
PHOTON IS OUR BUSINESS

Name › **HAMAMATSU PHOTONICS Deutschland GmbH**

Address/P.O. Box › **Arzbergerstr. 10**
Postal Code/City › **82211 Herrsching**
State › **Bavaria**
Contact Person › **Philip Waldner**
Telephone › **+49-8152-375-100**
Fax › **+49-8152-375-111**
Email › **info@hamamatsu.de**
Website › **hamamatsu.com**
Social Media ›
Number of Employees › **> 100**
Founded (year) › **1986**

Areas of Activity › **Manufacturer of components and systems**

Light-powered innovation

Our mission is to benefit society through the development of technologies that capture, measure, and generate various types of light. That is why we re-invest at least 9% of our yearly revenue into research and development – to maintain cutting-edge quality across 90 types of image sensors, light sources, components, and systems with capabilities that span the spectrum from x-ray to infrared.

Sensors and emitters for visible and invisible light

We are one of the only companies in the world that develops a wide range of both light sensors, such as photomultiplier tubes and photodiodes, and light sources such as lasers, LEDs, and measurement lamps. The components we manufacture measure and generate not only visible light, but also ultra-low, ultraviolet, infrared, and x-ray light.

Components, modules, and systems

Our light sensor and light source components are also available as modules and units with dedicated circuits. These devices can be incorporated into systems we develop, such as optical measurement systems, imaging systems, and image analysis systems.

These products are used in a wide range of applications, ranging from everyday technology such as smartphones to measurement instruments that support cutting-edge academic research.

Member of

SPECTARIS
Medical Technology

Detecting disease as early as possible

All human beings are susceptible to the risk of disease, which is why early diagnosis is crucial. Hamamatsu Photonics manufactures high-performance devices optimised for medical use, such as positron emission tomography (PET), mammography, and X-ray CT. Throughout the world, our devices play an important role in medical examinations by detecting diseases such as cancer in their early stages.

Medical and bio instruments are a major industry and these are the application for which our products are ideal. Hamamatsu's experience in this market as well as the high quality and diverse range of products we can supply, makes us the ideal long-term business partner over the entire life cycle of your products and beyond.

HealthCapital
BERLIN BRANDENBURG

Name › HealthCapital – Cluster Healthcare Industries Berlin-Brandenburg

Address/P.O. Box › c/o Berlin Partner für Wirtschaft und Technologie GmbH
Fasanenstr. 85

Postal Code/City › 10623 Berlin

State › Berlin

Contact Person › Dr Kai Uwe Bindseil (Cluster Manager)

Telephone › +49-30-46302-463

Email › info@healthcapital.de

Website › www.healthcapital.de

Social Media ›

Areas of Activity ›
- Technology transfer between science and industry
- Initiation and support of networks
- Support for technology-orientated Startups
- Funding support for innovative project concepts
- Providing and presenting regional life sciences information
- Building and coordinating scientific and interdisciplinary networks
- Establishing contacts among experts from all disciplines
- Organisation of events and seminars

External Collaborations ›
- Founding member of the Council of European Bioregions – CEBR
- Member of ScanBalt
- Member and contact point in Berlin for the Enterprise Europe Network (EEN)
- Member of EIT Health and Global Health Hub Germany

Berlin Brandenburg … a leading hub for life sciences and healthcare

The Berlin-Brandenburg region is Germany's "health capital" and one of the leading international life sciences locations as it is both home to the German government and the centre for healthcare industries. The region's distinction is anchored in its unique research and clinical landscape, as well as its ability to closely link the key players in the life sciences and healthcare. Medical technology, in particular, is a strong driving force within the Berlin-Brandenburg HealthCapital cluster generating innovation and growth there and beyond.

… MedTech meets Innovation

Over 330 medical technology and digital health companies are located in the German capital region. These include market leaders such as Ada Health, B. Braun, Berlin Heart, BIOTRONIK, Cerner, Eckert & Ziegler, Karl Storz, Ottobock, and Zimmer Biomet. The main activities are focused on digital health, medical imaging, cardiovascular support systems, minimally invasive surgery, as well as orthopaedics. Over the last two years the Berlin and Brandenburg medical device community has been marked by technological trends, which can also be observed on a global scale: personalisation and digitisation.

… Key technologies: Artificial Intelligence and Additive Manufacturing

The innovative power of the German capital region around AI is demonstrated by a significant number of healthcare startups. They are pushing the boundaries of traditional healthcare with AI solutions. There is also a very strong research landscape in the field of AI and data with several research groups at Charité, the Berlin Institute of Health (BIH), the Berlin Institute for the Foundations of Learning and Data (BIFOLD), the German Research Center for Artificial Intelligence (DFKI), and other more.

The healthcare sector is also one of the most exciting segments for 3D printing. In the future, customised

prosthetics or implants could be developed by using these techniques. For an interface between awareness, concrete development processes and legislation, companies within that segment profit from business networks like Medical goes Additive as a knowledge and transfer platform.

… where startups meet grownups

With their innovative spirit and digital expertise, startups deliver fresh solutions for digital transformation in the healthcare industry. The German capital region is home to over one hundred digital health startups, and the numbers are growing each year. State-of-the-art technologies such as machine learning, artificial intelligence, and big data accelerate new applications. The regional startup ecosystem is highly self-organised and offers young pioneers a broad range of events such as meetups, barcamps, seed camps, and hackathons.

… offering service and support for players in the German capital region

The central contact and coordination office for all issues concerning life sciences and healthcare in the German capital region is the cluster HealthCapital. At the interface of business, science, and clinics, the HealthCapital cluster management drives networking and technology transfer, and supports companies interested in relocating to the region. Berlin Partner for Business and Technology and the Economic Development Agency Brandenburg (WFBB) are responsible for managing the cluster.

Meet us in 2022

HIMSS22, 14-18 March, Orlando
DMEA, 26-28 April, Berlin
BIONNALE, 11-12 May, Berlin
MEDICA, 14-17 November, Düsseldorf

EUROPEAN UNION

European Regional Development Fund

HELMUT ZEPF
MEDIZINTECHNIK GMBH

Name › **HELMUT ZEPF Medizintechnik GmbH**

Address/P.O. Box › **Obere Hauptstrasse 20**
Postal Code/City › **78606 Seitingen-Oberflacht**
State › **Baden-Wuerttemberg**
Contact Person › **Patrick Zepf**
Telephone › **+49-7464-9888-0**
Fax › **+49-7464-9888-88**
Email › **info@zepf-dental.com**
Website › **www.zepf-dental.com/oem**
Social Media ›

Number of Employees › **120**
Founded (year) › **1921**

Areas of Activity › **Innovative developments and production of medical and surgical instruments**

Over 100 Years of „Made in Germany“

For generations already, HELMUT ZEPF has been a reliable partner in developing and manufacturing dental and surgical instruments. From the very first beginning of project planning phase until first serial batches are supplied, you can rely on one dedicated project partner who will take care of your demands fully and is in the position to take action by flat and fast decision making channels.

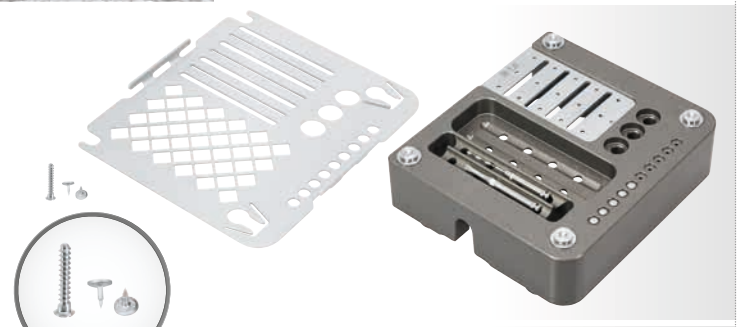
OEM

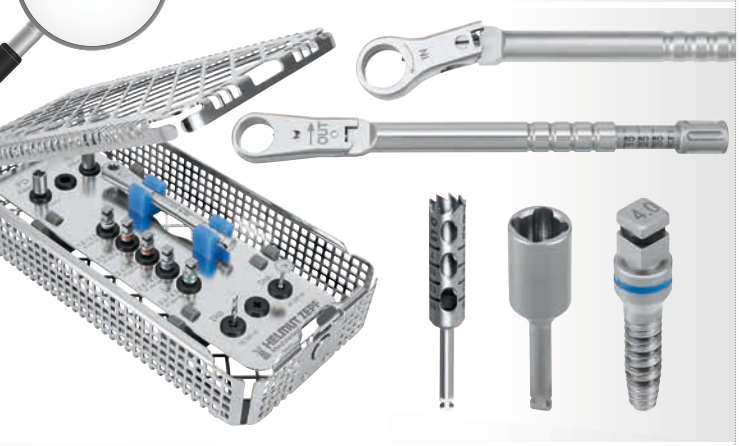
Benefit from our experience and our high level of in-house production depth as innovation leaders in dental surgery, implantology and orthodontics.

- Design and prototype construction
- CNC production and automation
- Vacuum hardening & soldering
- Galvanic working steps, vibratory grinding, beam technology & cleaning
- Laser welding & marking, GS1, HIBC, UDI with verification protocol (in-house verifying tools and machines)
- Packing & logistics

Member of

MedicalMountains





International

We export to over 70 countries worldwide!
Our references in the field of contract manufacturing include renowned market leaders in dental implantology, oral- and maxillofacial surgery, ENT instruments, ophthalmologic instruments as well as instruments for neuro- and spinal surgery.

Our storage and maintenance solutions i.e. our diverse washing baskets find their individually adapted application in all areas of medical technology.

Especially in complex instruments and products you can rely on us such as:

- Individually equipped storage and washing baskets for hygienic and maintenance procedures
- Micro surgical instruments
- Certified manufacturer for
  - risk class 1M products, i.e. torque wrenches with optional calibration protocol
  - risk class IIA products, i.e. bone drills, bone mills and trephines
  - risk class IIB products, i.e. dental implants (bone screws and pins)

Why you should contact us for your project realization:

- Certified medical device manufacturer
- High level of in-house production
- Tuttlingen as our origin region, in which we combine:
  - High-tech production and processes
  - Surgical mechanic craftmanship
- Many years of experience in taking care and supporting national and international projects

Heraeus
AMLOY

Name › **Heraeus AMLOY Technologies GmbH**

Address/P.O. Box › **Seligenstädter Str. 100**
Postal Code/City › **63791 Karlstein am Main**
State › **Bavaria**
Contact Person › **Valeska Melde**
Telephone › **+49-6181-35-9650**
Email › **amloy@heraeus.com**
Website › **www.heraeus-amloy.com**
Number of Employees › **25**

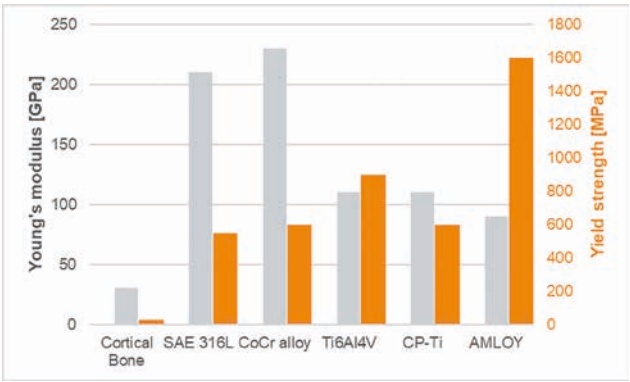
The new class of materials to solve previously unsolved challenges

One-stop-shop for your amorphous solutions

Heraeus AMLOY Technologies is part of the Heraeus Group, located in Karlstein am Main, Germany. In our business, we combine the unique properties of amorphous alloys with our technological know-how to enable completely new high-tech applications. Heraeus AMLOY's near-net-shape process solutions, i.e. injection moulding and 3D printing, are ideally suited for medical applications.

Amorphous alloys in medical technology

Preferred materials for personalised implants, orthopaedic and medical devices are simultaneously confronted with a variety of stringent requirements. In addition to biocompatibility standards, manufacturability and surface functionality, especially the customisation of complex individual geometries, are current challenges that form the bottleneck between a material solution approach and the application relevance. The promising approach of using amorphous alloys in this context has already proven to be viable in practical studies and implementations. The potential of using amorphous alloys to overcome the previous challenges of design, functionality and biocompatibility for biomedical applications has already been confirmed by in vivo results. The demanding applications in medical technology demonstrate the advantageous fields of action of amorphous alloys, unleashing their potential in these challenges and enabling new possibilities for better patient care in the future.



Advantages of amorphous alloys in a nutshell:

- Biomechanical properties: Low modulus of elasticity, high yield strength
- Certified biocompatibility: No cytotoxicity, cell deformation or ion accumulation
- Bio-friendly interface: good pre-osteoblast attachment, promotion of bone formation and formation of blood vessels
- Durability: High wear and corrosion resistance
- Dynamic fixation and stabilisation: High fatigue resistance and high elastic limit
- Miniaturisation and design enhancements: 3D printing or injection moulding with tight tolerances and reproducible production cycles in high volumes

Potential applications

- Implants (CMF, spine, dentistry, traumatology)
- Medical devices and appliances
- Surgical and dental instruments

Are you interested in our products and have any questions, requests or suggestions? Please contact us. We will be happy to assist you.

50 JAHRE HOBE micro tools seit 1971

Name › Hobe GmbH | micro tools

Address/P.O. Box › Baindter Strasse 27
Postal Code/City › 88255 Bainfurt
State › Baden-Wuerttemberg
Contact Person › Dr-Ing. Jens-Jörg Eßer
Telephone › +49-751-56092-0
Fax › +49-751-56092-18
Email › info@hobe-tools.de
Website › www.hobe-tools.de
Social Media › in X
Number of Employees › 31
Founded (year) › 1971

Areas of Activity › | Micro Tooling
| Solid Carbide Tools

Member of

VDMA Working Group Medical Technology

Boundless enthusiasm for inovation

At Hobe, innovation results from motivation. Our medium-sized enterprise is perfectly dimensioned to foster an effective innovation culture. Thus, every employee is encouraged to contribute creative ideas and new solutions. As a company, we regard our clients' complex demands as welcome challenges, which we meet by delivering seemingly impossible solutions.

Our goal: optimum machining solutions for all industries

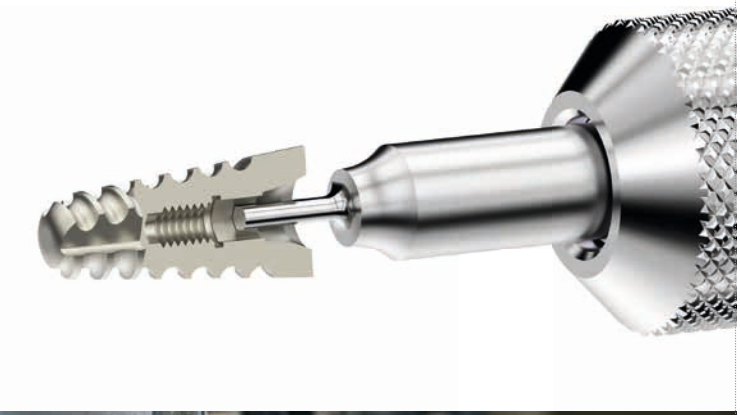
Hobe micro-tools are successfully in use worldwide, for example, in the manufacturing of medical instruments, precision mechanical tools, and electronic components. Whether as standard tools, special tools, or custom development: we offer the best machining solution for every industry and application. Our sophisticated tooling systems contribute to making our clients' production processes more efficient, with a convincing combination of innovation, product quality, and profitability.

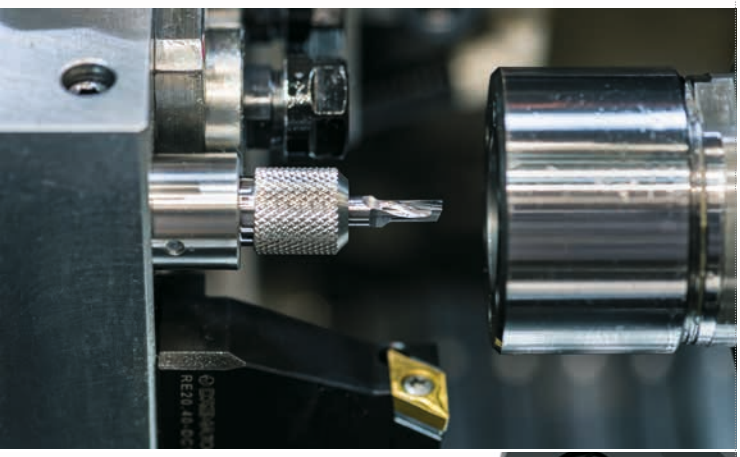
Quality

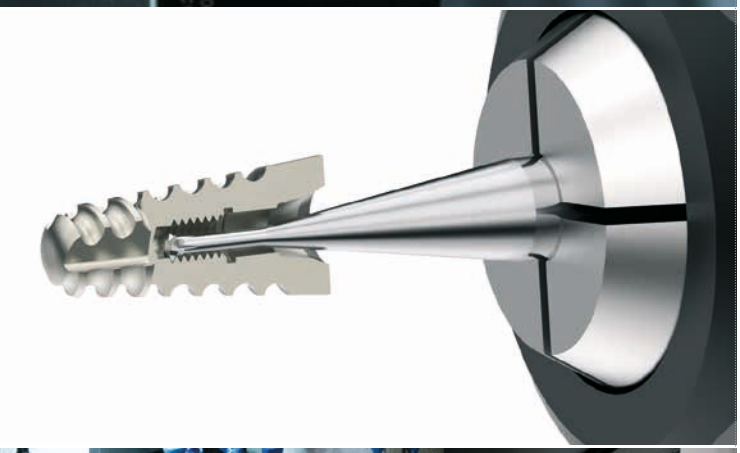
We can thank our motivated, highly trained employees and their commitment to deliver our compelling product and service quality at all times to our clients. Accordingly, Hobe produces exclusively in Germany with development and and manufacturing all under one roof. All business processes are reviewed by a certified quality management system according to DIN EN ISO 9001 and are continuously improved. For us, quality means optimum product properties, tailor-made tool and process solutions, and a reasonable price-performance ratio.

Medical technology

The manufacture of medical devices and components requires extraordinarily powerful tool solutions. This is particularly true for materials that pose difficult machining requirements, such as titanium or stainless steel. And this is where Hobe's solid carbide micro-tools excel. Its exceptional performance guarantees the desired dimensional and shape accuracy, as well as surface quality, at all times.







Furthermore, selected carbide grades with outstanding wear and flexural strength ensure a long tool life.

In medical technology, meeting manufacturing precision requirements presents increasingly complex challenges. Medical components are subject to progressive miniaturisation and sophistication. On the other hand, growing cost and time pressures make higher productivity a must.

Typical examples in this field are:
Pacemaker – internal shaping of electrode components
Resectoscope – tube fitting (e.g. internal shaping) and lens fitting (e.g. internal grooving)

Implantology

Human implants and prostheses require the highest quality standards. This is the only way to avoid health risks and achieve a long product life. Accordingly, extremely corrosion- and wear-resistant materials are used in the manufacture of medical devices. The Hobe micro tools range includes a wide range of SC high performance tools that are ideal for medical device production.

Hard-to-machine materials such as platinum, titanium, stainless steel, and special alloys present us with special challenges in tool development – which we gladly accept. Through intensive exchange with customers, we have in-depth process knowledge in the field of implant prosthetics and dental technology.

Characteristic examples for implantology include:
Dental Implant/Dorsal Stabilisation (pedicle screw) – internal shaping (e.g. thread whirling, processing of multi-edge profiles)

HUGO BECK

We package your world

Name › **Hugo Beck Maschinenbau GmbH & Co. KG**

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Postal Code/City › **72581 Dettingen/Erms**
State › **Baden-Wuerttemberg**
Contact Person › **Timo Kollmann**
Telephone › **+49-7123-7208-42**
Fax › **+49-7123-87268**
Email › **kollmann@hugobeck.de**
Website › **www.hugobeck.com**
Social Media ›
Number of Employees › **110**
Founded (year) › **1955**

Areas of Activity › **Horizontal film packaging machines, flowpack machines, paper packaging machines, automation solutions, robots, and handling systems**

Complete solutions for horizontal packaging in film and paper

HUGO BECK is a world leading specialist in horizontal film packaging machines, flowpack and paper packaging machines as well as automation solutions with the range of 3,000 to 18,000 cycles/hour. We provide a complete range of machine solutions for flowpacks, poly bags, and shrink packs as both primary and secondary packaging.

Our latest paper packaging solutions underline our commitment to the continued development of innovative machine technology and sustainable packaging solutions to help meet environmental objectives. Whether maximising production efficiencies and replacing plastic films with paper or minimising packaging materials used, our team is on hand to highlight savings that can be effectively achieved in the production of film and paper bags and shrink packs.

High-grade customised installations

While relevant for all industries, HUGO BECK's customised film packaging and automation solutions are particularly significant for the pharmaceutical and medical technology sectors. The packaging systems used, most of which are designed as high-grade customer-specific installations, guarantee the greatest possible precision of reproduction; in other words, packaging ready for sale, right from the very first product onwards. And it goes without saying that we meet the highest requirements in terms of cleanroom hygiene, documentation, and safety, while on the systems side, we achieve absolute traceability throughout the process (Track & Trace). Upon request we provide our clients with validation, qualification, and GMP certification service.

As the trend towards automation continues to increase, HUGO BECK also uses robotic systems as part of the packaging line and integrates various handling systems.

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Safe and hygienic, airtight, and high-barrier packaging

The combination of air-tight, high barrier packaging and flexibility across different product sizes and bundles, makes HUGO BECK's flowpack machines ideal for applications in this area. The equipment is designed to conform to the highest documentation and safety standards. In addition, by processing a range of substrate solutions, materials such as composite and barrier films of various thicknesses, polypropylene and polyethylene mono-material, as well as Tyvek® can all be used for flowrapped primary packaging.

With flowpack machines, it is also possible to switch to paper-based packaging with a minimal sealable coating, which means that the paper still remains recyclable.

Additional functionality, such as packing under modified atmosphere (MAP), automatic film-changing devices, or the dispensing of leaflet inserts are only a few examples of user-specified options.

Upon request, all HUGO BECK packaging machines are available in stainless steel or hygienic design to meet the stringent requirements for packaging in this sector.

As an alternative to flowpack machines, we offer film packaging machines for poly bags and shrink packs. Here, the focus is more on product protection and transport, implemented as primary or secondary packaging. All types of film can be processed, including PE/PO/PP mono-material and bio films.

INDEX

TRAUB

Name › **INDEX-Werke GmbH & Co. KG**

Address/P.O. Box › **Plochinger Str. 92**
Postal Code/City › **73730 Esslingen**
State › **Baden-Wuerttemberg**
Telephone › **+49-711-3191-0**
Email › **info@index-traub.com**
Website › **www.index-traub.com**

Number of Employees › **~2,100**
Founded (year) › **1914**

Annual Turnover › **~€575m**

With its INDEX and TRAUB brands, the INDEX Group is one of the world's leading manufacturers of CNC turning machines. The Esslingen group of companies is active around the world with five production sites, five international sales and service companies, as well as 80 representative offices.

Progress has a long tradition

INDEX-Werke was set up in 1914 by Hermann Hahn, who began that year with the production of automatic turret turning machines. He was a Swabian entrepreneur through and through, who laid the foundation for an impressive enterprise with creative ideas and an aspiration for quality. Within four decades, more than 20,000 turning machines had been sold and these formed the basis for the excellent reputation of INDEX around the world. In 1975, INDEX began with the production of multi-spindle turning machines. A few years later, the company entered the market for CNC technology, in which it soon assumed a pioneering role. After the death of Eugen Hahn, the son of the company's founder, 85% of the company shares were put into a foundation. In 1992, INDEX introduced a new generation of turn-mill centres based on a modular component system. In 1997, TRAUB Drehmaschinen GmbH & Co. KG from neighbouring Reichenbach/Fils was taken over and integrated into the INDEX Group. The company pursues a two-brand strategy to this very day.

Optimal production solutions for the customers

Since 2002, INDEX has offered multi-functional production centres in which different process technologies can be integrated in one machine. The complete machining means not only that quality and precision are higher but also that production costs, in particular, are reduced as a result of the shorter throughput times. This benefit is appreciated by INDEX customers worldwide, as it strengthens their competitiveness. The main customers of INDEX turning machines include, above all, companies from the automotive and automotive supplier industries, from the mechanical engineering,

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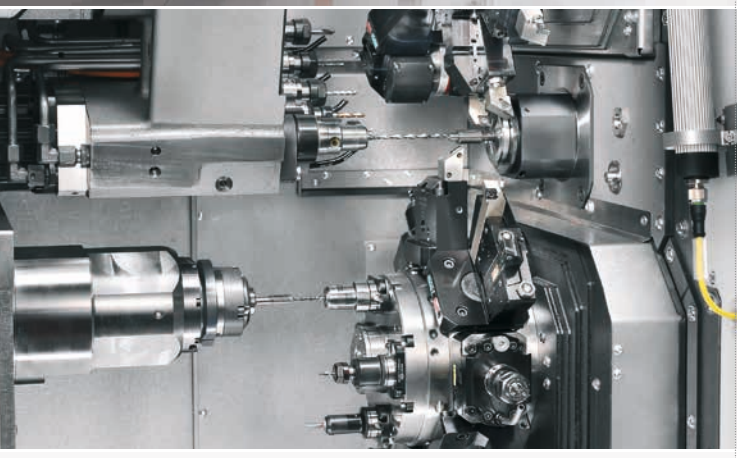

electrical engineering, and electronics sectors, as well as manufacturers of fluid technology and of controls and instruments. Growth markets are to be found in medical technology and in the aerospace industry.

INDEX has many years of experience with difficult-to-machine materials such as titanium, cobalt, chrome and stainless steel and is a competent partner for the production of implants, e.g. hip, shoulder and spine. In addition, INDEX has high-tech solutions for the production of a wide variety of bone screws and dental abutments. The solutions are designed individually with the customer reduce machining times and ensure safe processes.

Everything from one source

The particular strength of the INDEX Group lies in the development of the best production solution for each customer. With its INDEX and TRAUB brands, the Group offers the largest programme for complete machining of turned parts, both for series and single-item production. The application engineers can draw on this basis when developing ideal production strategies for their customers. Particularly with geometrically demanding and highly precise workpieces, the engineering services for customers are of inestimable benefit. Engineering, along with research and development, has a key role at INDEX. More than 10 percent of all staff are employed in this field, and they contribute with their know-how and their ideas to ensuring that INDEX and TRAUB customers have a competitive advantage.

Quality, made in Germany

INDEX and TRAUB consciously count on Germany as a production location and produce important components on their own turning machines and turn/mill centres. Motivated and superbly qualified employees ensure the high quality of the machines, each one reflecting their diligence and attention to detail.

Name › **KERN & SOHN GmbH**

Address/P.O. Box › **Ziegelei 1**
Postal Code/City › **72336 Balingen**
State › **Baden-Wuerttemberg**
Contact Person › **Julia Sauter**
Telephone › **+49-7433-9933-0**
Fax › **+49-7433-9933-146**
Email › **info@kern-sohn.com**
Website › **www.kern-sohn.com**
Social Media ›
Number of Employees › **150**
Founded (year) › **1844**

Areas of Activity ›
- **Medical scales**
- **Height measuring systems**
- **Veterinary scales**
- **Organ scales**
- **Hand grip dynamometers**
- **Microscopes**
- **Microscope cameras**
- **Refractometers**
- **Laboratory balances**
- **Test weights**
- **Measuring instruments**
- **Calibration & verification services**

KERN – Your competent partner for medical scales for hospitals, clinics, retirement homes, health care facilities, and doctors' practices.

KERN & SOHN was founded in 1844 and is Germany's oldest precision balance manufacturer. Already in its 8th generation, the owner-managed company manufactures high-precision scales. By concentrating on quality and developing customer-oriented products, KERN is synonymous worldwide with quality, precision, service, and reliability.

Especially in the medical environment, scales are subject to extensive standards and regulations that serve to protect consumers and patients. Beyond these standards, our certified quality management system and our many intensively trained medical product consultants ensure fast and competent product advice on all aspects of medical weighing technology.

KERN & SOHN offers its partners a wide and competitive range of scales and size measuring rods with and without medical approval (93/42/EEC), e.g.

- Baby scales
- Personal scales
- Chair scales
- Wheelchair scales
- Handrail scales
- Bathroom scales and body fat scales
- Organ scales
- Laundry trolley scales
- Hand grip dynamometers
- Size measuring systems
- Veterinary scales

In the development of the medical scales and measuring instruments, attention was paid to materials that are easy and hygienic to clean. Special attention was paid to ergonomics to ensure maximum safety for the patient and maximum efficiency in operation for the user. All electronic scales can be operated by battery or rechargeable battery and are therefore independent of mains power. Thanks to the large number of models

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with a wide variety of features, weighing and measuring data, interfaces, accessories, etc., the most diverse requirements and areas of application can be covered.

In addition, the weighing and measuring technology specialist offers a comprehensive programme of

- Microscopes
- Microscope cameras
- Refractometers
- Polarimeters
- Laboratory balances
- Industrial scales
- Measuring instruments in the fields of force, layer and material thickness, torque, and sound and light measurement technology
- OIML test weights
- DAkkS calibration services, verification services

The trade customers and users of KERN products benefit from the many advantages on several levels:

- Enormously wide range of weighing technology, measuring technology, microscopes, refractometers, as well as calibration services, verification services
- Fast delivery by express parcel service
- Immediate purchase or convenient instalment financing
- 3-year warranty on high-quality medical scales, microscopes, analytical balances, laboratory balances, industrial scales
- Telephone hotline from 8:00 - 18:00 in the languages DE, EN, FR, IT, ES
- Catalogues and brochures in the languages DE, EN, FR, IT, ES
- Product information, technical data sheets, etc. on the website available 24/7 in the languages DE, EN, FR, IT, ES, PT, NL

KLINGEL
medical metal

Name ›	Klingel medical metal GmbH
Address/P.O. Box ›	Hanauer Strasse 5–7
Postal Code/City ›	75181 Pforzheim
State ›	Baden-Wuerttemberg
Contact Person ›	Ralf Petrawitz
Telephone ›	+49-7231-6519-0
Fax ›	+49-7231-6519-70
Email ›	info@klingel-med.de info@klingel-group.de
Website ›	www.klingel-med.de/ www.klingel-group.de
Social Media	
Number of Employees ›	330 (870 group)
Founded (year) ›	1986
Areas of Activity ›	Contract manufacturer with one-stop shop service for the medical application fields: | dental (implants, abutments, instruments) | orthopaedics and trauma (implants and tools for spine, hip, knee) | endoscopy (housings, guiding parts, optical parts) | cardio(vascular) systems (micro parts for blood supply, heart valves, pacemakers) | robotic assisted surgery (endoscopic parts, housings, joints) | medical devices (sensor and light housings, parts and assemblies with mechanical function)
Annual Turnover ›	€29,7m (€78,5m group) in 2021
External Collaborations ›	Part of Klingel medical metal group with its partner companies | Klingel medical metal GmbH, Pforzheim (D) | Josef Ganter Feinmechanik GmbH, Dauchingen (D) (since 2015) | Bächler Feintech AG, Hölstein (CH) (since 2019) | Puracon GmbH, Rosenheim (D) (since 2020) | Ruetschi Technology AG, Muntelier (CH) (since 2021)

Metal Precision for Medical Purposes

Since its founding more than 30 years ago, the Klingel medical metal GmbH has developed into a Europe-wide leading company in the area of precision engineering. The machining specialist develops and manufactures high-precision, functional components from hard-to-machine materials, primarily stainless steel and titanium, in uncompromising quality and technical aesthetics. The products of the full contract manufacturer meet the highest standards of medical technology and other sectors, such as measurement and control technology and aviation and aerospace. The high-quality services with their long-standing core competences in precision CNC-machining are based on decades of experience and expertise in the specific characteristics of the materials. Klingel medical metal is certified according to DIN EN ISO 13485:2016 and is FDA-registered. The 330 employees work in compliance with certified and traceable process instructions, which are reliably documented.

Together with Josef Ganter Feinmechanik in Dauchingen, Puracon in Rosenheim, Bächler Feintech in Hölstein and Ruetschi Technology in Muntelier (both Switzerland), the company belongs to the Klingel medical metal group with its headquarters in Pforzheim. The “mother company” of this merger has four plants in the industrial zone “Altgefäll” with a total production area of 16,000 square meters. The unparalleled one-stop shop of the Klingel medical metal group with its four partners offers its customers a large selection of technologies and a wealth of experience in processing complex, hard-to-machine materials and geometries. The meticulously planned process and interface management ensure maximum efficiency and reduced throughput times. With its sustainable growth strategy, including continuous investments in state-of-the-art machinery, new manufacturing technolgies, and automation, the Klingel medical metal group stands for long-lasting partnerships. Our customers rely on the highest quality in metal precision with minimal tolerances and maximum functionality – made in Germany and Switzerland.

One-stop-shop for medical components

Klingel medical metal manufactures and finishes medical parts such as dental implants as well as orthopaedic and spine implants and tools, but also instruments and components for endoscopy, minimally invasive and robotic surgery, (cardio)vascular systems, and medical devices. Based on our high in-house competence for a broad, customised value-added service, we work on more than 200 CNC turning and milling centres and special machinery. Our highly qualified staff are experts at the conjunction of raw material specifications and process know-how for CNC machining, assembling, and surface finishing.

From small and mid-size series up to six-digit mass production quantities, Klingel medical metal produces high-precision mechanical CNC turned and milled parts, wire-eroded components, and ready-to-install and 3-D free-form components – even at short notice if required, and with packaging and logistics included.

We can establish your individual manufacturing process in our one-stop-shop system, which includes

- Design for manufacturing /Prototyping
- Metal laser sintering
- Machining (turning/milling/erosion)
- Injection moulding
- Cleaning
- Surface finish (electropolishing, anodising, coating, grinding)
- Laser welding, cutting and marking
- Assembly, 100% inspection, sterilisation
- (Sterile) Packaging
- Logistics

Ein Unternehmen der Klingel medical metal group
A company of Klingel medical metal group

KUMA VISION | ERP CRM BI CLOUD

Name › **KUMAVISION AG**

Address/P.O. Box › **Oberfischbach 3**
Postal Code/City › **88677 Markdorf**
State › **Baden-Wuerttemberg**
Contact Person › **Siegfried Kratsch**
Telephone › **+49-7544-966-200**
Fax › **+49-7544-966-101**
Email › **kontakt@kumavision.com**
Website › **www.kumavision.com**
Social Media ›
Number of Employees › **750**
Founded (year) › **1996**

Areas of Activity › **KUMAVISION is a leading provider of ERP industry software for medical technology companies. CRM and business intelligence as well as DMS and IoT solutions complement the portfolio of the Microsoft Gold Partner.**

- **Integrated ERP industry software for all business units**
- **Mapping of regulatory requirements (MDR, ISO 13485, FDA, UDI)**
- **Best practice processes for medical technology manufacturing and medical device distributions**
- **New business models (pay-per-use, predictive maintenance)**
- **Direct IoT integration into ERP software**
- **CRM, business analytics, mobile apps**
- **Digital Transformation Consulting.**
- **International projects as well as group integration**
- **25 years of experience, 1,800 successful projects**

Annual Turnover › **€101m (2020)**

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MedicalMountains

ERP industry software for medical technology companies

KUMAVISION's integrated ERP industry software based on Microsoft Dynamics 365 supports medical technology companies by mapping the entire product lifecycle in a single software solution for all business areas.

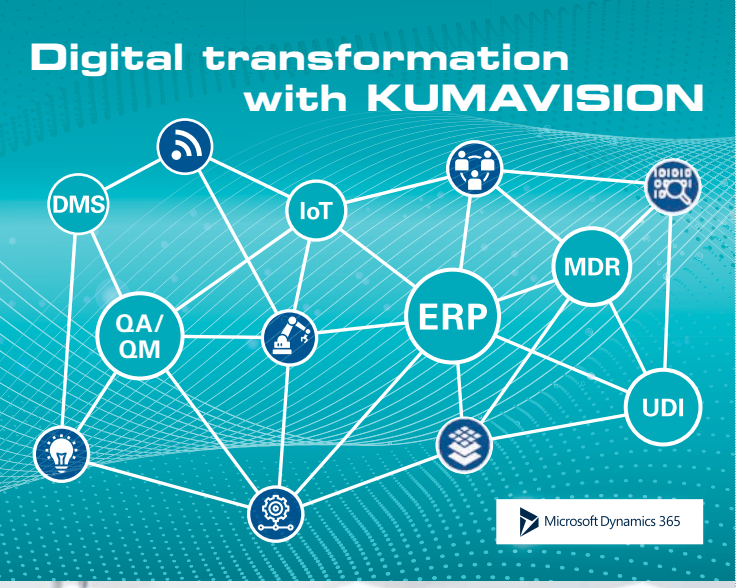
Your benefits: More efficiency through automated processes, more transparency through up-to-date key figures, more compliance through consideration of regulatory requirements and more future-proofing through a modern technology platform.

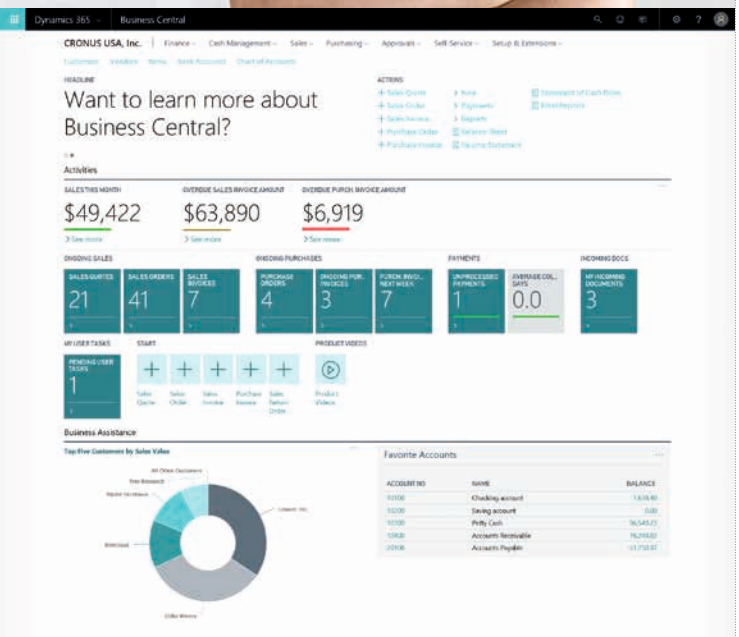
Compliance as standard

Over 350 best-practice processes in the industry software ensure that regulatory requirements (MDR, ISO 13485, FDA, UDI, ...) are always met. Seamless traceability as well as approval workflows and audit trails contribute to this. Whether serial and batch numbers, expiry, sterile and production data, the documentation of the used production equipment, or external production processes: KUMAVISION's industry software with integrated DMS system provides all the necessary functions for meeting regulatory requirements. In quality assurance, random sampling, test orders including test equipment handling and automated supplier evaluation ensure a consistent high level of quality. The risk and complaints management (FMEA/CAPA), which is also integrated, covers the entire product life cycle from research and development to procurement, production and after-sales service. The ERP software also offers comprehensive UDI support including printing and automated upload (GUDID/EUDAMED).

Ready for validation

The KUMAVISION industry software is fully validation capable. Various validation packages including numerous templates and service offers support you on your way to a successful validation.





Your partner for digital transformation

With KUMAVISION, you are not only choosing ERP industry software for medical technology. You are choosing the ground-breaking technology platform Microsoft Dynamics 365, which provides all business applications from ERP to CRM for sales, service and marketing to business analytics, Office 365 as well as IoT in a unified ecosystem – without any data silos.

Whether new business models such as pay-per-use or predictive maintenance, direct IoT integration in the industry software for automated documentation of production parameters, or paperless workflows including offline-capable apps for the field service: with KUMAVISION you lay the foundation for the successful digital transformation of your company. Our experts offer you holistic consulting and support from strategy to implementation and operation.

About KUMAVISION

KUMAVISION is one of the world's leading partners for Microsoft Dynamics 365 Business Central (formerly Navision).

Over 750 employees and the experience from 1,800 successful projects stand for a unique combination of industry, consulting and technology competence.

LASERVORM

Name › **LASERVORM GmbH**

Address/P.O. Box › **Suedstrasse 8**
Postal Code/City › **09648 Altmittweida**
State › **Saxony**
Contact Person › **Katrin Mikley-Kirchner**
Telephone › **+49-3727-9974-0**
Fax › **+49-3727-9974-11**
Email › **marketing@laservorm.com**
Website › **www.laservorm.com**

Number of Employees › **70**
Founded (year) › **1994**

Areas of Activity › **laser machine construction, laser subcontracting, and the servicing of its own laser machines**

LASERVORM GmbH – a medium-sized, owner-operated company – was founded in 1994 by experts in laser technology, manufacturing technology, and mechanical engineering. The location near Chemnitz in Saxony has a long tradition in laser technology as shortly after the invention of the laser, research and teaching in laser technology became an important feature of the location. From its first location in the Technology Park Mittweida, the company moved to the industrial estate in neighbouring Altmittweida, where it has been working in its own premises ever since. In 2019, the company invested once again in the structural expansion of the production area and administration building, so that today there is a production area with expandable capacities now available.

LASERVORM is active in three main areas of business: laser machine construction, laser job order production, and the servicing of its own laser machines.

Laser mechanical engineering

The business division develops and designs its own systems, procures purchased parts, and then assembles and commissions them in-house.

The range of products extends from modularly designed machine systems LV Midi and LV Mini for welding and surface processing to robot solutions and manual laser workstations, pilot systems, and customised special solutions. Here, too, the customers come from the most diverse branches of industry: medical and precision engineering, mechanical engineering, research and development, automotive suppliers, and many more. LASERVORM machines are in use worldwide.

Laser job order production

The laser subcontracting division flexibly processes components provided by the customer, from single parts to large series. Ten differently equipped laser systems

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are available. The main focus is on laser welding, laser hardening, and laser material applying welding. The component sizes to be processed at LASERVORM range from micro, e.g. for medical technology applications, to macro, such as forming tools with a component weight of several tonnes. Among the main customers of the very broadly based contract manufacturing business are companies from the automotive, precision engineering, power generation, electronics/sensor technology, medical technology, tool and mould making, and mechanical engineering sectors.

Service

The still young service division supports customers from the mechanical engineering sector by providing service, maintenance, and spare parts. Modern remote maintenance solutions and highly trained service personnel are the accompanying guarantee for effective machine utilisation over years and – as repeatedly proven – decades.

The following products should be of particular interesting for pharmaceuticals and medical technology:

LV®Trace: What is really happening in my laser system? Accurate to the microsecond of process-relevant parameters – assignable to exact workpiece coordinates – important for quality assurance and documentation as well as the basis for the AI-based optimisation of laser processes.
LV®TeachOnTheFly: Single components? Small series? Technology developments? LV®TeachOnTheFly drastically saves time and lowers the risk of error.
LV®Adaptive: Component and/or fixture tolerances do not match the precision requirements of your laser processes? LV machines adapt automatically.
LV®ScanMatrix: Scanner for beam shaping in laser processes from a technological point of view.
LV®NCScanner: Scanner axes as an integral part of a motion system.

LRE Medical

Name ›	LRE Medical GmbH
Address/P.O. Box ›	Hofer Str. 5
Postal Code/City ›	86720 Nördlingen
State ›	Bavaria
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Telephone ›	+49-89-354-803-0
Fax ›	+49-90-91-800-67
Email ›	info@lre.de
Website ›	https://www.lre.de
Social Media ›	in ✕
Number of Employees ›	270
Founded (year) ›	1961
Areas of Activity ›	Medical Technology, Healthcare Technology, Contract Development & Manufacturing, Instrumentation for Life Sciences, Diagnostic Equipment, IVD Instrumentation, PoC Devices

Creating solutions. Improving lives.

LRE Medical combines technological, engineering, and consulting competencies to create products that bring patients and diagnostic instruments into immediate proximity. In doing so, we foster the continuous advancement of diagnostics and measurement systems and, thus, help the well-being of people worldwide.

With our wide range of expertise that covers the complete product life cycle, we develop tailormade products and produce them in small to medium-sized batches. These full-service one-stop-shop capabilities offer the greatest possible flexibility, efficiency, and effectiveness for our customers, which range from start-up to medium-sized companies up to globally represented large corporations in the IVD (in-vitro diagnostics), life sciences/analytics, and MedTech industries.

We cooperate closely with corporations, companies, and start-ups to realise their individual projects to their exact requirements and product specifications – from the initial idea to the finished product in all phases of the product lifecycle.

Our purpose of proficiency

We are here to help. This simple mindset is a defining factor of our daily doing and conduct. We pride ourselves in providing our customers reliably with excellent products that positively impact people worldwide. Likewise, this readiness to help and to cooperate permeates LRE internally, making each employee a driving force behind our collaborative success.

Long-lasting, international impact

We are here to stay. Our ability to deliver long-lasting quality and to continuously use and implement the latest technologies has established us as the long-term partner of trust for many companies. Together we push the boundaries and realise the progress of diagnostics on an international scale.

Member of

MedTech Pharma

Integrated excellence

We are here for you. Every project and product we take on is developed and manufactured from the ground up to the requirements and exact specifications of our customers. In order to master this high degree of project individuality, our departments work closely together – from the first consultation to the product-optimising feedback of the after-sales service.

MEETING CUSTOMERS' NEEDS

We deliver state-of-the-art products for:

- Vitro Diagnostic Devices
- Life Sciences Equipment
- Analytical Instrumentation
- MedTech

HIGH QUALITY – WHEREVER. WHENEVER

- Handheld applications (Patient Self Testing, Environmental Testing, etc.)
- Point of Care / Point of User / Near Patient Testing
- Laboratory

mayr®

your reliable partner

Name › mayr® power transmission

Address/P.O. Box › Eichenstrasse 1
Postal Code/City › 87665 Mauerstetten
State › Bavaria
Contact Person › Bernd Kees
Telephone › +49-8341-804-2607
Fax › +49-8341-804-492607
Email › bernd.kees@mayr.de
Website › www.mayr.com
Social Media ›
Number of Employees › 1,200
Founded (year) › 1897

Areas of Activity ›
- Electromagnetic ROBA-stop® safety brakes for the holding, positioning, and securing of medical devices and furnishings such as surgery-supporting robots, X-ray devices, tomography beds, electric wheelchairs, surgical microscope stands, etc.
- Load-disconnecting EAS® torque limiters in medical devices such as tomography beds, etc.
- Electromagnetic, energise to engage ROBA®-quick brakes, for example in therapy devices for muscle build-up
- tendo® DC motors, for example in devices used to look at X-ray images

External Collaborations › VDMA Arbeitsgemeinschaft (German Engineering Federation) for medical technology

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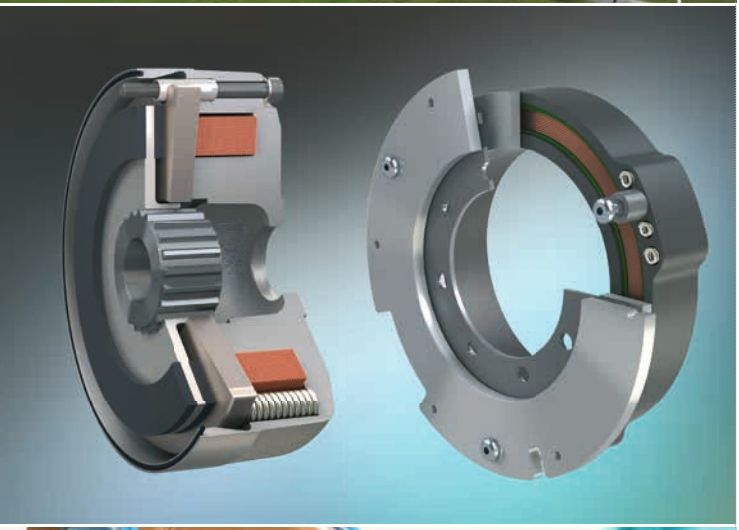
Safety does not allow for compromises

mayr® is an internationally-leading company for mechanical power transmission. Every day, clutches, couplings, and brakes made in the Allgäu region safeguard machine movements worldwide. This task does not permit compromises on quality – especially in medical engineering, because the safety of patients has utmost priority at all times.

Whether in x-ray devices, surgical microscopes, electric wheelchairs, or in surgery-supporting robots – mayr® safety brakes have a wide field of application in medical engineering. High-tech devices often require individual brake solutions. For this purpose, mayr® power transmission provides a wide portfolio of application-optimised safety brakes based on market-tested series products. These fulfil individual customer wishes and distinguish themselves by the same quality, technical maturity, and safety as standard products. For example, during surgery the robot arm must not under any circumstances wobble or sink. The brakes must hold determined positions accurately and backlash-free, and simultaneously operate extremely quietly. This task does not allow for concessions in quality, because safety does not allow for compromises.

Short switching times and high performance density

Safety brakes by mayr® power transmission are tailor-made to the requirements of medical engineering. They ensure reliable, constant holding torques throughout their entire service life and convince by extremely short switching times and high performance density despite low energy consumption. Furthermore, a long service life, minimal maintenance, and simple and quick installation make these brakes a particularly cost-effective solution. Depending on the requirements, the brakes are equipped with integrated noise damping. Every individual safety brake which leaves the mayr® power transmission works must pass a 100% inspection after complete assembly and adjustment. All measurement values determined are recorded with the corresponding serial number of the brakes in an electronic database.



This guarantees 100% traceability. These comprehensive tests and checks are a central component of the mayr® understanding of reliability and quality. They ensure that the values stated in the catalogue can also be reliably achieved and that the brakes function under all ambient conditions.

Reliable partner since 1897

Due to its quality standards, mayr® power transmission has gained the trust of many leading industrial companies as a reliable partner worldwide. Quality is not just theory at mayr® power transmission, but also an integral component of our corporate culture, which the company has incorporated in all processes, products, and structures since it was founded in 1897. The guiding principles of our renowned family-run company are safety, reliability, and innovation – not only in Mauerstetten, the German company headquarters, but also in all international locations. mayr® power transmission operates two further production sites in Poland and China, and is globally represented with sales subsidiaries in the USA, France, Great Britain, Italy, Singapore and Switzerland, and additionally with over 40 further national offices.

MIKRON TOOL

Name › **Mikron GmbH Rottweil Abteilung Werkzeuge**

Address/P.O. Box › **Berner Feld 71**
Postal Code/City › **78628 Rottweil**
Country › **Baden-Wuerttemberg**
Contact Person › **Simon Sprissler**
Telephone › **+49-741-5380-450**
Fax › **+49-741-5380-480**
Email › **info.mtr@mikron.com**
Website › **www.mikrontool.com**
Social Media ›

Number of Employees › **245 (worldwide)**
Founded (year) › **1998**

Areas of Activity › **Development and fabrication of cutting tools**

Annual Turnover › **€45m**
Relevant R&D budget › **€1.4m**

External Collaborations › **DMQP (DMG MORI Quality Products)-Programme**

Tools are our passion, small dimensions are our specialty, and hard-to-machine materials are our challenge. Every day at Mikron Tool is dedicated to achieving the best possible results in these areas.

Mission – Mikron Tool

We are working daily to achieve a leading position worldwide in the high-precision machining of small dimensions and challenging materials. This includes the regular development of new and unique tools as well as customer-specific solutions. In everything we undertake, a high level of competence is important. Focusing on our strong points is the key to our success. These include our well-trained and motivated employees, intensive development activities and investment in the most advanced production technologies.

MedTech Solutions – the tool range

The highest quality, precision, and process reliability are some of the main criteria when manufacturing medical devices, wether you are speaking about implants (trauma, prostheses or screws), instruments, or devices. This is exactly where our strength lies: in the development of carbide cutting tools for machining high-quality and biocompatible materials such as stainless steels, titanium, or chrome-cobalt alloys. We offer standardised tools for drilling, milling, and deburring in a diameter range from 0.1 to 8 mm as well as customised solutions up to 32 mm for all machining operations.

Latest innovations

A product is considered NEW at Mikron Tool only when it is unique and with high added value for the user. Without a doubt, this is true for every single CrazyLine product. For example:

Machining hexalobular sockets for bone screws

CrazyTool Hexalobe is a new concept for machining hexalobular sockets on medical screws (better known as Torx® sockets) made of stainless steel or titanium. A combination drill and a milling tool is all you need to


Technology Center, Agno/Switzerland


CrazyTool Hexalobe for bone screws

Bone Plate by Mikron Tool

R & D Team

complete the four operations (predrilling – chamfering – milling – deburring). In three steps you reduce the cycle time by 50% whilst achieving a highly precise profile and an excellent surface quality.

Reducing machining time for bone plates

Integrated cooling, high- performance coating and carbide, adapted cutting geometry, all combined with an optimised cutting strategy – these are some of the features of our performance cutting tool package (CrazyDrill and CrazyMill product lines). With this we are able to reduce the machining time from two hours to 48 minutes for a distal radius plate made of titanium.

Technical support

How to produce a new part with the best adapted tools? What is the right tool for a new material? How to optimise quality and cycle time in an existing process? How to be more efficient and maximise my possible cost saving? Shall I use standard tools or rely on a special solution with combined tools? To answer all these questions, we are at your disposal with our Technology Centre and our specialised cutting tool team!

Quality made in Switzerland and Germany

All our tools are produced in Switzerland or Germany, where identical production facilities, machine programmes, measuring instruments, and skilled tool grinders guarantee the same level of quality for all our products.

Name › MMM
Münchner Medizin Mechanik GmbH

Address/P.O. Box › Semmelweisstrasse 6
Postal Code/City › 82152 Planegg/Munich
State › Bavaria
Telephone › +49-89-899-180
Email › info@mmmgroup.com
Website › www.mmmgroup.com
Social Media ›
Number of Employees › 1,200 worldwide
Founded (year) › 1954

Areas of Activity ›

Healthcare –
hospital sterile supply departments
- Cleaning and disinfection
- Sterilisation
- Packaging
- Logistics
- Documentation
- Mobile RUMED units
- Services & validation
- Consulting and planning
- Training and academy

Life Sciences –
laboratory and pharma industry
- Cleaning and disinfection
- Sterilisation
- Heat technology
- Services & validation
- Consulting and planning

Member of

SPECTARIS Medical Technology

MedTech Forum Pharma

MMM. Protecting human health

MMM Group has been operating worldwide as one of the leading system providers in the service of health since 1954.
With a full portfolio of products and services pertaining to sterilisation and disinfection systems for hospitals, scientific institutes, laboratories, and the pharmaceutical industry, MMM has positioned itself as a crucial quality driver and innovator on the German and international markets.

1,200 employee's expertise to the mission of the MMM

At our production plants in Stadlern (Bavaria) and Brno (Czech Republic), we manufacture products tailored to the needs of our customers around the globe. With both of these production sites, we ensure a high manufacturing depth and thus meet the extensive quality requirements of the medical technology industry.

Complete solutions for greater effectiveness

Our regional sales and service centres are proud to offer an ethos of customer focus and dedicated project management. Our customers can rely on us to find the very best solutions tailored to their individual needs – both reliably and quickly. Whether it involves installing new devices or bringing existing devices in line with current guidelines by installing MMM upgrades – we have the perfect solution for everyone.

MMM as a holistic provider

Our services cover detailed planning and consultation, products and their software, installation, logistics and service, which includes the validation of all processes in the RUMED, right through to the end-to-end project management of extensive construction works.

Our quality “made in Germany” sets us apart

The high vertical range of manufacturing in our production plants ensures that we fulfil the strictest demands of quality for our customers. Our products “made in Germany” have garnered international recognition and meet the strict requirements of the medical technology sector.

Reliability is our commitment

You can rely on the durability of our products and their outstanding level of quality, as well as on our effective customer service. The high level of satisfaction amongst our customers and the extraordinary dedication of our staff speak for themselves.

We maintain strong partnerships

At the intersection between people and machines, and between business growth and social responsibility, we attempt to strike a balance among the interests of everyone involved and maintain cooperative relationships on a level playing field.

We are committed to your needs

With expert servicing, innovative products and services, and in our lively discussions with our customers, suppliers, and employees we do everything necessary to ensure that MMM continues to live up to its reputation as an outstanding provider of goods and expertise in the sterile goods sector.

MULTIVAC

Name › **MULTIVAC**
Sepp Haggenmüller SE & Co. KG

Address/P.O. Box › **Bahnhofstr. 4**
Postal Code/City › **87787 Wolfertschwenden**
State › **Bavaria**
Telephone › **+49-8334-601-0**
Fax › **+49-8334-601-199**
Email › **muwo@multivac.de**
Website › **www.multivac.com**
Social Media ›

Number of Employees › **6,900**
Founded (year) › **1961**

Areas of Activity › **MULTIVAC is one of the leading providers worldwide of packaging solutions for food products of all types, life science and healthcare products, as well as industrial items.**

Reliable packaging solutions for the life science and healthcare industry

In 1968 MULTIVAC launched its first packaging solution for sterile medical products. What at that time began as an offshoot of the core business of food packaging solutions, is today a highly specialised business unit, which develops solutions for the automated packaging to GMP standards of medical items, pharmaceuticals, and biotech products.

Packaging solutions from MULTIVAC – flexible, modular, intelligent

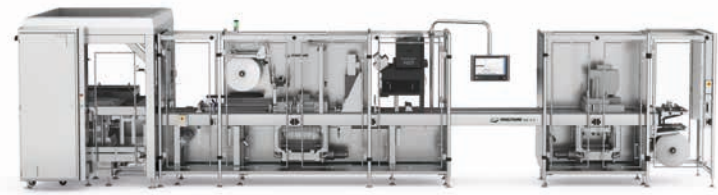
Changing regulations, shorter life cycles for products, and the transition to just-in-time production have resulted in ever smaller batch sizes in the medical industry and pharmaceutical sector. At the same time, the industry is developing increasingly complex and sensitive products and applications, which in some cases are even tailored to individual patients. Many products are also having to be packed in ever smaller batches in order to meet regional and statutory specifications. These trends require packaging machines that can be converted quickly and easily to other pack formats or materials, so that short set-up times can be achieved.

For these applications MULTIVAC provides flexible and customer-specific packaging solutions, which are characterised by their modular construction. This means that new components, such as identification and inspection solutions, can be integrated very easily.

To ensure strict compliance with the statutory requirements within the sector, MULTIVAC offers a wide range of innovative packaging solutions. This machine concept is specially designed for the demands of the life sciences and healthcare industries, and it takes into consideration aspects of the packaging machine such as process reliability, ease of cleaning, cleanroom compatibility, and compliance with requirements on cleanliness.

Member of

VDMA
Working Group Medical Technology



MULTIVAC is also working on the development of digital solutions and services, so that it can offer companies the required added value. Thanks to its comprehensive sensor system and seamless digitisation, the RX 4.0 thermoforming packaging machine creates a completely new dimension in terms of maximum packaging reliability and consistent pack quality. The machine is also prepared for networking with the MULTIVAC Cloud, and this offers even more potential uses in digital services, for example.

About MULTIVAC

MULTIVAC is one of the leading providers worldwide of packaging solutions for food products of all types, life sciences and healthcare products, as well as industrial items. The MULTIVAC portfolio covers virtually all manufacturer requirements in terms of pack design, output, and resource efficiency. It includes a variety of packaging technologies, as well as automation solutions, identification, and inspection systems. Thanks to comprehensive line capability, all modules can be integrated into complete solutions. Thus MULTIVAC solutions ensure a high degree of operational and process reliability, as well as high efficiency.

The MULTIVAC Group has approximately 6,900 employees worldwide, with some 2,300 based at its headquarters in Wolfertschwenden. With over 80 subsidiaries, the Group is represented on all continents. More than 1,000 sales advisors and service technicians throughout the world use their know-how and experience to the benefit of customers, and they ensure that all installed MULTIVAC machines are utilised to their maximum.

Further information can be found at:
www.multivac.com.

Name › OCTUM GmbH

Address/P.O. Box › Renntalstraße 16
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Email › info@octum.de
Website › www.octum.de
Social Media ›
Number of Employees › 51
Founded (year) › 01.02.1996

Areas of Activity › Machine Vision

Experts in Machine Vision solutions.

For 25 years, our customers worldwide have been receiving machine vision solutions for the inspection and identificationof a wide range of parts for our target industries of pharmaceutical, medical, and healthcare technology. Forinline optical quality inspection and material flow control in serial production, we develop and implement individual machine vision solutions based on globally available and proven technologies. A competent and dedicated team provides innovative, process-reliable solutions to meet your precise requirements. With more than 5.500 process-safe installed systems, OCTUM is one of the most successful suppliers in the industry.

We provide your ideal solution.

Safety is the most important factor for pharmaceutical products. Industrial machine vision guarantees reproducibleand traceable process steps in the manufacture of your products – the best technology to keep track of each processstep and document the results. With every installation you benefit from many years of experience in an environment where safety is the number one priority. Besides inspection solutions, we also provide machine vision solutions for the identification of all kind of markings on pharmaceutical and medical products based on OCR, OCV, and code reading tools for standard 1D and 2D codes either printed or as DPM codes and characters. Our inspection systems comply with GAMP5 directives and fulfil as well the requirements of 21 CFR Part 11.

OCTUM Machine Vision systems cover the following areas:

vial.inspect

- Quality assurance of vials
- Empty vial inspection
- Opening inspection
- Stopper seat inspection
- Crimping inspection
- Print inspection (on crimping caps and flip-offs)
- Type and damage inspection

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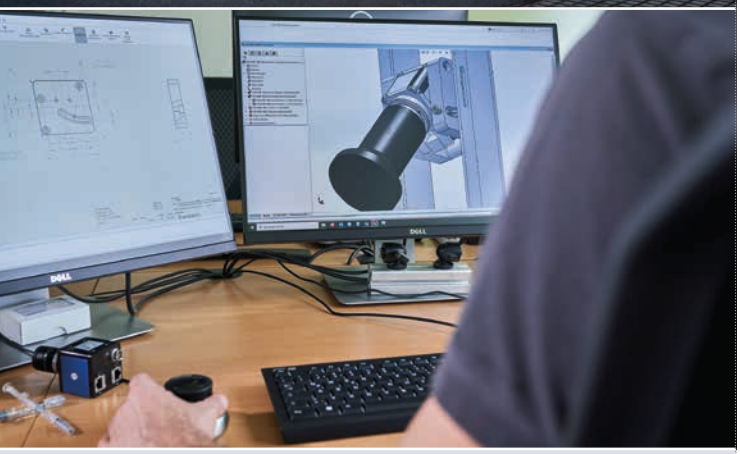

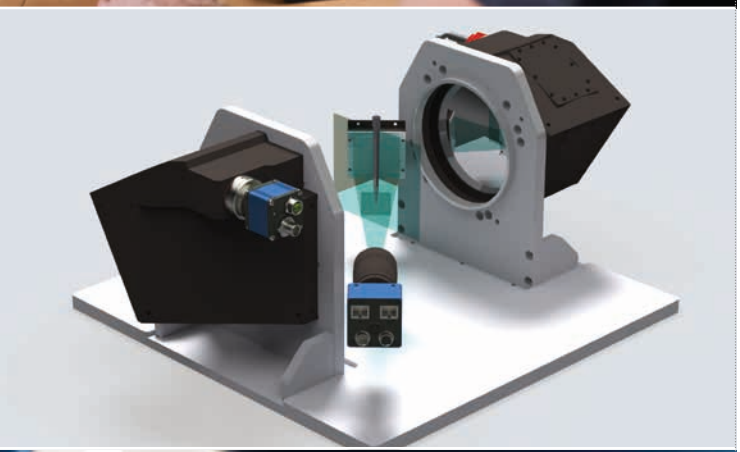

syringe.inspect
- Quality assurance of syringes
- Syringe length measurement
- Finger flange damage inspection
- Plunger assembly inspection
- Label position and LLA inspection
- Piston rod assembly inspection
- Completeness in the syringe nest

tray.inspect
- Quality assurance of trays and tubs
- Completeness of the syringe nest and tray
- Tyvek position and seal joint inspection
- Printing inspection on tub and nest

label.inspect
- Quality assurance of printed labels
- Verification and quality of plain text
- Verification and grading of all common codes
- Check of label position

patch.inspect
- Quality assurance of wound care products
- Contamination and sealing
- Dimensions, shapes, and print inspection
- Structure and completeness of the layers

pipette.inspect
- Quality assurance of pipette tips
- Dimensions and shapes
- Roundness inspection and webbing ridges
- Bending, deformation, and skew position
- Presence inspection and particle inspection
- Completeness in the rack

ampoule.inspect
- Quality assurance of ampoules
- Ampoule head contour inspection
- Inspection for burn marks
- Printing inspection and height control
- Inspection of colour rings and damages

We support you in the fulfilment of legal specifications throughout the entire pharmaceutical production process and guarantee you a constant and faultless production with rapid ROI. We would be happy to show you the best solution for your Application – contact us!

Oemeta
The Coolant Company

Name › Oemeta Chemische Werke GmbH

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State › Schleswig-Holstein
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Email › voss@oemeta.com
Website › www.oemeta.com
Social Media › in
Founded (year) › 1916

Areas of Activity › Metal removal fluids, industrial fluids

A tradition for the future in MedTech production

Although Oemeta Chemische Werke GmbH has been in the market for over 105 years, its coolant technology is designed for tomorrow's expectations. The requirements of medical technology manufacturing were considered in product development specifications for state-of-the-art coolants before tailoring a whole product line to MedTech. Oemeta has always been on the forefront of modern and visionary philosophies in coolant technology and is known to have best practice expertise.

Ongoing, as well as global challenges in the MedTech environment are monitored and taken care of by assigned R&D and production efforts, with manufacturing capabilities in Germany, China, and the US. Competences and experiences from various industries influence the design of new products, whether the focus is on sustainability, process optimisation, or regulatory affairs, etc. The fundamental bases for any Oemeta products are the global, current, and upcoming regulatory legislation for chemical ingredients and raw materials.

Process performance, human compatibility, and economic efficiency have always been the core philosophies at Oemeta, but since technology is developing at an even faster pace and demographics show that society is getting older, medical technology is playing an increasingly important role.

The new MedTech product portfolio from Oemeta is tailored to the requirements of modern manufacturing processes and advanced materials. Highly sophisticated materials such as titanium, tantalum, niobium, magnesium, ceramics, polymers, etc. are the standards of today's medical world and require specific coolants to achieve safe and efficient machining results.
Coolants must not have any influence on material surfaces and structural integrity, must be bio-compatible for any absorbent material, and still fulfil the manufacturing requirements for sump life, clean working environment, tool wear and equipment protection. A very fine line for perfection!

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The European MDR requires any manufacturer of medical parts/equipment to implement quality management documentation to EN-DIN 13485 to ensure all regulatory specifications are met. Part of this auditing process is the qualification of the final product as bio-compatible, based on EN-DIN 10993. If the final product is qualified, the process is locked in and no changes are accepted without a new and full auditing process. In the event that the manufacturing fluids need to be replaced for newer technology, proven non-cytotoxic fluids can ease the re-evaluation of the process. Oemeta's non-cytotoxic neat machining oils, water-miscible coolants, and cleaners contribute to the biocompatibility of the production process. Or in other words:
You do not have to eliminate cytotoxic ingredients if you do not introduce any to the process!

The US FDA, the European MDR, the Chinese NMPA, and others regulate the global quality management of medical devices and parts. A significant milestone in the qualification of any new and existing medical manufacturing is the non-cytotoxicity of the process fluids.

Oemeta has an extensive product portfolio of oils, coolants, and a cleaner that pass the test acc. to EN-DIN 10993-5 (Cytotoxicity), and that can be used on the most demanding operations, as well as in standard applications with great cleanliness and excellent efficiency.

And finally:

A coolant is only as good as the consulting and service provided by the manufacturer or it's representatives. Feel free to ask Oemeta for optimisation potentials or process consulting.

Contact:

Oemeta Chemische Werke GmbH
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State › **Thuringia**
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Email › **info@piceramic.com**
Website › **www.piceramic.com**
Social Media › **in**
Number of Employees › **390; 80 engineers**
Founded (year) › **1992**

Areas of Activity › **Piezoceramic components, ultrasonic transducers and actuators for medical technology, e. g.**
| Therapeutic and Surgical Instruments
| Medical Sensors
| Microfluidics
| Diagnostic Imaging
| Medical Implants

Annual Turnover › **€35m in 2020**

Pushing Forward Industry and Research with Piezo Technology

Pushing the boundaries of what is technically possible, together with our customers – this is the ambition that motivates and drives PI Ceramic daily.

PI Ceramic develops and produces high-tech solutions with piezo technology. As part of the PI Group, PI Ceramic is the global competence centre for piezo technology, with a broad product portfolio – from piezoceramic components to ultrasonic transducers to actuators. With 30 years of experience, the medium-sized company is successfully active in the most innovative markets and realises demanding applications in medical technology, industrial sensor technology, and precision dosing.

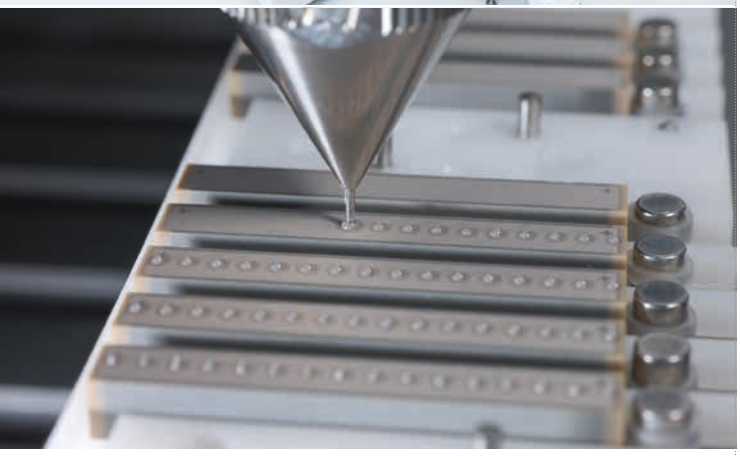
Improving Quality of Life – with Piezo Power at the Heart of the Application

Piezo technology makes faster medical diagnostics and gentler therapies possible.

With in vitro diagnostics, liquid handling can be realised in the smallest space by using energy-efficient and compact piezo elements. Dosing, moving, mixing, and separating samples with the tiniest volumes and different properties becomes possible. Piezo technology also significantly contributes to the increase in throughput of these analytical instruments while at the same it contributes to their miniaturisation.

With the help of piezo elements, disruptive therapeutic measures, e.g. with ultrasound, can be implemented. Therapeutic and surgical instruments can thus carry out noninvasive and minimally invasive surgeries at extreme speeds, with lower side effects and faster haling. Most modern imaging methods profit from special ultrasonic transducers that decisively increase the performance of endoscopes, for example; and medical implants can smartly replace damaged body functions.

Furthermore, contactless ultrasonic sensors can ensure seamless therapy management in patient monitoring.



The Product Portfolio

PI Ceramic offers flexible quantities of standard and customer-specific piezo solutions in various geometries, sizes, and value-added levels – be it just one actuator or several millions. All manufacturing steps are carried out in-house at the German company site: from the development and production of the material to the finished, installable, and quality-tested product.

The product portfolio includes:

- Piezoceramic components
- Piezoceramic ultrasonic transducers
- Piezoceramic actuators
- Assembly of piezo components, e.g. with flexible printed circuit boards
- Piezo amplifiers and controllers

The Offer

The company also assembles and integrates the piezo elements. This includes both the electrical contacting according to the customer's requirements and the mounting into components provided by the customer as well as gluing or casting the piezo ceramics.

With the knowledge and experience from applications, technologies, and available capacities, PI Ceramic can develop products and solutions with the customer that fit optimally into the respective application. In this way, new developments and technologies can be enabled for different markets in order to shape the world of tomorrow.

QUESTALPHA
for Medical and Life Science

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Email ›	info@questalpha.com
Website ›	www.questalpha.com www.sugisponge.com
Number of Employees ›	>40
Founded (year) ›	2020 as spin-out of Kettenbach, active since 1944
Areas of Activity ›	Manufacturing and commercialization of versatile medical grade sponge material
Annual Turnover ›	Double digit million € sales
External Collaborations ›	Active cooperation with several corporate R&D departments and academic institutions

Member of

BVMed

QUESTALPHA was spun off from Kettenbach in 2020. As leading manufacturer of high-performance absorbent materials made from cotton and regenerated cellulose, our expertise is dating back to the early 1950s with the launch of Sugi® medical sponge products. We cover the full value chain from research and development, production and logistics to marketing and sales of our product ranges. Our branded products have become indispensable solutions for doctors and hospitals in ophthalmology, ENT, dentistry, neurosurgery, microsurgery, hygiene, diagnostics, and wound care. Supplying our high-quality materials for developmental purposes and as versatile components in OEM products is supplementing our branded products business and enhancing our customer network in the medical device market.

QUESTALPHA's name emphasizes on our strategic realignment for further market expansion. While "QUEST" stands for the active pursuit, "ALPHA" underscores the best solution to be found for each individual customer.

SUGI® Products

All Sugi® Products contain our Sugi® medical grade sponge material made of pure cotton and regenerated cellulose with highest biocompatibility and tear resistance. Our material can absorb approx. 20 times of its own weight of aqueous solutions in a very short time. A soft elastic expansion is initiated and, depending on the area of application, a soft compression of the surrounding tissue is induced.

Sugi® Eye Spear

Ophthalmology places particularly high demands on surgical accessories. The highly absorbent Sugi® (sponge material) has proven to be very effective in the field of cataract surgery. With its tightly bound fibers and firm consistency when wet, Sugi® is ideal for diverse ophthalmic surgical procedures including LASIK. Sugi® outcompetes comparable materials in fluid wicking.

Sugi® RhinoSwabs

Rhino swabs have been specifically designed for functional endoscopic sinus surgery (FESS). Nasal surgery

swabs with retrieval cord according to Prof. Dr. H. Stammberger are ideal for absorbing blood and secretion during endoscopic nasal surgery. The sponge material can absorb up to 20 times its own weight in aqueous solutions in less than 3 seconds. Sugi® absorbent swabs can also be used as a vehicle for various aqueous solutions.

Sugi® Plast

High quality components make Sugi®-Plast a unique product. Designed according to requirements of modern wound care products, Sugi®-Plast can be applied after vasopuncture, as well as in the field of secondary healing wounds.

SUGI® Inside

Customized raw material e.g. as a component in medical devices or for manufacturing processes of medical products. Individual development through our full service for component manufacturers, R&D specialists or material specialists.

Are you searching for a solution related to absorption, binding, retention, or separation of molecules in medicine and life science? Let us find out if our Sugi® material is suited for your purpose.

With Sugi® Inside we offer support and documentation during the entire development process of your customized raw material. A wide range of applications already benefits from the versatile physical and chemical properties of the unique sponge material.

In addition to our medical sponge activities, QUESTALPHA is both acting as a successful developer and producer of other medical devices and is seeking for additional applications.

Name › **RECOM Power GmbH**

Address/P.O. Box › **Münzfeld 35**
Postal Code/City › **4810 Gmunden**
Country › **Austria**
Contact Person › **Corina Lauber**
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Email › **info@recom-power.com**
Website › **www.recom-power.com**
Social Media ›
Number of Employees › **Global ca 600**
Founded (year) › **1974**

Areas of Activity › **Manufacturer of DC/DC and AC/DC converters as well as Switching Regulators and LED-Drivers**

RECOM manufactures a full range of standard and customized DC/DC and AC/DC converters in every power class from sub-1W to tens of kW, alongside switching regulators and LED drivers in a wide selection of formats. The company headquarters are located in Gmunden, Austria, and include a state-of-the-art logistics research and development centre and laboratory wing and is supported by a worldwide distribution network. The RECOM name has become synonymous with high quality, integrity, innovation and excellent customer service.

Medical Power Supplies

Today's medical applications have strict regulatory requirements in both hospital and non-hospital environments. We specifically designed our cost-effective DC/DC and AC/DC power supplies to meet them without compromise. All our medical grade AC/DC and DC/DC power supply converters are fully tested drop-in products.

Due to the high-risk nature of medical applications, the corresponding electronic equipment must be held to very high standards of safety and reliability. Our modular REM and RACM series converters offer complete, compliant solutions that reduce design time, simplify end-user certification and provide faster time to market. These medical grade DC/DC converters and AC/DC power supply series feature reinforced isolation with two means of patient protection (2 x MOPP), low leakage (BF and CF ratings) and > 8mm creepage and clearance distances. Reinforced isolation provides an additional level of safety beyond the standard functional isolation to comply with the medical safety standard ES/IEC/EN 60601-1 3rd Ed.

In order to meet the above requirements, in particular in regards to insulation and leakage currents, a combination of high-quality medical-grade AC/DC power supplies and DC/DC converters is often the most efficient solution. This approach makes it easier to meet the stringent requirements of double patient protection (2 x MOPP).

We offer a broad range of products that are certified for use in medical electrical equipment. Apart from DC/DC converters from 1 to 30W, we also manufacture AC/DC power supplies with up to 1200W. They are certified to EN/ES 60601-1 3rd edition, EN/UL 60950-1 and EN/UL 62368-1, and do not contain any hazardous substances according to the RoHS2 and REACH Directives. Another plus is the 5-year warranty that we grant on all these products.

Main features:

- UL/IEC/EN60601 3rd Ed. certified with CB report
- No additional components needed for normal operation
- Built-in EN55022 Class A filter
- Reinforced isolation
- 2 x MOPP
- Low leakage current

Applications:

- Clinical medical equipment (Diagnostics, Monitoring, Laboratory)
- Home health and patient care equipment
- High voltage monitoring systems
- Dental

RÖSLER®
finding a better way ...

Name › Rösler Oberflächentechnik GmbH

Address/P.O. Box › Vorstadt 1
Postal Code/City › 96190 Untermerzbach
State › Bavaria
Contact Person › Michael Striebe
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Fax › +49-9533-924-300
Email › m.striebe@rosler.com
Website › www.rosler.com
Social Media ›
Number of Employees › 1,800 worldwide
Founded (year) › 1933

Areas of Activity › Mass Finishing
Shot Blasting
Additive Manufacturing

About Rösler

For over 80 years, the privately owned Rösler Oberflächentechnik GmbH has been actively engaged in the field of surface preparation and surface finishing. As global market leader, we offer a comprehensive portfolio of equipment, consumables and services around the mass finishing and shot blasting technologies for a wide spectrum of different industries. Our range of about 15,000 different self-made consumables specifically serves our customers for resolving their individual finishing needs. Under the brand name AM Solutions we offer numerous equipment solutions and services in the area of additive manufacturing/3D printing. Last-but-not-least, as our central training center the Rösler Academy offers practical, hands-on seminars to the subjects mass finishing and shot blasting, lean management and additive manufacturing.

High-quality surface finishing technologies for medical parts

The selection of a surface treatment process is the key factor that influences the functionality, performance and longevity of medical parts. Due to their precision, efficiency and economy, mass finishing and shot blasting are considered to be an indispensable part of the finishing process for a wide variety of medical parts in different manufacturing stages. Our flexible machines are able to do the surface preparation and final finishing starting from general cleaning, deburring, surface smoothing after casting, forging, stamping, machining, additive manufacturing, heat treatment, or surface preparation for plating, coating, or electro-polishing. This also applies to the final surface finishing stages for medical parts such as passivation, high-gloss polishing or the placement of a matte, non-glare finish on the surface of components.

Fields of medical application

Fields of medical application are endoprosthesis implants, trauma implants, spine implants, dental implants, medical instruments, endoscopy instruments, orthosis prosthesis and other medical and pharmaceutical devices.

Member of

VDMA
Working Group Medical Technology

Customer Experience Centers worldwide

What's unique about Rösler's system is its integrative approach. Systems and processes are tailor-made to the respective processing requirements. Many subsidiaries of the Rösler Group are equipped with their own Customer Experience Center (CEC), with the latest in systems engineering. In order to capture data on the respective processing sequence, customer work pieces first undergo sample processing in the CEC. This decides which processing method will be used and with which peripheral devices.

Process development and process optimization

From sample processing to process design to mechanical implementation and expert after-sales service, you receive comprehensive solutions from a single source. The latest measurement technologies support our process development and optimization. More than 190 engineers and technicians work daily in our construction and development departments on individually tailored system solutions.

Global network

Besides the German manufacturing locations in Untermerzbach/Memmelsdorf and Bad Staffelstein/Hausen the Rösler group has a global network of 14 manufacturing/sales branches in Great Britain, France, Italy, the Netherlands, Belgium, Austria, Serbia, Switzerland, Spain, Romania, Russia, Brazil, China and the USA. In addition, there are more than 150 sales agencies with years of experience standing ready to advise you.

ruhlamat®
solutions for your needs.

MACK GROUP

Name › ruhlamat GmbH

Address/P.O. Box › Sonnenacker 2
Postal Code/City › 99834 Gerstungen OT Marksuhl
State › Thuringia
Contact Person › Thorsten Koch
Telephone › +49-36925-929-310
Fax › +49-36925-929-111
Email › t.koch@ruhlamat.de
Website › www.ruhlamat.com
Social Media ›

Number of Employees › 1,200 worldwide
Founded (year) › 1991

Areas of Activity ›
- Assembly Systems & Automation Systems
- Card Systems & Passport Systems
- Original Equipment Manufacturing

Annual Turnover › €140m worldwide
Relevant R&D budget › 1%

External Collaborations › VDMA

Medical technology from ruhlamat

People's health always has the highest priority. That is why the safety and quality requirements in medical technology are higher than in hardly any other industry. Medical systems from ruhlamat take these requirements into account in all respects.

We develop specialised systems to make medical products even more available, cheaper, and safer. From hygienically operating assembly systems with a high degree of standardisation to complex individual solutions for the test production of new products, we create system concepts for medical technology. In doing so, we rely on innovative solutions that enable targeted, rapid, and high-quality action. From the series production of respirators and tablet dispensers to syringe and infusion systems – we develop system concepts that fit your requirements.

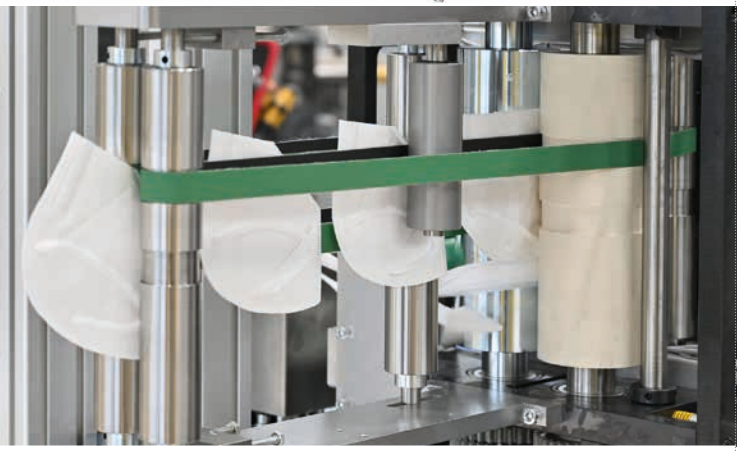
Our quality promise and service

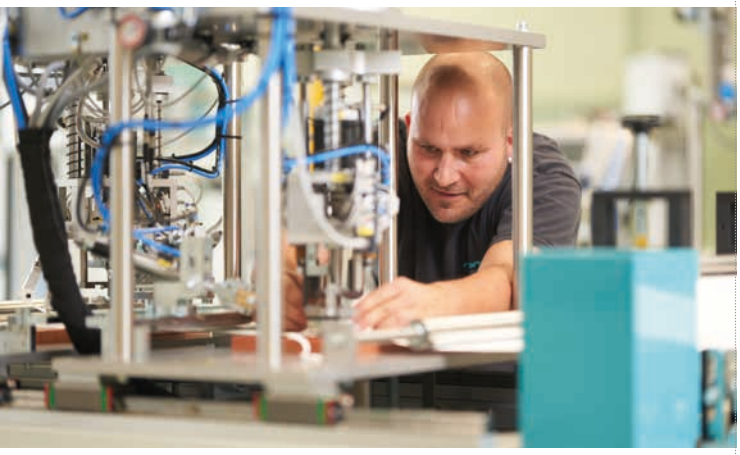
Our employees are highly qualified, experienced, and technologically competent. From classic assembly processes such as feeding, joining, cutting, welding and testing, to state-of-the-art control systems and image processing programmes, to unique and patented process solutions for wire laying and personalisation / perforation, you are in professional and competent hands with us.

We support our customers not only during the implementation of a project, but also after its completion. We ensure an optimal start of production and fast problem solving, as well as regular maintenance and servicing, both with remote diagnosis and on-site as well as virtual assistance. Our services include planning and development and, of course, production and assembly directly at our customers' premises. On-site training and instruction for the new system are just as much a matter of course for us as our worldwide service. We create your individual service contract offer tailored to your needs.

Member of

VDMA
Working Group Medical Technology





Our portfolio in the medical sector:

- Dental technology
- Infusion technology
- Protective equipment
- Syringe systems

Automation systems from ruhlamat - individual, flexible and reliable

Thanks to the wide range of solutions that can be implemented with our automated systems, we can respond individually to our customers' requirements. As a global partner, we are particularly flexible in all services from conception and implementation to construction and on-site and virtual service.

Thirty years of experience and know-how in special machine construction

As a specialist in special machine construction for many years, we offer individually tailored as well as standardised machine solutions worldwide. Our goal is to provide our customers with precise tools to sustainably increase the success of your company.

ruhlamat machine solutions are used, for example, in the automotive and electronics industries, in the medical and packaging sectors, as well as in the production and personalisation of ID cards, chip cards, and passports. With decades of experience in the production and implementation of the most demanding technologies and processes, we have become one of the leading mechanical engineering partners.

SCHEUERMANN + HEILIG
Performing Perfection

Name › SCHEUERMANN + HEILIG GmbH

Address/P.O. Box › Buchener Strasse 29
Postal Code/City › 74722 Buchen
State › Baden-Wuerttemberg
Contact Person › André Wild
Telephone › +49-6281-907-256
Email › andre.wild@sh-gmbh.de
Website › www.sh-gmbh.de/en/
Social Media ›
Founded (year) › 1957

Areas of Activity ›
- Development expertise and tooling technology
- High quality punching and punching-bending technology, spring technology, injection molding technology
- Automated assembly technologies
- Integrated process technologies such as cleaning and heat treatment

Annual Turnover › €85m

External Collaborations ›
- TechnologyMountains
- Mannheim Medical Technology Campus
- VDFI (Verband deutscher Federnindustrie)
- EFB (Europäische Forschungsgesellschaft für Blechverarbeitung)
- Fraunhofer-Gesellschaft

Member of

microTEC Südwest

High quality metal & plastic forming solutions for the medical industry

For more than 60 years, SCHEUERMANN + HEILIG have been creating and manufacturing high-quality, cutting-edge, and innovative forming solutions in both metal and plastic, for a wide range of precision sectors, including the medical technology and healthcare industry.

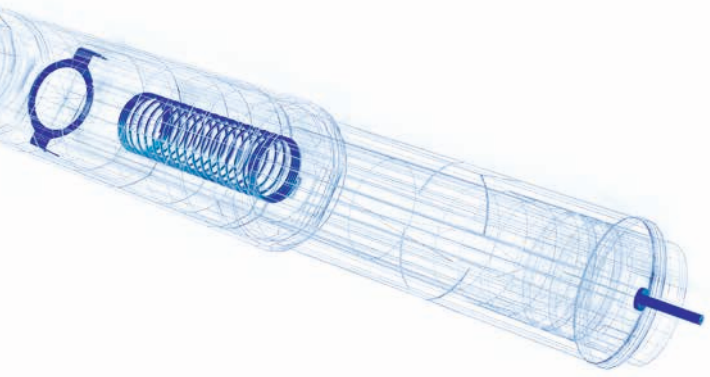
Using advanced, state state-of-the-art technologies and hybrid production processes, we have many years of experience developing and manufacturing high-precision forming solutions and prototypes for auto-injectors and medication delivery devices, inhalers and respirators, blood glucose measurement and diagnostic equipment, needle protection systems and syringes, as well as, advanced endoscopy equipment.

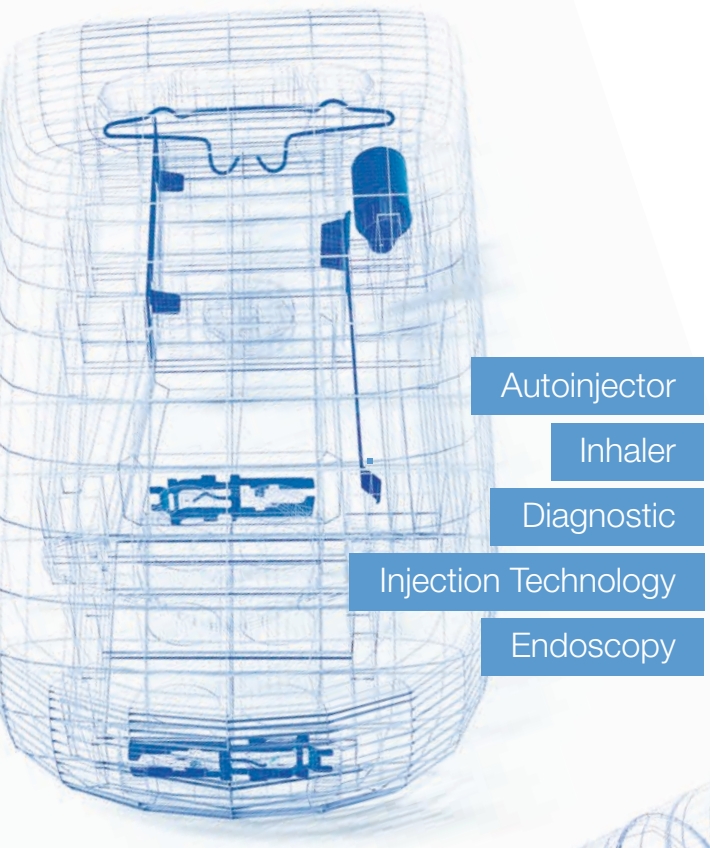
To be more precise, we create and produce the parts that makes these systems work. Wherever you find crucial assemblies made from metal and plastic, stamped and stamped + bent parts, high precision, tension and compression springs, bent wire components, and the essential micro parts needed for medical equipment where total reliability is of the utmost importance, you'll find SCHEUERMANN + HEILIG.

Meeting the highest standards to achieve the highest quality

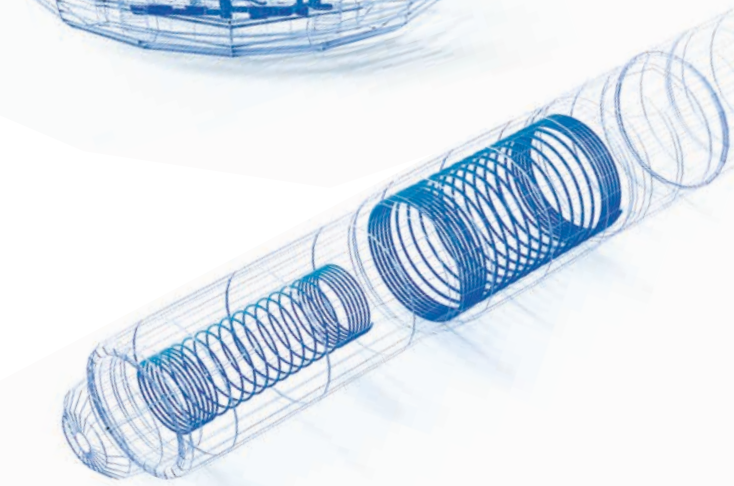
Our philosophy has always been to manufacture parts for industry that meet the most exacting standards. For decades SCHEUERMANN + HEILIG have chosen not only to meet the strictest performance standards but to exceed them where possible. These include ISO 9001, IATF 16949, ISO 13485, ISO 14001 and ISO 50001.

We are a leading, premium developer and manufacturer of hybrid assemblies, stamped and stamped + formed parts, technical springs, and precision products made from advanced metal and plastics. We are totally committed to constantly questioning existing solutions and searching for more innovative ways of working.





Autoinjector
Inhaler
Diagnostic
Injection Technology
Endoscopy



The development and series production of sophisticated complex assemblies is the focus of our work. For our first-class series production, course we create individual processes and tools and produce fully developed prototypes.

Our expertise in the use of hybrid technology – the automated combination of different metal components or metal and plastic elements to form complex assemblies – gives us an innovation advantage which benefits our customers worldwide.

Of course, together with our customers, we also have the experience and the know-how to develop custom-tailored solutions, whether it's for individual components, assemblies, or system solutions.

SCHEUERMANN + HEILIG: Exploring the limits of what is possible

Our commitment to using innovative technologies, manufacturing precision, and the production of hybrid assemblies has always been and still is a family obsession. Our goal is nothing less than perfection at every level, right down to the tiniest detail. And because of this, since the company was founded in 1957 by Anton Scheuermann and Günter Heilig in Buchen-Hainstadt, Germany, we have grown to become world leaders in our industry.

In 1979 we expanded our operations and established SCHEUERMANN + HEILIG do Brasil in Atibaia, Brazil and have achieved premium supplier status to major international customers in the mobility, smart solutions, environmental, and building technology industries, as well as the medical and healthcare sector.

Visit our website and take a closer look at our range of products, our devotion to customer service, and how we can help you: www.sh-gmbh.de/en/

SCHNEEBERGER
LINEAR TECHNOLOGY

Name › SCHNEEBERGER GmbH

Address/P.O. Box › Gräfenau
Postal Code/City › 75339 Höfen
State › Baden-Wuerttemberg
Contact Person › Peter Schönbach
Telephone › +49-7081-782-0
Fax › +49-7081-782-124
Email › Peter.schoenbach@schneeberger.com
Website › www.schneeberger.com

Number of Employees › 1200
Founded (year) › 1923

Areas of Activity › | Medical technology
| Biotechnology
| Machine tool industry

Annual Turnover › > €200m

Member of

VDMA
Working Group Medical Technology

Essentials for the best – for the Medical- and Biotechnology market

In 1923 the foundations of current global linear motion technology were laid by the first linear guideways developed by SCHNEEBERGER, which has been making linear motion products for more than 90 years ago. In 1945 SCHNEEBERGER once again innovated linear technology, this time with the invention of the linear roller guide. We have developed upon this effective principle of linear guidance significantly in the last several years thanks to the integrated cage controls. The same concepts that resulted in our success still apply today: innovative spirit, an uncompromising striving for quality, and the ambition to always provide our customers with new, technically and economically superior products. Today, SCHNEEBERGER continues to be a leader, constructing linear guideways that set new standards in terms of durability, reliability, and efficiency, and has since remained at the top of a highly competitive market. The name SCHNEEBERGER is synonymous with modern linear guide technology throughout the world. At its most important production locations in Switzerland, Germany, and the Czech Republic, SCHNEEBERGER is focused on investing in constant quality increases and cost optimisations. With additional production plants in China, SCHNEEBERGER is also near to its customers in places where the markets are developing particularly dynamically. SCHNEEBERGER is unique in the global linear motion technology market. We are an independent, medium-sized company and this forms the basis for a dynamic, customer-oriented, and correspondingly successful business strategy.

SCHNEEBERGER serves original equipment manufacturers operating (OEM) in various industries worldwide – from machine tool, medical technology and semiconductor technology to biotechnology and others. Linear bearings, profiled linear guideways, measuring systems, gear racks, ball screws, slides, positioning systems, and mineral casting are all part of SCHNEEBERGER's product and manufacturing range.

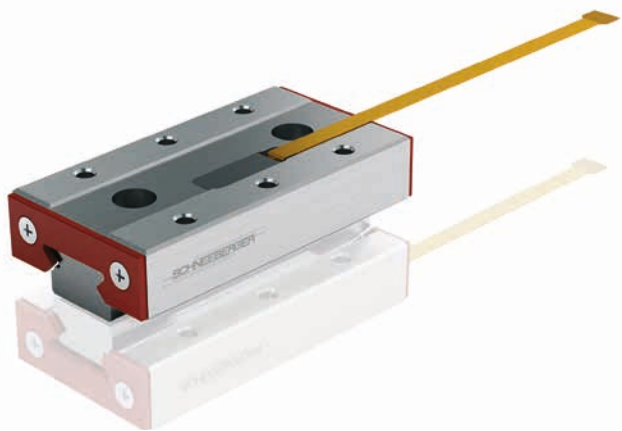
SCHNEEBERGER

SCHNEEBERGER offers high-precision linear technology with an emphasis on applications in medical- and biotechnology. The focus here is on magnetic resonance tomography (MRT), computed tomography (CT), surgical microscopes, ophthalmic systems, scanner systems, liquid handling equipment, DNA plate readers, 3D printing, cell analysis systems, and dental medicine.

Precision, reliability, special designs, miniaturisation, integrated measuring systems, and application-oriented positioning systems make us the ideal supplier in these application fields.

MINIRAIL is the latest generation of miniature guides for demanding applications. They are extremely robust and prove themselves in every application with their high level of smoothness, precision, and reliability.

Based on the proven MINIRAIL miniature guideway, our MINISCALE Plus, a guide with an integrated optical position measuring system, impresses with its precision, high speeds, and accelerations in the work process, low construction effort, quick installation and adjustment, consistent accuracy, and a long lifetime. These properties make the MINISCALE Plus the ideal partner in medical technology and biotechnology.



Name › **SCHUNK GmbH & Co. KG**

Address/P.O. Box › **Bahnhofstr. 106-134**
Postal Code/City › **74348 Lauffen am Neckar**
State › **Baden-Wuerttemberg**
Contact Person › **Mike Mayer / Global Key Account Manager**
Telephone › **+49-7133-103-2658**
Fax › **+49-7133-103-952658**
Email › **info@de.schunk.com**
Website › **www.schunk.com**
Social Media ›
Number of Employees › **approx. 3,500**
Founded (year) › **1945**

Areas of Activity › **Automation and equipment for robots and production machines used in the life sciences areas:**

- **MedDevices:**
  Robotics and automation in the human environment (e.g. surgical robots or rehabilitation devices)
- **MedTech:**
  Manufacturing and handling of medical consumables and products
- **Laboratory Automation:**
  Handling in laboratory processes and analytical procedures
- **Pharma:**
  Handling and automation in pharmaceutical production

SCHUNK GmbH & Co. KG of Lauffen/Neckar is a German family-owned company and global player in one. The company was founded in 1945 by Friedrich Schunk as a mechanical workshop and has developed under the leadership of Heinz-Dieter Schunk into a competence and world market leader for gripping systems and clamping technology. Today, the company is run by third-generation siblings Kristina I. Schunk and Henrik A. Schunk. More than 3,500 employees in 9 plants and 34 directly owned subsidiaries and distribution partners in more than 50 countries throughout the world ensure an intensive market presence.

Largest Assortment of Standard Components

With 11,000 standard components, SCHUNK offers the world's largest assortment of gripping systems and clamping technology from one source and with 2,550 SCHUNK grippers, the largest product range of standard gripping components on the market. The complete programme of gripping systems comprises more than 4,000 components. SCHUNK has pushed digitisation of its portfolio forward for years now, ensuring that users can plan their processes efficiently, transparently, and economically. They also benefit from SCHUNK's comprehensive application knowledge, which is consistently growing, focusing on innovative fields of application where automation can be applied.

Member of

VDMA
Working Group Medical Technology

Life-Sciences Partner with Application Know-how

As an experienced automation specialist, SCHUNK is a reliable partner for plant manufacturers and automation companies in life sciences sectors such as MedDevices, MedTech, Laboratory Automation, and Pharma. Here industrial automation makes a significant contribution to solving medical challenges and, with its automated, intelligent manufacturing processes, ensures reliable, standardised, or individualised medical care for people. The high-tech components from SCHUNK hold a key position in this. Portfolios tailored to specific requirements offer suitable products for all life sciences applications. With its extensive product range and decades of application know-how, the world market leader helps to ensure that sensitive manufacturing processes are safe, reliable, and economical.

SCHUNK's life science portfolio includes grippers, rotary modules, linear modules as well as sensor components and robot accessories. Due to its extensive application experience, SCHUNK already offers ISO cleanroom-certified components, components configured with H1 greases (FDA certificate), ATEX products and protective covers in its standard portfolio. Proven existing products such as the high-performance parallel gripper PGN-plus-P and the miniature gripper MGP-plus have been optimized for medical use. In addition to the standard products, SCHUNK also offers modified versions and customer solutions tailored to specific requirements. A team of specialists implements individual automation applications from planning to certification in close cooperation with the customer.

Name › Seco Tools GmbH

Address/P.O. Box › Steinhof 24
Postal Code/City › 40699 Erkrath
State › North-Rhine Westphalia
Contact Person › Frank Meiser/ Salvatore Cubicciotti
Telephone › +49-211-2401-0
Email › info-de@secotools.com
Website › www.secotools.com
Social Media ›
Number of Employees › 4000
Founded (year) › 1936

Areas of Activity ›
- General Engineering
- Automotive
- Medical Manufacturing
- Aerospace
- Power Generation

Seco-Tools – your partner for machining solutions

Seco is one of the world's largest providers of comprehensive metal cutting solutions for milling, stationary tools, holemaking and tooling systems. For over 80 years, we have been more than just a cutting tool provider. We develop and supply the technologies, processes and supports that manufacturers depend on to maximize productivity and profitability.

Headquartered in Fagersta, Sweden, Seco is present in more than 75 countries via nearly 4000 team members. All Seco employees across the globe share a family spirit, along with a passion for our customers and personal commitment to ensuring their success.

Seco employees take a practical approach to applying high levels of metal cutting competence to overcoming customers' challenges. Relationships built on trust and respect are vital to our success. We work closely with customers to understand their needs. We undertake cooperative ventures with universities and industry associations to monitor trends and develop solutions that meet the needs of unique segments. We partner closely with providers of complementary technologies to ensure manufacturers have access to comprehensively optimized solutions.

Seco is part of Sandvik Machining Solutions, the tooling business area of the Sandvik Group.

Member of

VDMA
Working Group Medical Technology

Machining medical components is a challenge for you?

The medical industry has experienced substantial growth in recent years, a trend expected to continue due to a variety of factors.

The worldwide economic issues of the past several years have created a growing demand to reduce costs, leading to substantial research and development into new materials and processes. Additionally, higher levels of regulation have created a need for more predictable and stable manufacturing methods. As these trends continue, medical manufacturers will face the ongoing challenge of adapting to an evolving market.

Seco has worked closely with global medical manufacturers for decades, building a foundation of expertise that makes us a valuable partner to those serving the industry. We also partner with research institutes, universities and other industry entities to fully understand the challenges medical manufacturers face and develop the solutions to overcome them. Our own R&D focuses on the advanced technologies, tools, strategies and component solutions that will drive and evolve your processes.

As the medical industry continues to innovate and grow, Seco is here to help you understand and overcome the metal cutting challenges you encounter.

Visit www.secotools.com or contact us. Seco will support you in machining your medical component.

SITEC

Name › SITEC Industrietechnologie GmbH

Address/P.O. Box › Bornaer Strasse 192
Postal Code/City › 09114 Chemnitz
State › Saxony
Contact Person › Michael Lau
Telephone › +49-371-4708-241
Fax › +49-371-4708-240
Email › sales@sitec-technology.de
Website › www.sitec-technology.de
Social Media › in X ▶

Number of Employees › 300
Founded (year) › 1991

Areas of Activity ›
- Medical technology
- Automotive
- E-mobility
- Electrical engineeeering
- Electronics
- Renewable energies

Annual Turnover › €50m (2019)

Experienced system partner for medical technology

As an OEM, SITEC Industrietechnologie develops, manufactures, and delivers production systems worldwide for its customers and produces modules and components on a series scale for medical technology. To meet the specific requirements of medical technology, SITEC offers its customers comprehensive engineering expertise and many years of experience in the laser machining of materials, electrochemical machining, and automated assembly.

The range of materials that can be machined encompasses everything from steels and stainless steels to non-ferrous metals, such as titanium, Nitinol, aluminium, and copper, to various plastics and glass.

Laser machining of materials

Laser technology makes the high-precision, efficient machining of medical devices possible. The range of technologies includes laser welding, fine laser cutting, and laser hardening of extremely small local surfaces, as well as 3D micro-drilling, micro-structuring, and micro-removal. SITEC uses various laser-beam sources for this, such as CO_2, diode, fibre, disc, or ultrashort-pulse lasers, based on their optimal suitability for particular applications. Ultrashortpulse lasers are opening up brand new possibilities for ultra-precision machining in the micro-metre range, even for temperature-sensitive materials. Our experienced team of application engineers and designers will be happy to support you in the technological development of your products.

Electrochemical machining

Electrochemical machining (ECM) and its process variants offer maximum reliability and are particularly recommended for the manufacture of medical devices with above average requirements for quality and customer confidence, such as implants. Key applications include the deburring of drill cuts and defined chamfering. We can carry out sample machining at our application centre to show you the capabilities of the process.

Member of

VDMA
Working Group Medical Technology

Assembly technologies

The automation of assembly processes is our speciality. You can rely on our many years of experience in the automation of assembly processes and assembly technologies as well as the integration of testing processes, intelligent image processing, and laser processes. All assembly processes are controlled, ensuring 100% traceability.

Mechanical engineering

We develop and produce reliable production systems for flexible manufacturing in accordance with customer requirements and industry standards. Our portfolio covers everything from partially to fully automated assembly, laser, and ECM systems. Services for our customers include system planning, project management, design, production, and assembly.

A multi-stage process is used for preliminary acceptance (factory acceptance test – FAT) of the systems at SITEC and after delivery and recommissioning at our customer's location (site acceptance test – SAT). We provide professional support for the further validation process (PQ, IQ, OQ) through to the market release of your products.

Our service employees and worldwide partners in Europe, Asia, and America ensure you have access to fast, competent service at your site.

High-performance series production

Alternatively, SITEC offers you a ramp-up or series production on its in-house facilities and in certified quality. Our extended services include component assembly and pre- and post-treatment of parts. We use an IATF, compliant quality-management system attuned to the requirements of medical technology.

STÄUBLI

Name › Stäubli Tec Systems GmbH Robotics

Address/P.O. Box › Theodor-Schmidt-Strasse 19/25
Postal Code/City › 95448 Bayreuth
State › Bavaria
Contact Person › Rudolf M. Weiss
Global Head of Pharma and Medical Robotics
Telephone › +49-921-883-3258
Fax › +49-921-883-3444
Email › rm.weiss@staubli.com
Website › www.linkedin.com/showcase/staubli-robotics/
Social Media ›

Number of Employees › 5,500
Founded (year) › 1892

Areas of Activity ›
- Industrial automation
- Industrial robots
- Life sciences
- Medical technologies

Injection moulding machine automation at warp speed

Last year an American company was producing 600,000 COVID-19 vaccine vials daily using 11 injection moulding machines. Zahoransky AG of Freiburg was tasked with delivering 11 lines with 120 image processing systems and 53 robots in the shortest time possible to automate the machines.

Producing the nano-coated cyclic olefin copolymer (COC) vaccine vials on injection moulding machines was not the biggest challenge: each of the 11 machines used in the final configuration produces 10 vials every 17 seconds. But before they receive the final nano coating, the vials must undergo numerous process steps immediately after production.

For its automated lines, Zahoransky required a total of 53 4-axis and 6-axis robots in just a few weeks. As a leading provider of robots to the pharmaceutical and medical industries, Stäubli was a clear choice for this large order. The delivery of robots in such a short time was a real challenge for Stäubli, especially given the reduced hours due to the coronavirus. In order to fill the order, Stäubli used robots originally intended for its own internal training and presentation cells.

Member of

VDMA
Working Group Medical Technology

600,000 vaccine vials a day are handled, processed and inspected directly on the machines in a fully automated process.

With their groundbreaking hygienic design, the Stäubli robots already meet the applicable cleanroom classification in their standard version.

©Zahoransky

Each of the machines produces 10 vials every 17 seconds. These must pass through numerous process steps directly after production.

The complete injection moulding lines consist of three standard cells, Z.Siroc, Z.Mistral, and Z.Lodos, which link seamlessly with one another. The complete line is supplied with high pressure and achieves ISO Class 8 cleanroom requirements. Each line includes three Stäubli robots. The systems take on all process steps, from parts removal from the injection moulding machine to the transfer to the nano-coating line.

The Z-SIROC module, which is equipped with two Stäubli robots, establishes the direct interface to the injection moulding machine. The first robot, a 6-axis TX2-60L, unloads the injection moulding machine, picking up 10 vials and placing them on a cooling belt. An ultra-fast Stäubli SCARA TS2-80 then transfers the cooled containers to the Z.Mistral module, where a number of QA tests are carried out. Afterward the vials reach a defined transfer point, where they are removed by a Stäubli SCARA TS2-60 installed in the Z.Lodos module. The fast and precise 4-axis robot places the vials in tubs, which are discharged for nano coating.

Benefits:

- Ultra-fast delivery of the lines
- Highest QA standards with guaranteed parts traceability
- Absolute compliance with industry-specific standards
- Impressive output of 600,000 vials daily

Thanks to the expertise of the Zahoransky team and the performance of the Stäubli robots, this highly challenging project was realized in the shortest possible time – thereby making a critical contribution in the fight against the pandemic.

Contact us at www.staubli.com/en/robotics to find out how we can provide our expertise for your automation needs.

staiger
FLUID CONTROL EXCELLENCE

Name › Staiger GmbH & Co. KG

Address/P.O. Box › Johannes-Bieg-Straße 8
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State › Baden-Wuerttemberg
Contact Person › Marc Staiger
Telephone › +49-7143-2707-0
Fax › +49-7143-2707-88
Email › sales@staiger.de
Website › www.staiger.de

Number of Employees › 200
Founded (year) › 1974

Areas of Activity › Manufacturer of microvalves and fluidic systems for:
- Analysis & Medical Technology
- Aviation & Space Technology
- Sanitary & Water Technology
- Industry
- Energy Systems
- Paper, Printing, & Textile Industry
- Automotive

Relevant R&D budget › 10%

External Collaborations › Diverse Research Partners

Staiger – fluid control excellence for almost 50 years

The owner-managed family business is characterised in particular by a high level of customer orientation, the highest product quality and maximum flexibility. Together with approx. 200 employees, we develop and produce customer-specific solenoid valves and fluidic blocks. Our valves are worldwide benchmarks in miniaturisation and service life. Our wide range of products is used in almost all industries worldwide.

At our factory in Erligheim (30 km north of Stuttgart), we produce everything, from prototypes over mid series up to mass production. All manufacturing and testing equipment is hereby designed and produced in-house. Every single valve is tested and documented 100% before being sent out to the customer.

Valve solutions for medical and analytical technology

Whether for neonatal ventilators, anaesthesia machines in intensive care units, or proportional valves in artificial hearts: reliability is the most important property of a product in medical technology!
The long service life and high reproducibility of our solenoid valves testify to high quality standards.

Our competences

Together with our customers, we develop and produce components that not only save lives and improve people's health, but also eliminate CO_2 emissions and represent the communication infrastructure of the future.

Our products are used for

- Ventilation and anaesthesia devices
- Incubators for neonatals
- Rapid diagnostic systems (IVD)
- Sleep apnea therapy devices
- Oxygen concentrators
- Pipetting systems
- artificial hearts

Member of

VDMA Working Group Medical Technology
microTEC Südwest

Application examples

O_2 nebuliser for ventilators

In oxygen therapy or ventilation during an operation, the correct dosage of oxygen or air is vital for the patient's condition. In response to this specific customer requirement, we have developed a highly effective compact block module.

Designed into the narrow installation space, equipped with various sensors and controllers, these valves fulfill several tasks, providing ventilation support or pressure-controlled ventilation, each with continuously adjustable oxygen quantity.

The high integration capability of the patented flat armature Spider®-valves in combination with two pressure regulators perform extremely reliably for the benefit of the patient.

Micro valves for point-of-care IVD devices

In point-of-care IVD devices, the chemical reagents are typically provided in disposable, single use trays or pouches, that are being inserted into an IVD-device together with the patients' sample. The function of the IVD device is it then, to activate the reagents in a timely precise cycle and to analyze the results afterwards.

Our Spider®-Microvalves are used inside the IVD device to transport the liquid reagents by applying repeatedly precise air-pressure on every chamber of every reagent involved. For each chamber one valve is required.

In small and compact IVD-devices space is very limited. Hence our 7mm and 5mm-Microvalves perfectly suit for such a task because of their small and compact size as well as the extreme reliable and repeatable switching times.

STRUBL
Kunststoffverpackungen · Plug & Pack-Systeme

Name › **STRUBL GmbH & Co. KG**

Address/P.O. Box › **Richtweg 52**
Postal Code/City › **90530 Wendelstein**
State › **Bavaria**
Contact Person › **Dr Christoph Strubl**
Telephone › **+49-9129-9035-0**
Email › **christoph.strubl@strubl.de**
Website › **www.strubl.de**
Founded (year) › **1949**

Areas of Activity ›
- **Pharma/Medtech packaging**
- **Plug&Pack**
- **Automationsystems**

Cleanroom packaging protects against contamination

Cleanroom production and packaging are a very important issue because the primary packaging has to preserve the product and process quality. Primary packaging for pharmaceutical and medtech products needs to meet the highest quality requirements. Hygiene and cleanliness are basic properties for plastic packaging materials. STRUBL Packaging has installed a highly professional cleanroom manufacturing process for cleanroom packaging materials based on ISO 14644.

Cleanroom production based on ISO14644 has become the standard for all markets that have to meet the highest requirements in hygiene and cleanliness, e.g. the pharmaceutical, medtech, lifesciences, and healthcare industries. These products are covered by continous quality management monitoring. This applies to active pharmaceutical ingredients (API) as well as plastic devices and components, implants, instruments, tubes, inhalers, valves, application tools, and numerous products used for laboratory applications and testkits.

Before leaving the cleanroom environment, these products have to be packaged to avoid any damage and contamination during subsequent handling and transportation operations. Therefore plastic packaging materials are the suitable solution. Plastic packaging materials such as bags, side-gusseted bags, zipbags, covers, films, and tubes are used in every step of the cleanroom process value chain as primary packaging materials.

Cleanroom packaging – the best way to avoid contamination

To be sure, that the primary packaging meets the cleanroom requirements, these packaging materials have to be produced in a suitable cleanroom environment as well. Special risks have to be checked:

- raw material risks: migration between packaging material and product
- process risks: particle emission during the handling process

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Europäische Metropolregion Nürnberg

- logistic risks: packaging specifications
- product risks: sealability, seal strength, non-leaking seals

STRUBL cleanroom packaging

All products can be customised: the customer specifies dimensions and packaging requirements, such as labelling, as well as raw material conformities e.g. foodgrade/medicalgrade/pharmagrade. All products are suitable for gamma irradiation. If needed all products can be designed with antistatic surfaces.

cleanzip – zipbags in cleanroom quality

STRUBL has developed a cleanroom zipbag. These reclosable bags are used for numerous applications, but until now these standard bags were not available in cleanroom quality. Cleanzipbags can be used for laboratory applications such as sampling, archiving, and intermediate packaging. Cleanzipbags are manufactured in a GMP-based production system and meet the high requirements of pharmaceutical applications required by the GMP guidelines.

bag-in-bag – bagsystems

“Bag-in-bag systems” are systems that combine two or three bags. The bags are already placed within one another to simplify the packaging process for the customer. Thus the customer reduces their packaging efforts: with one single packaging process, both primary and secondary packaging are fulfilled. This reduces excessive handling and the risk of damaging the products.

Name › S.I.E – System Industrie Electronic GmbH

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Country › Austria

Subsidiary › S.I.E System Industrie Electronic Deutschland GmbH
Address/P.O. Box › Altstadt 72
Postal Code/City › 84028 Landshut
State › Bavaria
Telephone › +43-5577-89900
Fax › +43-5577-89901
Email › info@sie.at
Website › www.sie.at
Social Media ›

Number of Employees › Over 120
Founded (year) › 1994

Areas of Activity ›
- Medical
- In vitro diganostics
- ABL
- Government
- Security
- Safety & Security
- Industry

Annual Turnover › € 38,0 Mio.

Human centered digital solutions. together

We, the S.I.E. team, are convinced that digital solutions must always be oriented towards people and their needs.

Everything we do serves to sustainably generate real added value along entire value chains, all the way to the end users of digital products and services. Together, we realize our vision of human-centric digitalization.

We support our customers & partners completely from ideation, prototype development to proof-of-concept and business case development. As a team we benefit from each other's creativity, know-how and ideas and develop a product together.

Over 25 years of experience have allowed us to gather important expert know-how as a company in various industries. We would be happy to provide you with more detailed information about our industry-specific specializations and process know-how in a personal meeting.

Innovation & Ideation

Together with you, interdisciplinary teams along your value chain and with suitable creative methods and settings, we develop initial ideas, prototypes and investigate maturity levels, market suitability and product potential.

Basis and center of interest of every revolution is the human being, his wishes and needs and his interaction with solutions and products.

Sustainable successful innovation can only be realized in a benefit- and user-centered way. It analyzes and optimizes user experiences, added values and entire value chains - no one can do this alone.

Engineering Services

In order to turn promising ideas, prototypes and concepts into successful, innovative and technically mature products, we support you as partners in all areas of embedded system development.

We are convinced of the potential of digital systems for people.

Together with you - our partners - we want to generate real added value for people along their individual value chain through custom-fit and innovative embedded systems and cyber-physical systems.

Electronic Manufacturing

Easily scalable production capacities and processes at the highest quality level through lean management. We enable you to grow from initial small batches to mass production with a reliable partner.

Flexibly scalable and lean-structured production services at the highest quality level.

We accompany you in the production of embedded systems and cyber-physical systems starting with small batches up to mass production always professionally to grow together with you.

Quality & Life Cycle Services

Together with you and for you, we consider it an absolute matter of course to ensure the viability and functionality of your products, even over long product life cycles.

We consider it a matter of course to accompany your product and its changing environments and challenges throughout the entire product life cycle.

Our Quality & Life Cycle Services ensure both the functionality of your devices in the field and the viability of your product itself.

toolcraft

Name › **toolcraft AG**

Address/P.O. Box › **Handelsstraße 1**
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State › **Bavaria**
Contact Person › **Patrick Meyer**
Telephone › **+49-9172-6956-0**
Email › **toolcraft@toolcraft.de**
Website › **www.toolcraft.de**
Social Media ›
Number of Employees › **417**
Founded (year) › **1989**

Areas of Activity ›
- **Medical technology**
- **Semiconductors**
- **Aerospace**
- **Defence and security**
- **Automotive, vehicle technology and motorsports**
- **Optical industry**

Member of

VDMA
Working Group Medical Technology

toolcraft AG is a pioneer of future technologies, such as additive manufacturing and the construction of individual robot cells. As a provider of comprehensive solutions, toolcraft covers the entire process chain, from the initial idea to manufacturing, quality assurance, and testing in additive manufacturing, machining, injection moulding, and mould making. In the field of robotics, customised, fully programmed integration solutions are implemented. Building close working relationships with collaborative partners as well as universities, other institutions of higher education, and research centres is an important part of its corporate philosophy.

Future technology additive manufacturing meets classical machining

Additive manufacturing enables highly complex geometries with significantly reduced time and resources. Two years ago, the medium-sized company invested in a customised LMD system with powder nozzle from Trumpf with horizontal and vertical rotation axes. This enables “extreme high-speed laser metal deposition” (EHLA) – developed and patented by the Fraunhofer Institute for Laser Technology ILT.

The in-house measurement and testing laboratory provides precise answers for reliable component quality: from the inspection of materials on receipt and process-related analyses such as density determination, structural analysis, and analysis of mechanical properties to the preparation of comprehensive reports.

The additively manufactured raw parts are refined into the complete functional component by machining processes. The machinery at toolcraft is always state-of-the-art. The use of multi-axis technology and angle heads is exemplary for its innovative strength. It is possible to machine almost any material. In addition, various furnaces, including a vacuum furnace, are available for heat treatment of the components. To significantly expand the machining process chain, toolcraft invested in a modern technical cleaning system at the end of 2020. With this, the finished components are finely cleaned and packaged according to customer

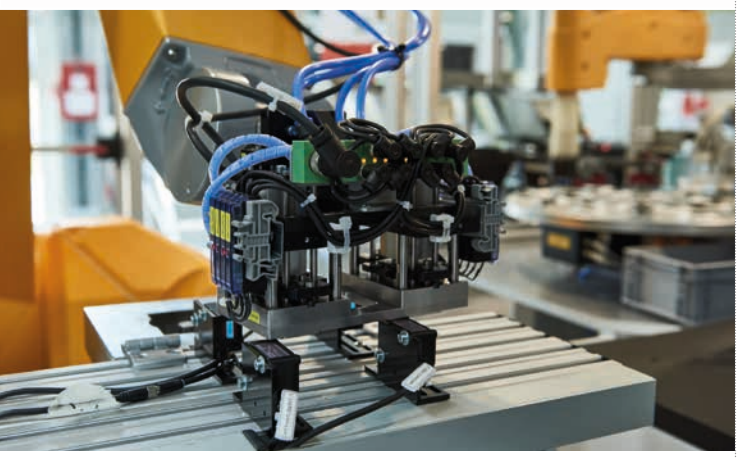
specifications, whereby absolute cleanliness can be guaranteed.

Expert knowledge of mould making, injection moulding, and robotics

toolcraft has developed a complete automated solution for the production and packaging of a cerumen filter protector for hearing aids. For this purpose, a mould to produce very small parts was designed and manufactured in the mould-making department. A micro-injection moulding system was combined with a robot to automate the entire process. Thanks to expert knowledge in process development as well as in camera and laser technology, toolcraft implemented component inspection using camera and laser micrometer technology as well as the lasering of the packaging components in the specified cycle time. Since then, the filter systems have been coming off the production line fully automatically have been coming off four production lines fully automatically.

Certified precision

toolcraft attaches great importance to the highest standards in the quality of its precision components. This is evidenced, among other things, by the certifications according to DIN EN ISO 9001, EN 9100 and DIN EN ISO 14001. Since 2014, the company has been certified according to DIN EN ISO 13485 for the manufacture and assembly of surgical tools and components for medical devices. In 2018, this was followed by certifications for additive manufacturing according to Nadcap and from TÜV SÜD.



Name › Tradex-Services GmbH

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State › Bavaria
Contact Person › Angie Löffler
Telephone › +49-8177-99822-0
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Email › info@tradex-services.com
Website › www.tradex-services.com
Number of Employees › 5
Founded (year) › 1998

Areas of Activity › Exhibitions

Tradex Services – Your full event service provider

As a highly specialized and well-established company we are supporting companies from Germany, Austria and Switzerland to grow their business presence worldwide - physically and digitally.
Therefore, we are collaborating with the largest exhibition organizers and are procuring floor space at many international renowned trade shows of different branches to offer exhibitors the comfort of showcasing their companies' capabilities easily and stress-free within our custom-built pavilion, individually or as a part of an official national or state pavilion. In additional to our basic services Tradex^{fairs} and Tradex^{pavilion}, based on our 20+ years of experience and the current business climate, we have developed unique digital tools to further enhance your company's presence on a global scale:

- Digital Exhibitor Catalogue (www.exhibitor-catalogue.com) - Be present all the time
- Tradex^{+} - Stay connected all the time
- Tradex^{app} - Your mobile event companion

Our interlocking tools, know-how, high level of customer service and carefully selected partner network are constantly at your service to ultimately provide you with the best support your company deserves - so you can fully concentrate on developing your business network and lead generation, resulting in a healthy ROI.

Digital Exhibitor Catalogue (XC)

Our digital exhibitor catalogue (XC) - ‚Your Promotion and Advertising platform' A smart solution for tomorrows standards, this tool helps prepare exhibitors to always be one step ahead. A combination of several smart applications that support Marketing / Networking / Promotion / Advertising platforms, our services takes international business development to a whole new interactive level.
Fully customized vBooths can be created, enabling you to present your products and services for specific target groups: worldwide - 24/7/365. A blend of several interactive communication tools, such as video calls, live chat and screen sharing directly on your vBooth.

All products / services can be linked to any relatable content, that will assist in the sales process, including webinars, tutorials, catalogues, social media, etc.... In addition to this, we offer an integrated ‚Business Appointment Scheduler', which helps you to optimize your time at live events by coordinating your meetings.
Our digital exhibitor catalogue (XC) includes not only your basic company details, but as well attendant to your physical show participation your vBooth and a youtube-film, which shows the ‚route to your physical booth'.
This gives your company the chance to stay visible all the time and provides you with a unique opportunity to announce your exact stand location at a specific trade show, further increasing your exposure, so your clients always will be able to find you during the show and you avoid missing business opportunities.
Our digital exhibitor catalogue (XC) obtains all provided information of your company and feeds your Tradexapp entry with all necessary information.

Tradex+

Tradex+ - ‚Your Marketing and Networking platform' helps you to stay connected and promotes your company 24/7/365. Share up to 50 product and service pictures, videos, detailed descriptions and downloadable catalogues on a media-rich profile. Add social media links and personalized team contact information to your profile and streamline your business activity. Tradex+ is the foundation for all of our interactive digital services.

Tradexapp

Tradexapp - Your mobile event companion combines all features of Tradex+ and the digital exhibitor catalogue (XC), which enables you and your clients to stay in touch all the times. The app, available for IOS, android smart phones and tablets, qualifies anyone to interact with you before-during-after each show being held. Integrated search functions to check for profiles, products, etc. are linked to our company data base and digital exhibitor catalogue (XC). Additionally a Route-Planner and Appointment Manager helps you to organize and to coordinate your events.

Transline

Translation – key to understanding.

Name › **Transline Gruppe GmbH**

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State › **Baden-Wuerttemberg**
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Email › **ffalcone@transline.de**
Website › **www.transline.de**
Social Media ›
Number of Employees › **> 170**
Founded (year) › **1996**

Areas of Activity ›
- **Translation and localisation**
- **Language consulting**
- **Terminology management**
- **Source-text optimisation**

External Collaborations › **MedicalMountains**

Medical technology content in 160 languages

Global markets offer your company great opportunities. Our mission, and our strength, is to work with you to capture them. Highly professional translations are the key to international markets. With more than 170 employees in Europe and approximately 5,000 specialised translators worldwide, Transline is one of the largest translation service providers in Germany. Our customers include many large global companies who appreciate the quality of our translations, the outstanding IT-driven project management, and the speed with which our company implements their projects.

Certified – for safety and quality

With the safety of your users always in mind, we translate your medical texts with the utmost precision. This is confirmed by our ISO 17100 and ISO 13485 certifications – making our quality binding, measurable, and verifiable.

Standard-compliant – tailored to target languages and markets

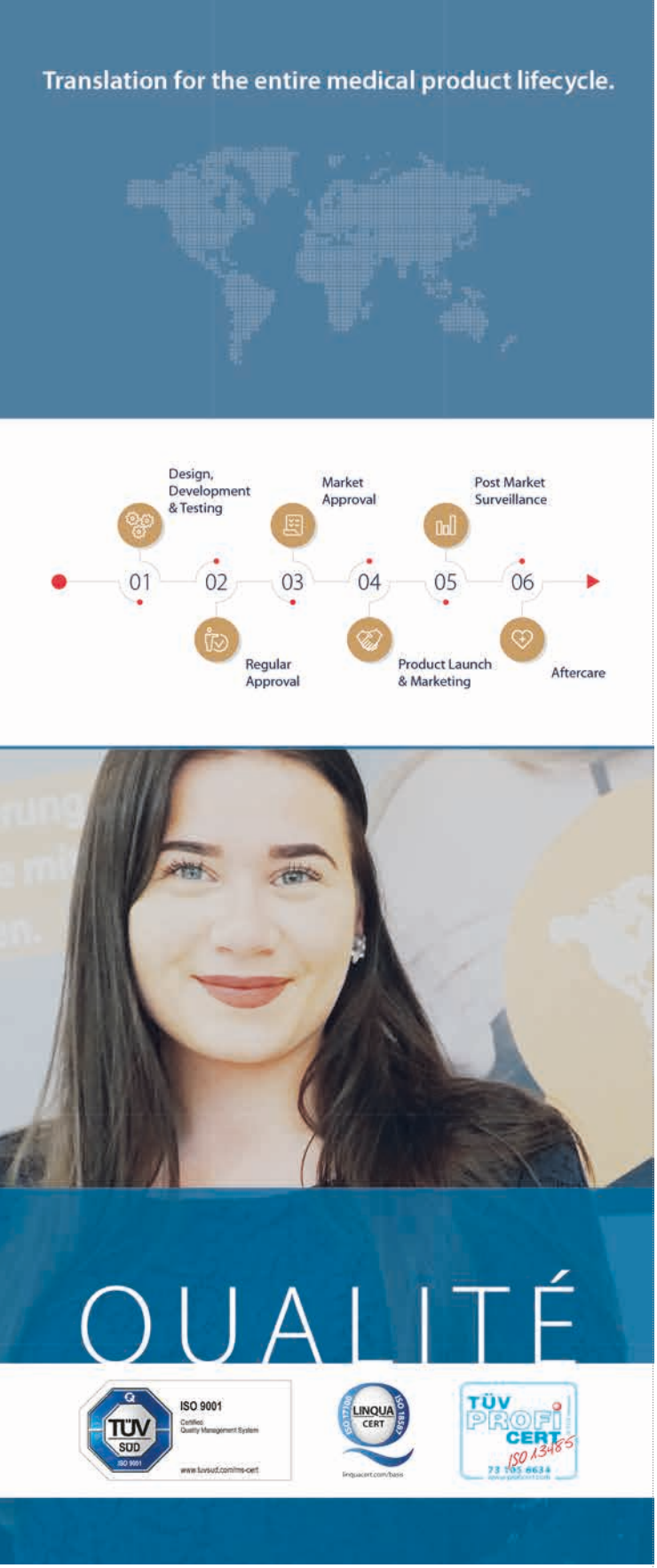
Our experienced specialised translators in the target countries create standard-compliant language versions – helping you ensure regulatory compliance as a manufacturer or distributor.

People and technology – in perfect symbiosis

Culturally authentic, easy-to-understand texts provide user safety. And the latest language technologies get your products to world markets faster. Our industry specialists expertly translate even low-context strings and length-limited texts, and also test the usability of digital multilingual content for you.

Member of

MedicalMountains



“State-of-the-art” language technologies

We have repeatedly been ranked as the “Best Language Service Provider for SMEs”, because all our processes are consistently focused on the needs and requirements of our customers. They benefit from simple and efficient procedures as well as clear, easy-to-understand texts that are ready for the international market in the shortest time possible.

“Best-in-class” supplier management

Our native speakers are subject to strictly defined criteria such as a recognised university degree and several years of experience in the field of medical technology. We are constantly developing their performance with our evaluation and feedback system. Only top language suppliers are used for healthcare-related texts.

“One-stop” language management

We talk MedTech in all languages and follow the medical product lifecycle from clinical studies to patents and e-health products – with comprehensive translation services and language consulting:

- Source text optimisation
- Process consultation
- Project management
- Tool infrastructure
- In-country reviews
- Desktop publishing
- Backtranslation

DÜRR DENTAL about Transline

“With Transline’s integrative portal solution, we have significantly increased our process reliability by eliminating manual steps. At the same time, we benefit from shorter delivery times, improved quality, and cost savings for translations. Plus: all steps and corrections are documented clearly and in accordance with the MDR.” /// Dr Martin Koch, Head of Technical Academy at DÜRR DENTAL SE

TRUMPF

Name ›	**TRUMPF Laser- und Systemtechnik GmbH**
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Email ›	**medtec@trumpf.com**
Website ›	**www.trumpf.com**
Social Media ›	**in**
Number of Employees ›	**14,300**
Founded (year) ›	**1923**
Areas of Activity ›	**TRUMPF is a technology and market leader in highly versatile machine tools for sheet metal processing and in the field of industrial lasers.**
Annual Turnover ›	**€3.5bn**

Member of

VDMA Working Group Medical Technology · MedicalMountains · IVAM.

TRUMPF was founded in 1923 as a series of mechanical workshops and has since then developed into one of the world's leading companies for machine tools, laser technology, and electronics for industrial applications. The company's mission is to further develop and digitally connect production technology, to make it even more efficient, precise, and future-proof. In doing so, TRUMPF works towards making manufacturing and its upstream and downstream processes more efficient. TRUMPF's software solutions pave the way to the Smart Factory, allowing companies to implement high-tech processes in industrial electronics.
The family company is headquartered in Ditzingen near Stuttgart, Germany and is represented by over 70 subsidiaries in all of the world's leading markets. Production facilities are located in Austria, China, the Czech Republic, France, Great Britain, Italy, Japan, Mexico, Poland, Switzerland, and the United States.

Expert in laser technology

The product portfolio of TRUMPF starts in the range of low-power lasers for e.g. marking and ends up with multi-kilowatt systems for the chip-producing industry. Between these poles a large variance in power, pulse length, wavelength, and beam quality can be offered. No matter if it is cutting, welding, cleaning, or marking of stainless steel, aluminum, copper, or plastics – there is a laser for each application. Furthermore, a large variety of machine systems is available.
TRUMPF is a strong and reliable partner for medical technology companies, mainly in the fields of laser marking, laser cutting, and laser welding, but also in metal 3D printing. Long-term success within the market is based on high-end technical solutions and a strong drive for innovation.

Laser marking

Laser marking is a process that has become indispensable when applying UDI codes. Nevertheless, every material needs the right laser to apply high-quality markings. For instance, the integration of pico- and femtosecond lasers into marking systems enables the so-called black-marking process. This process is used to create durable, long-lasting UDI markings on metal surfaces – a manda-

tory requirement for the medical-device production. In addition, TruMark systems also realize processes related to the actual marking, such as quality control through image processing or communication with databases.

Laser welding + Laser cutting

The joining of complex products requires highly reliable manufacturing methods. The TRUMPF laser welding systems enable a broad range of benefits in precise and repeatable 3D laser welding of assemblies such as medical instruments. The large variety of welding optics and laser sources allows the optimal configuration for individual production demands. Implemented image processing and monitored laser power ensure consistently high-quality process results.

As a pioneer in laser cutting, TRUMPF offers sophisticated and robust technology for 2D and 3D cutting applications. Thanks to excellent precision and dynamics, even the smallest workpieces and devices can be processed without compromising on the high demands for quality and productivity.

Metal 3D printing

3D printing is shaping the future of industrial production. Metal 3D printing with TRUMPF offers the possibility to create a completely new product right from scratch that fulfills the quality standards. Starting with loose metal powder, our TruPrint machines can economically print orthopaedic devices, CMF implants, tooling inserts for the manufacturing of disposable products, or any other devices. In addition, further developments of in-line process monitoring and process automation make the technology even more reliable and reproducible.

To satisfy the high demands of medical technology, TRUMPF Laser- und Systemtechnik GmbH not only offers turnkey solutions including consulting and application support, but also provides expert advice in industry-specific topics such as equipment qualification. Together with its customers, TRUMPF acts as a solution provider with a strong focus on future trends and development projects.

Get in touch at www.trumpf.com

Name › **TYROLIT Group**

Address/P.O. Box › **Swarovskistrasse 33**
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Country › **Austria**
Telephone › **+43-5242-606-0**
Website › **www.tyrolit.com**
Social Media ›
Number of Employees › **> 4,400**
Founded (year) › **1919**

Areas of Activity › **Grinding tools for medical technology:**
- **Orthopedics (artifical knee, hip and trauma implant grinding)**
- **Medical equipment (scissors, scalpels, tweezers, etc.)**
- **Dental**
- **Needles (hypodermic and sewing needle grinding)**
- **Guide wires**

Annual Turnover › **€593m (2020)**

The TYROLIT Group

TYROLIT is one of the world's leading manufacturers of grinding and dressing tools as well as a system provider for the construction industry. Since 1919, our innovative tools have made an important contribution to the technological development in many industries.

TYROLIT offers tailored grinding solutions for various applications, as well as a comprehensive assortment of standard tools for customers all over the world. Headquartered in Schwaz (Austria), the family-owned business combines the strengths of being a part of the dynamic Swarovski Group with over a century's worth of experience. A passion for technology and a strong innovative spirit have been incorporated into the manufacture of high-quality grinding solutions.

TYROLIT in medical technology

These days, humans are getting older on average than ever before. Since 1990, life expectancy in the EU has increased from 74 to over 81 years. This trend has a major impact on many parts of our life.

The trend of an ever-aging society has increasingly brought medical advancements and medical technology into the spotlight. At the same time, a long and active life puts a particular strain on our joints. Orthopaedics therefore plays an important role in the field of medical technology. Hip and knee joint operations in particular are now routine interventions. However, the dental industry accounts for the largest percentage of implants. Over one million dental implants are installed each year in Germany alone.

The demand for ever better and more durable products through the use of new materials in the production process is steadily increasing. With numerous system solutions and proven experience, TYROLIT is a competent partner for medical technology customers.

Member of

VDMA
Working Group Medical Technology

TYROLIT

Due to the high requirements and small tolerances in this industry, partners experienced in manufacturing are needed to guarantee consistent quality of the finished products. With innovative grinding solutions, for example, TYROLIT ensures that hypodermic needles are sharp with no microscopically small barbs and that patients with new hips can get back to moving smoothly as quickly as possible.

In knee joint grinding TYROLIT offers a lightweight core made of natural fibres, which allows for a significant weight reduction. The N-LW (natural lightweight) core is not only lighter and more cost-effective, but also offers positive damping characteristics. In grinding femur components the use of superabrasive grinding tools is the industry standard and TYROLIT manufactures a double-layered disc with a high abrasive layer and special shape that can be used for processing over the full 20 mm.

For the machining of hip joints TYROLIT offers a selection of various resin and vitrified bonded grinding and polishing sleeves. The productivity of the manufacturing process can be increased by using conventional or superabrasive grinding tools adapted to the respective application. For example, by using superabrasive tools, the cycle times for pre-grinding could be reduced from 10 minutes to 1 minute.

A third pillar of TYROLIT's medical technology portfolio is the processing of surgical instruments. An updated range of grinding and finishing tools is used for a variety of finishing processes. For more safety during surgical procedures, scalpels are sharpened with TYROLIT COOL CUT discs and finished with elastic or non-woven tools, thus guaranteeing the highest surface quality.

TYROLIT, a household name in all abrasive applications, offers customers also a dedicated application engineering support for the optimal use of its abrasive tools.

Name › Waldemar Link GmbH & Co KG

Address/P.O. Box › Barkhausenweg 10
Postal Code/City › 22339 Hamburg
State › Germany
Contact Person › Helmut D. Link
Telephone › +49-40-53395-0
Email › info@linkhh.de
Website › www.linkorthopaedics.com
Number of Employees › approx. 1,200 (worldwide)
Founded (year) › 1948

Areas of Activity ›
- Medical devices
- Joint replacement
- Orthopaedic products

Waldemar Link GmbH & Co. KG

LINK is one of the world's leading manufacturers of implants for arthroplasty. Established by Waldemar Link in 1948 as a supplier to hospitals, the family-owned firm based in Hamburg has a clear mission – to improve quality of life for patients around the world by means of high-quality, innovative, and biocompatible joint prostheses. The company conducts its research, development and production in Germany.

Full-service provider for arthroplasty

LINK is a successful full-service provider for arthroplasty. Subsidiaries and distributors around the globe ensure that LINK's endoprostheses and know-how are made available to customers all over the world in the shortest possible time. In China, the largest key market outside of Germany, the company is one of the market-leaders in the premium segment. LINK is very successful in the USA and in all other major world markets. An important focus of worldwide sales is opening up developing markets.

Member of

BVMed Enhancing Health

LIFE SCIENCE NORD

Pioneer and pacesetter in the field of arthroplasty

The history of Waldemar Link GmbH & Co. KG stretches back to 1948. Even in those days, company founder Waldemar Link's philosophy was: In order to deliver the highest quality, there cannot be any compromises, while new developments and progress have to serve physician, patient and the company in equal measure. Today, Helmut D. Link runs the company in the second generation – and in the same spirit. This firm conviction and the dedication of the staff at LINK, who number more than 1,200, have turned what was once a specialist supplier of hospital products into a pioneer and pacesetter in the field of arthroplasty. Consequently, LINK developed the first German total hip prosthesis, the St. George hip system, as early as 1963, thereby ushering in a new era in arthroplasty. Ever since then, the company has placed emphasis on close cooperation with partners in medical practice in order to develop optimal solutions, while the LINKademy provides specialist training for surgeons, orthopedists, and their surgical staff from orthopedic hospitals around the world.

Kammerer Medical Group

Name › **Weber Instrumente GmbH & Co. KG**

Address/P.O. Box › **Friedrich-Wöhler-Str. 8**
Postal Code/City › **78576 Emmingen-Liptingen**
State › **Baden-Wuerttemberg**
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Email › **info@kammerer-med.de**
Website › **Kammerer-Med.de**
Social Media ›
Founded (year) › **2000**

Areas of Activity ›
- **Design and manufacturing of surgical instruments**
- **Medical grade silicone molding**
- **Customer focused process development**

How our employees see us

As a leading technology and service company, we are geared towards customer-oriented growth and new technologies in the medical technology sector.
We stand by Germany as a business location.
Our team masters the processes, documentation, and regulations in order to further increase the sustainability of our company.

Our customers receive all the information they need to fulfil the MDR

As a contract manufacturer, Weber has made it our business to pass on all necessary information to our customers in order to facilitate their access to the medical device market in the best possible way. To this end, Weber supports our customers with all information from the manufacturing process, but also from our extensive repertoire of cleaning and sterilisation validations.

Process control

All manufacturing processes are regularly checked for possible risks via pFMEA. In addition, all auxiliary and operating materials are specified for each manufacturing process, and non-verifiable processes are validated.

In order to make this information available to the customer in a timely manner for a wide range of products, Weber invested in database systems at an early stage and can now make this information available in granular form across the entire product manufacturing process at the push of a button.

Member of

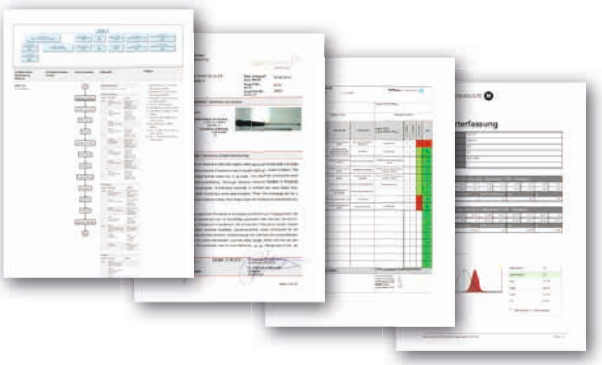
MedicalMountains

top innovator 2012 | top innovator 2015 | top innovator 2016 | Top-Innovator 2017 | Top-Innovator 2020

weberINSTRUMENTE

SoftGrip – the original
More patient safety

As manufacturer of the original SoftGrip handle for surgical instruments, Weber can produce a large number of products. Our modular design allows us to adapt handles of screwdrivers, chisels, curettes, or flexible coupling systems, among other things.
But flexibility is not the only advantage. The SoftGrip handle is durable and has particularly good cleaning properties, which Weber has been able to prove in various tests. It is therefore far superior to plastic handles, which have already been recalled extensively from the market in the past due to gap contamination.



Complete systems for your implant

Through many years of experience Weber has developed into a supplier of complete instrument systems. Weber not only uses our own designs, but also offers customers the possibility to specify their own shapes for silicone handles and thus present their trademark appearance. Thanks to lean digitised processes, Weber is able to dramatically reduce the time from the first batch.

download our product catalog

WILD

Name ›	WILD Group
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Website ›	www.wild.at
Social Media ›	
Number of Employees ›	450
Founded (year) ›	1970
Areas of Activity ›	Contract development and contract manufacturing of optomechatronic systems for medical & life science and in-vitro diagnostics & analytics
External Collaborations ›	| SPECTARIS | WIN – WILD Integrated Network | EIT Health | Additive Manufacturing Austria | HTS – Human Technology Styria | Silicon Alps | Medizintechnik-Cluster Business Upper Austria | Photonics Austria | VNL – Verein Netzwerk Logistik

The WILD Group – corporate philosophy

WILD is the most trusted partner in optomechatronic systems for the world market leaders in medical technology, optical technologies, and industrial technology. WILD develops and produces your high-quality products and guarantees stable processes across the entire product cycle.

WILD develops and manufactures exclusively on behalf of its customers and also makes all research, development, and design results available to the customer.

WILD endeavours to always behave in such a manner so as to ensure that customers, suppliers, staff members, investors, and all stakeholders develop a maximum level of trust in WILD.

One-stop process

WILD is your system partner for the development and production of your sophisticated optomechatronic assemblies and complete devices:

- Adjustment of our service packages to suit your requirements
- WIN – WILD Integrated Network – A partner network that ensures flexible and full availability of all required skills and resources
- No own products under the WILD brand

Our service modules

We solve complex problems with a flexible combination of suitable elements from our range of services:

Engineering | Co-Engineering | Re-Engineering | Value Engineering | Life Cycle Engineering | Regulatory Affairs | Process Engineering & Validation | Prototyping | Production Transfer | Supply Chain Design | Repairs & Refurbishments

Member of

SPECTARIS
Medizintechnik

Your benefits

Simple

- Simplification
- One-stop shop for optomechatronics

Reliable

- Comprehensive, carefree package
- From the idea to the product's end-of-life

Quick

- Time-to-market success
- Prompt replacement

Optimised

- Avoiding wastage
- Minimised total cost of ownership

Flexible

- Rapid implementation of changes
- High availability combined with low capital
- Commitment

WILD Figures

Core business areas
Medical technology and optical technologies

Certifications
ISO 9001 – certified since 1990
ISO 13485 – certified since 2004
FDA registration

Annual mfg capacities
350,000 hours

Cleanroom
ISO class 6 cleanroom
ISO class 5 flow box

Low-germ manufacturing
50 CFU accord. to ISO 14698

Benefit from the modularity of our processes – tailored to your requirements!

WIRTHWEIN
MEDICAL

Name › Wirthwein Medical GmbH & Co. KG

Address/P.O. Box › Bahnhofstrasse 80
Postal Code/City › 64367 Mühltal
State › Hesse
Contact Person › Janina Adam
Telephone › +49-6151-919-340
Fax › +49-6151-919-919
Email › info@wirthwein-medical.com
Website › www.wirthwein-medical.com
Number of Employees › 330
Founded (year) › 1946

Areas of Activity ›
- Medical technology
- Diagnostics
- Pharma

Wirthwein Medical GmbH & Co. KG – We bring plastics to life

Founded by Horst Riegler in 1946, Wirthwein Medical GmbH & Co. KG is today a high-performance system supplier for plastics processing and a development partner for plastic-based product solutions. Focusing on quality and innovation, Wirthwein Medical has also made its mark internationally in the diagnostics, medical technology, and pharmaceutical industries – with high-precision, customised components, packaging, and systems. Our core competences include development, design, mould making, injection moulding and extrusion blow moulding, and a wide range of assembly, finishing, and logistics services. Most of our production is carried out in class 7 clean rooms pursuant to ISO 14644-1. Highest, standardised quality and hygiene standards are assured using gapless, certified quality management according to ISO 13485, 9001, 15378, and ISO 50001.

Presently, more than 300 employees work at three sites in Mühltal and Ober-Ramstadt – on a total area of around 55,000 square meters.

Wirthwein Medical GmbH & Co. KG has been a subsidiary company of the internationally active, family-managed Wirthwein Group since 2005.

Highest article purity thanks to certified ISO 7 clean room production

As an experienced expert in clean room production, we manufacture customer-specific system solutions and components under standardised and controlled conditions. Based on our hygiene guidelines according to DIN EN ISO 14644-1 (Class 7), process monitoring, and our Riegler Minimum Human Contact philosophy we guarantee clean and dust-free production of your products. Our reliability is appreciated by our customers from pharmaceuticals, diagnostics, and also medical technology, particularly in the application field of PCR and in ATP hygiene monitoring.

All in One by Wirthwein Medical

As a system supplier of highly complex plastic components, assemblies, and packaging material we meet the specific demands of the medical technology, diagnostics, and pharmaceutical industries.

Product examples

Medical technology

- Micro moulded parts made of thermoplastic materials
- Tubes and flanges for hemodialysis
- Systems for ophthalmological applications

Diagnostics

- Diagnostics systems for automated blood analysis
- PCR diagnostics (e.g. tubes & stripes)
- Laboratory diagnostics (e.g. petri dishes)
- Systems for DNA analysis & DNA duplication

Pharmaceutical industry

- Rapid test devices (e. g. for ATP measurements)
- Dosing and closure systems
- Plastic bottles for drugs and sensitive active ingredients
- Primary packaging for maximum patient safety

Customised packaging solutions made of plastics

We provide you with high-quality and economic primary and secondary packaging for a variety of applications in the diagnostics, medical technology, cosmetics, pharmaceutical, and food industries:

- Closures and covers
- Bottles
- Containers and cans
- Application systems and mixing systems

Name › **ZECHA Hartmetall-Werkzeugfabrikation GmbH**

Address/P.O. Box › **Benzstrasse 2**
Postal Code/City › **75203 Königsbach-Stein**
State › **Baden-Wuerttemberg**
Contact Person › **Arndt Fielen**
Telephone › **+49-7232-3022-0**
Fax › **+49-7232-3022-25**
Email › **info@zecha.de**
Website › **www.zecha.de**
Social Media ›
Number of Employees › **Ca. 130**
Founded (year) › **1964**

Areas of Activity ›
- **Medical and dental technology**
- **Chronograph industry**
- **Automotive industry**
- **Tool and mould making**

External Collaborations ›
- **AlienTools GmbH**
- **MPK Special Tools GmbH**
- **ZECHA PRECISION TOOLS LIMITED**

Member of

VDMA
Working Group Medical Technology

ZECHA Hartmetall-Werkzeugfabrikation GmbH has been a pioneer and trendsetter in the field of micro cutting, blanking, and forming tools for over half a century. The company's origins in the chronograph industry can be seen not only in its uncompromising specialisation in the production of miniature tools of the highest precision, but also in its special tool solutions. Precision and quality are key for the international application in different industries, for example, in medical and dental technology.

Reliable machining of steels up to 58 HRC, titanium, stainless steel alloys, and special materials

Especially in medical technology, the centre cut ensures excellent surface finishes for all QUEEN BEE tools, even in flat areas, in dry as well as wet milling. With adapted flute and micro geometries for good chip removal and quiet cutting, the machining of titanium, stainless steel alloys, and special materials up to 2.200 N/mm² and to pre-mill soft steel components up to 58 HRC with the highest service life and maximum precision.

Optimum geometries for Torx®* interfaces

Machining of titanium, stainless steel, and special materials in medical technology requires individual solutions at the highest level. For example, the TORX®* interface in medical technology is a proven and frictional connection between bone screw and screwdriver. For milling the TORX®* contour in titanium and stainless steel screws, ZECHA designed special micro-milling cutters that offer maximum precision, surface quality, and sustainable profitability.

Precise tools for implants

In addition to patented series 462 of solid carbide whirl thread cutters for cylindrical and precisely contoured internal threads, such as those needed for implant posts and medical devices, ZECHA also offers reliable diamond-coated milling cutters for machining zirconium oxide, as well as special WAD-coated milling cutters for cobalt-chromium, plastics, and wax for manufacturing dental replacements.

ZECHA HARTMETALL-WERKZEUGFABRIKATION

Reliable tools for the dental industry

Materials that are especially difficult to machine call for high-quality milling tools to produce the small, intricate geometries of inlays and onlays, bridges, and crowns. For these applications, ZECHA produces reliable diamond-coated mill cutters for the machining of zirconium oxide, cobalt-chromium, plastics, and wax.

Competence in the manufacture of bone plates

Exacting applications in titanium, stainless steel, and special materials, such as for the complex production of bone plates, are mastered by using ZECHA's high-quality, optimally coordinated tool solutions.

Steadfast with cool precision

The KINGFISHER line was developed especially for the machining of difficult-to-process materials in medical technology and features the interplay of new solid carbide substrate, innovative cooling solutions, and a more stable basic geometry. In combination with the latest WAD coating technology, these tools master any challenge steadfastly and precisely. Two different integrated cooling solutions independent of the tool – coolant channels in shank (SC) and internal cooling (IC) – deliver the coolant where it is needed: directly at the flute.

Challenge of PEEK machining

For difficult-to-machine materials in the medical technology sector, ZECHA sees a solution approach in the use of the innovative IGUANA tool line. With laser-sharpened cutting edges and highly wear-resistant, sealed diamond coating, these multi-cutters in the small bore sector effortlessly process highly abrasive materials such as nonferrous metals, copper, or even PEEK.

* Third-party brand

German Medtech Companies

The register contains cluster members and associated companies of:

BVMed:	German Medical Technology Association
FMP:	Network Forum MedTech Pharma
IVAM:	Microtechnology Network
LSN:	Life Science Nord Cluster
MM:	Cluster MedicalMountains
MTSW:	MicroTec Südwest
MV:	Medical Valley European Metropolitan Region of Nuremberg
SPECTARIS:	German Hightech Industry Association
VDMA:	The Mechanical Engineering Industry Association

1A CUE Consulting & Engineering GmbH, Schöngeising (FMP,MV)
1stQ Deutschland GmbH, Mannheim (BVMed)
2be_die Markenmacher GmbH, Nürnberg (MV)
2E mechatronic GmbH & Co. KG, Kirchheim unter Teck (MM)
2k Produktentwicklung Koentopp + Kargl GbR, München (FMP)
2W Technische Informations GmbH & Co. KG, München (VDMA)
3C-Carbon Composite Company GmbH, Landsberg am Lech (FMP)
3D-LABS GmbH, St. Georgen (MM)
3D-Shape GmbH c/o ISRA Vision, Erlangen (FMP)
3M Deutschland GmbH, Neuss (BVMed)
3T GmbH & Co. KG, Tuttlingen (MTSW)
4voice AG, Haar (FMP)

A

A. Hopf Kunststoffverarbeitung GmbH, Cadolzburg (FMP)
A.R.C. Laser GmbH, Nürnberg (FMP,MV)
aap Implantate AG, Berlin (BVMed)
AB-CT - Advanced Breast-CT GmbH, Erlangen (MV)
ABB AG, Ladenburg (MTSW)
Abbott GmbH, Wiesbaden (BVMed, SPECTARIS)
Abbott Medical GmbH, Wetzlar (BVMed)
Abena GmbH, Zörbig (BVMed)
ABF-Pharmazie, ABF, Apothekerin Eva Schreier e. K., Fürth (MV)
Abiomed Europe GmbH, Aachen (BVMed)
acad group GmbH, Heilsbronn (FMP,MV)
Acandis GmbH, Pforzheim (BVMed)
Accenture GmbH (früher designaffairs GmbH), Erlangen (MV)
ACE Stoßdämpfer GmbH, Langenfeld (VDMA)
Acentiss GmbH, Leinfelden-Echterdingen (MM)
Ackermann Instrumente GmbH, Rietheim-Weilheim (MM)
ACMIT GmbH, Wiener Neustadt (A) (FMP)
acp systems AG, Ditzingen (MTSW)
ACSYS Lasertechnik GmbH, Kornwestheim (VDMA)
Activoris Medizintechnik GmbH, Gemünden (FMP,MV)
ACTO GmbH, Braunschweig (FMP)
Actuator Solutions GmbH, Gunzenhausen (FMP)
AdaLab UG, Hamburg (LSN)
ADAPT Localization Services GmbH, Bonn (FMP)
add'n solutions GmbH & Co. KG, Tuttlingen (MM)
Admedes GmbH, Pforzheim (MTSW)
ADT Angst Drehteile GmbH & Co. KG, Frittlingen (MM)
Advalange, Moskau (RUS) (FMP)
Advanced Medical Solutions, Winsford (GB) (FMP)
ADVANOVA GmbH, Schwaig b. Nürnberg (MV)
AdvInno GmbH, Lübeck (LSN)
ADVITOS GmbH, München (FMP)
AEMtec GmbH, Berlin (FMP, IVAM, MM)
Aesculap AG, Tuttlingen (BVMed, MM)
AESCULAP AKADEMIE GmbH, Tuttlingen (SPECTARIS)
aescuvest GmbH, Frankfurt (MV)
AFRA GmbH, Erlangen (MV)
Ageneo Life Science Experts GmbH, München (FMP)
aidhere GmbH, Hamburg (LSN)
air-be-c Medizintechnik GmbH, Gera (SPECTARIS)
AIT Austrian Institute of Technology GmbH, Wien (A) (FMP)
AKP GmbH, Freiburg (MM)
Akrus GmbH & Co. KG, Elmshorn (LSN)
aktivmed GmbH, Rheine (BVMed)
AKTORmed GmbH, Barbing (FMP)
Albert-Ludwigs-Universität Freiburg – IMTEK, Freiburg (MTSW)
Albomed GmbH, Schwarzenbruck (MV)
Albrecht Präzision GmbH & Co. KG, Wernau (VDMA)
ALCON Deutschland GmbH, Freiburg (BVMed)
Alcon® Pharma GmbH, Großostheim (SPECTARIS)
Alfred H. Schütte GmbH & Co. KG, Köln (VDMA)
Alfred Jäger GmbH, Ober-Mörlen (VDMA)
Allergan GmbH, Wiesbaden (BVMed)
Allgaier Instrumente GmbH, Frittlingen (MM)
Allied Vision Technologies GmbH, Stadtroda (VDMA)
ALLISTRO GmbH, Frankfurt (MV)
alloPlus GmbH, Saarbrücken (BVMed)
ALLTEC GmbH, Selmsdorf (MM)
ALPO Medizintechnik GmbH, Auerbach (FMP,MV)
ALS Automated Lab Solutions GmbH, Jena (SPECTARIS)
altona Diagnostics GmbH, Hamburg (LSN)
Altran Deutschland S.A.S. & Co. KG, München (FMP)
Ambu GmbH, Bad Nauheim (BVMed)
Amedon GmbH, Lübeck (LSN)
AMIPLANT GmbH, Schnaittach (MV)
AMNOTEC International Medical GmbH, Neuhausen o.E. (MM)
AmplexDiagnostics GmbH, Gars Bahnhof (FMP)
AMPLITUDE GmbH, Nieder-Olm (BVMed)

AMPri Handelsgesellschaft mbH, Winsen (Luhe) (LSN)
ams Sensors Germany GmbH, Nürnberg (IVAM)
AMSilk GmbH, Planegg/Martinsried (FMP)
Anchor Diagnostics GmbH, Hamburg (LSN)
Anderson Europe GmbH, Detmold (VDMA)
Andreas Fahl Medizintechnik-Vertrieb GmbH, Köln (BVMed)
Andreas Hettich GmbH & Co. KG, Tuttlingen (MM, SPECTARIS)
ANDREAS MAIER GmbH & Co. KG, Fellbach (VDMA)
Andritz AG, Graz (Österreich) (VDMA)
Angewandte System Technik GmbH Energie & Umwelttechnik, Wolnzach (FMP)
Ansell GmbH, München (BVMed)
anteris medical GmbH, Holzkirchen (FMP)
Anton Hipp GmbH, Fridingen an der Donau (MM)
Anton Hübner GmbH & Co. KG, Ehrenkirchen (BVMed)
AnyTec Hygienesysteme, Apolda (FMP)
AOK Bayern - Die Gesundheitskasse, München (FMP)
AP&S International GmbH, Donaueschingen (MTSW)
APAG Cosyst Control Systems GmbH, Nürnberg (MV)
Apium Additive Technologies GmbH, Karlsruhe (MM)
Apotheke Schug, Eschenbach (MV)
APT Advanced Polymer Tubing GmbH, Neuss (VDMA)
Arbeitskreis Medizintechnik Hamburg e.V., Hamburg (LSN)
ARBURG GmbH + Co KG, Loßburg (VDMA)
arelion AG, Schwabach (MV)
Arjo Deutschland GmbH, Mainz-Kastel (BVMed)
Arnd Sauter GmbH, Hornberg (MM)
ArtFlex Software GmbH, Nordhalben (MV)
ARTIMED® Medical Consulting GmbH, Kassel (MM)
Artus Communications Ltd., Halle (FMP)
ärzte.de MediService GmbH & Co. KG, Nürnberg (MV)
AS Medizintechnik GmbH, Tuttlingen (MM)
ASANUS Medizintechnik GmbH, Neuhausen (MM,SPECTARIS)
Asbach Medical Products GmbH, Obrigheim (FMP)
ascendi MEDIZINTECHNIK, Nürnberg (FMP,MV)
ascenion GmbH, Hamburg (LSN)
ASCO Numatics GmbH, Ölbronn-Dürrn (VDMA)
ASPROVA AG, Wetzlar (VDMA)
ASQF e.V., Potsdam (MV)
ASSAmed GmbH, Bexbach (BVMed)
ASSKEA GmbH, Gebesee (SPECTARIS)
AstraCon GmbH, Tübingen (FMP)
AstraZeneca GmbH, Wedel (LSN)
ASTRUM IT GmbH, Erlangen (FMP,MV)
asvin GmbH, Stuttgart (MTSW)
AT-Design, Fürth (FMP,MV)
ATMOS MedizinTechnik GmbH & Co. KG, Lenzkirch (BVMed, SPECTARIS)
ATR Software GmbH, Neu-Ulm (MTSW)
Attends GmbH, Schwalbach am Taunus (BVMed)
AUC - Akademie der Unfallchirurgie GmbH, München (FMP)
auric Hörsysteme GmbH & Co. KG, Rheine (BVMed)
AURITEC Medizindiagnostische Systeme GmbH, Hamburg (LSN)
Automation W+R GmbH, München (VDMA)
Avanti GmbH, Hamburg (FMP)
aXcent medical GmbH, Koblenz (SPECTARIS)
AxynTeC Dünnschichttechnik GmbH, Augsburg (FMP, IVAM)
aycan Digitalsysteme GmbH, Würzburg (MV)

B

B Medical Systems S.a r.l., Hosingen
B. Braun Melsungen AG, Melsungen (BVMed)
B. Braun Miethke GmbH & Co. KG, Potsdam (SPECTARIS)
B. Ketterer Söhne GmbH & Co. KG., Furtwangen (MM)
B.Braun Avitum Saxonia GmbH, Radeberg (SPECTARIS)
Baden-Württemberg International, Stuttgart (MTSW)
BadenCampus GmbH & Co. KG, Breisach (MTSW)
BAG Diagnostics GmbH, Lich (FMP)
BaHe Verpackungen OHG (Georg Schrepfer GmbH), Nürnberg (MV)
Bahia Software S.L.U., Santiago de Compostela (ES) (MV)
Balance Netzwerk Augsburg c/o Balance Consulting UG, Augsburg (FMP)
Balluff GmbH, Neuhausen (MTSW,VDMA)
BAM GmbH , Weiden (MV)
Bartels Mikrotechnik GmbH, Dortmund (FMP, IVAM)
Basler AG, Ahrensburg (VDMA)
BATT mbH, Erfurt (IVAM)
Bauer & Häselbarth - Chirurg GmbH, Ellerau (LSN)
Bauer und Häselbarth-Chirurg GmbH, Ellerau (SPECTARIS)
Baumüller Nürnberg GmbH, Nürnberg (VDMA)
Bausch & Lomb GmbH, Berlin (BVMed)
Bavaria Digital Technik GmbH, Pfronten (FMP)
Bavaria Medizin Technologie GmbH, Oberpfaffenhofen (FMP)
Baxter Deutschland GmbH, Unterschleißheim (BVMed)
Bayerische Patentallianz GmbH, München (FMP)
Bayerisches Laserzentrum GmbH, Erlangen (MV)
Bayern Innovativ - Bayerische Gesellschaft für Innovation und Wissenstransfer mbH, Nürnberg (FMP)
bayoonet AG, Darmstadt (FMP, MM,MV)
BayStartUp GmbH, Nürnberg (MV)
BAZARGANI | Medical Design, Hamburg (LSN)
BBC Cellpack Technology, Villmergen (CH) (MM)
BBF Sterilisationsservice GmbH, Kernen-Rommelshausen (MM)
bc-technology GmbH, Frickenhausen (MM)
BCAUS GmbH, Nürnberg (MV)
BD Becton Dickinson GmbH, Heidelberg (BVMed)
BDT-MVZ Radiologie & Nuklearmedizin, Erlangen (MV)
be-on-Quality GmbH, Reichenschwand (FMP)
Beat Drop GmbH, Berlin (FMP)
Beaver-Visitec International (BVI), Heidelberg (BVMed)
BEE Medic GmbH, Singen (FMP)
Beenen IT-Lösungen GmbH, Deutsch Evern (LSN)
BEETZ & PARTNER mbB Patent- und Rechtsanwälte, München (FMP)
Beiersdorf AG, Hamburg (BVMed)
Belimed GmbH, Mühldorf (SPECTARIS)
BEMA GmbH + Co. KG, Emmingen-Liptingen (MM)
Benkana Interfaces GmbH & Co. KG, Kiel (LSN)
BERGER Industries e.K., Troisdorf (IVAM)
Berghaus Translations, Speyer (FMP)
Berlin Heart GmbH, Berlin (BVMed)
Berliner Glas KGaA Herbert Kubatz GmbH & Co., Berlin (SPECTARIS)
BERNSTEIN AG, Porta Westfalica (VDMA)
Bertrandt Medical GmbH, Ehningen (FMP,MV)
Berufsgenossenschaftliches Universitätsklinikum Bergmannsheil GmbH, Bochum (FMP)
best medical GmbH, Neuhausen ob Eck (MM)
Bezirkskliniken Mittelfranken, Ansbach (MV)
BG Klinikum Murnau gGmbH, Murnau (FMP)
BG Medical Applications GmbH, Berlin (IVAM)

BGM konkret eK, Hamburg (LSN)
BGS Beta-Gamma-Service GmbH & Co. KG, Wiehl (BVMed)
BILZ Werkzeugfabrik GmbH & Co. KG, Ostfildern (VDMA)
Binder Elektronik GmbH, Höpfingen-Waldstetten (MTSW)
binder Innovations- & Technologie Zentrum (ITZ), Bad Rappenau (MTSW)
Bio-Gate AG, Nürnberg (FMP,MV)
BioCer Entwicklungs-GmbH, Bayreuth (FMP)
BioFluidix GmbH, Freiburg (MTSW)
BioKat Systeme GmbH, Lahr (MM)
biolitec biomedical technology GmbH, Jena (BVMed)
BioM Biotech Cluster Development GmbH, Martinsried (FMP)
BioMed Center Innovation gGmbH, Bayreuth (FMP,MV)
Biomed Labordiagnostik GmbH, Oberschleißheim (FMP)
BioMedical Services, Strullendorf (FMP)
BioPark Regensburg GmbH, Regensburg (FMP)
BIOPRO Baden-Württemberg GmbH, Stuttgart (MTSW)
BiOPT Bettina Illig, Hannover (FMP)
biosaxony Management GmbH, Leipzig
BioTeSys GmbH, Esslingen (FMP)
BIOTRONIK SE & Co. KG, Berlin (BVMed)
BioVariance GmbH, Waldsassen (FMP,MV)
Blaser Swisslube GmbH, Stuttgart (VDMA)
Bloom Health UG, Berlin (FMP)
Bloss-Systems GmbH , Wendelstein (MV)
Bluewater Medical GmbH, Kiel (LSN)
Blutspendedienst des Bayerischen Roten Kreuzes gGmbH, München (FMP)
BMC-PRIMA GmbH, Uhingen (MM)
BMF GmbH, Grüna (VDMA)
BMP Competence GmbH, Alsdorf (FMP)
Bobbert & Partner Patentanwälte PartmbB, Erding (FMP)
Bode Chemie GmbH, Hamburg (LSN)
Boehringer Ingelheim microParts GmbH, Dortmund (IVAM)
BOGE KOMPRESSOREN Otto Boge GmbH & Co. KG, Bielefeld (VDMA)
bon Optic Vertriebsgesellschaft mbH, Lübeck (SPECTARIS)
BONESUPPORT GmbH, Frankfurt (BVMed)
Bosch + Sohn GmbH u. Co. KG, Jungingen (SPECTARIS)
Bosch Sensortec GmbH, Reutlingen (MTSW)
Boston Scientific Medizintechnik GmbH, Ratingen (BVMed)
BoxQM, Geisingen-Gutmadingen (MM)
Bracco Imaging Deutschland GmbH, Konstanz (BVMed)
Brainlab AG, München (BVMed)
Brainport Industries, BX Eindhoven (FMP)
Breas Medical GmbH, Herrsching (SPECTARIS)
Brigitte Mack MT Consulting und Dokumentation, Maintal (FMP)
Briltech IT UG, Oppenau (MTSW)
Bristol-Myers Squibb GmbH & Co. KGaA, München (FMP)
Bronner & Martin KG, Emmingen-Liptingen (MM)
Brückner Group GmbH, Siegsdorf (VDMA)
Bruker Nano GmbH, Berlin (IVAM)
BSI Deutschland GmbH, Frankfurt am Main (LSN)
BSL BIOSERVICE Scientific Laboratories Munich GmbH, Planegg (FMP)
BSN medical GmbH, an Essity company, Hamburg (BVMed, LSN)
BUNZL Healthcare GmbH, Berlin (BVMed)
Bürkert GmbH & Co. KG, Ingelfingen (VDMA)
Burmeier GmbH & Co. KG, Lage (SPECTARIS)
Business Upper Austria – OÖ Wirtschaftsagentur GmbH, Linz (A) (MV)
bwcon e.V., Stuttgart (MTSW)
Byonoy GmbH, Hamburg (LSN)
Bytec Medizintechnik GmbH, Eschweiler (FMP, VDMA)

C

C. Bruno Bayha GmbH, Tuttlingen (MM)
C. Otto Gehrckens GmbH & Co. KG, Pinneberg (VDMA)
CabTec AG, Rotkreuz (Schweiz) (VDMA)
CADFEM GmbH, Grafing bei München (FMP, VDMA)
CADiLAC Laser GmbH, Hilpoltstein (FMP)
Camfil GmbH, Reinfeld (VDMA)
camLine Dresden GmbH, Dresden (IVAM)
CAMOLEON knowledge brokerage, Hamburg (FMP, LSN)
Camozzi Automation GmbH, Albershausen (VDMA)
CAMPTON Diagnostics GmbH, Itzehoe (IVAMLSN)
CANDOR Bioscience GmbH, Wangen (FMP,MTSW)
CANKADO Service GmbH, Kirchheim b. M. (BVMed)
CANZLER & BERGMEIER Patentanwälte - Partnerschaft mbB, Ingolstadt (FMP)
Carbopress Deutschland GmbH, Eschborn (MM)
Cardinal Health Germany 507 GmbH, Norderstedt (BVMed)
CardioFocus Inc., Bad Tölz (BVMed)
Cardionovum GmbH, Bonn (BVMed)
Carl Benzinger GmbH, Pforzheim (VDMA)
Carl Haas GmbH, Schramberg (MM)
Carl Martin GmbH, Solingen (SPECTARIS)
Carl Zeiss IMT GmbH, Aalen (MTSW)
Carl Zeiss Meditec AG, Jena (SPECTARIS)
Carl Zeiss Meditec Vertriebsgesellschaft mbH, Berlin (BVMed)
Carl Zeiss MES Solution GmbH, Ulm (VDMA)
Carlsquare GmbH, München (MV)
Casiquiare Capital Holding, Erlangen (MV)
CAT PRODUCTION GmbH, München (FMP)
Catgut GmbH, Markneukirchen (BVMed)
Cato SMS GmbH, Köln (LSN)
CCS-Consulting, Schwabach (MV)
CEATEC Medizintechnik GmbH, Wurmlingen (MM)
CEGLA Medizintechnik GmbH & Co. KG, Montabaur (BVMed)
CellmatiQ GmbH, Hamburg (LSN)
CEMEC intelligente Mechanik GmbH, Spalt (MV)
Centinel Spine GmbH, Laichingen (BVMed)
Centronic GmbH, Wartenberg (FMP)
CeramTec GmbH, Plochingen (BVMed)
CERES GmbH evaluation & research, Lörrach (FMP)
Cerus Europe B.V., Karlsruhe (BVMed)
CEyoo GmbH, Mannheim (FMP,MV)
CfRC – Consulting for regulatory affairs compliance, Lübeck (LSN)
Chemgineering Germany GmbH, Hamburg (LSN)
Chemische Fabrik Dr. Weigert GmbH & Co. KG, Hamburg (LSN)
Chemische Fabrik Kreussler & Co. GmbH, Wiesbaden (BVMed)
Cherry Digital Health GmbH (früher Active Key GmbH), Pegnitz (MV)
Chimaera GmbH, Erlangen (MV)
CHIRON Group SE, Tuttlingen (VDMA)
Chr. Diener GmbH & Co. KG, Tuttlingen (MM)
Chr. Mayr GmbH + Co. KG, Mauerstetten (VDMA)
Christian Dunkel GmbH Werkzeugbau, Berlin (VDMA)
Christoph Miethke GmbH & Co. KG, Potsdam (SPECTARIS)
Cicor Electronic Solutions Swisstronics Contract Manufacturing AG, Bronschhofen (FMP)
Cicor Management AG, Bronschhofen
Cicor RHe Microsystems GmbH, Radeberg (IVAM)
CiNNAMED GmbH, Erlangen (MV)
CINOGY GmbH, Duderstadt (BVMed)

CiS Forschungsinstitut für Mikrosensorik GmbH, Erfurt (IVAM)
Citizen Machinery Europe GmbH, Esslingen (VDMA)
clean4med Gmbh, Konstanz (MM)
CleanControlling Medical GmbH & Co. KG, Emmingen-Liptingen (MM)
Climedo Health GmbH, München (FMP)
Clinaris GmbH, Garching bei München (FMP)
CMS Hasche Sigle, Hamburg (LSN)
CMS Hasche Sigle Partnerschaft von Rechtsanwälten und Steuerberatern mbB, München (FMP)
Co-med GmbH & Co. KG, Wetzlar (BVMed)
Cochlear Deutschland GmbH & Co. KG, Hannover (BVMed)
CODAN Medizinische Geräte GmbH & Co. KG, Lensahn (LSN)
CODAN pvb Critical Care GmbH, Forstinning (FMP)
CodeCamp:N GmbH, Nürnberg (MV)
CogniMed GmbH, Reinfeld (LSN)
cognitas. Gesellschaft für Technik-Dokumentation mbH, Ottobrunn (VDMA)
Coherent Kaiserslautern GmbH, Kaiserslautern (IVAM)
Coherent Munich GmbH & Co. KG, Gilching (VDMA)
COI GmbH - Consulting für Office und Information Management GmbH, Erlangen (MV)
COLANDIS GmbH, Kahla (VDMA)
COLLIN Lab & Pilot Solutions GmbH, Maitenbeth (FMP)
Coloplast GmbH, Hamburg (BVMed)
Coltène/Whaledent GmbH + Co. KG, Langenau (BVMed)
Comcotec Messtechnik GmbH, Unterschleißheim (FMP)
Comelec SA, La Chaux-de-Fonds (CH) (MTSW)
Compugraphics Jena GmbH, Jena (IVAM)
Compumedics Germany GmbH, Singen (MM)
Concenter e.K., Hamburg (FMP)
Concept Laser GmbH, Lichtenfels (VDMA)
Condor GmbH, Salzkotten (SPECTARIS)
confovis GmbH, Jena (IVAM)
Conntec GmbH, Baiersdorf (MV)
conpega - Christina Kruse, Hamburg (LSN)
CONTACT Software GmbH, Bremen (LSN, VDMA)
Continental Surface Solutions, Freiburg (MTSW)
ConvaTec (Germany) GmbH, München (BVMed)
CONZE Informatik GmbH, Siegen (FMP)
COOK Deutschland GmbH, Mönchengladbach (BVMed)
COPT Zentrum Köln, Köln (IVAM)
Corcym Deutschland GmbH, München (BVMed)
Corin GSA GmbH, Saarbrücken (BVMed)
Corscience GmbH & Co. KG, Erlangen (MV)
CorTec GmbH, Freiburg (FMP, IVAM, MTSW)
Cowa-Service Felix Conrady Gebäudereinigungsgesellschaft mbH & Co.KG, Gottmadingen (MM)
CRConsultants GmbH & Co. KG, Lübeck (LSN)
Creative Balloons GmbH, Waghäusel (BVMed)
Creative Instruments GmbH, Schörghof (FMP)
CSA Group, Frankfurt am Main (MM)
CTC advanced GmbH, Saarbrücken (VDMA)
curasan AG, Kleinostheim (BVMed)
curea medical GmbH, Berlingerode (BVMed)
Curefab Technologies GmbH, München (FMP)
cureVision GmbH, München (MV)
Cytox Biologische Sicherheitsprüfungen, Bayreuth (FMP)

D

D-Process, Rendsburg (LSN)
Das Trainingszentrum UG, Beratzhausen (FMP)
Data Respons Solutions GmbH, Erlangen (MV)
DataPhysics Instruments GmbH, Filderstadt (MTSW)
DATRON AG, Mühltal (VDMA)
DBK EMS GmbH & Co. KG, Rülzheim (MM)
decema GmbH, Singen (MM)
DECKEL MAHO Pfronten GmbH, Pfronten (VDMA)
DECKEL MAHO Seebach GmbH, Seebach (VDMA)
DEHAS Medizintechnik & Projektierung GmbH, Lübeck (LSN)
DEKOM Engineering GmbH, Hamburg (LSN)
delbramed GmbH, Frittlingen (MM)
Delta Cygni Labs GmbH, Hamburg (VDMA)
Dentavenir GmbH & Co. KG, Nürnberg (MV)
Denteon MedTec Business Consulting, Bad Windsheim (FMP)
Dept. Chirurgie der Universität Basel, Basel (FMP)
designaffairs GmbH, Erlangen (FMP)
Deutsche Apotheker- und Ärztebank eG, Hamburg (LSN)
Deutsche Institute für Textil- und Faserforschung Denkendorf (DITF), Denkendorf (FMP)
Deutsche Stiftung für chronisch Kranke, Fürth (FMP)
Deutsches Elektronen Synchrotron (DESY), Hamburg (LSN)
Deutsches Telemedizin Zentrum e.V., Nürnberg (MV)
Deutsches Zentrum für Luft- und Raumfahrt e.V., Oberpfaffenhofen-Weßling (FMP)
DeVilbiss Healthcare GmbH, Mannheim (SPECTARIS)
DEWE+CO Verbandstoff-Fabrik Dr. Wüsthoff GmbH & Co., Wermelskirchen (BVMed)
DEWIMED Medizintechnik GmbH, Tuttlingen (MM)
Dexcom Deutschland GmbH, Mainz (BVMed)
Diakoneo KdöR, Neuendettelsau (MV)
Diamed Medizintechnik GmbH, Köln (BVMed)
DIASHOP GmbH, Germering (BVMed)
DiBe Consulting, Erding (FMP)
Diener Implants GmbH, Tuttlingen (MM)
digiraster GmbH & Co. KG, Stuttgart (MTSW)
DITABIS AG, Pforzheim (SPECTARIS)
DITABIS Digital Biomedical Imaging Systems AG, Garching bei München (FMP)
DITF (Deutsche Institute für Textil- und Faserforschung), Denkendorf (MTSW, VDMA)
DITTEL Engineering GmbH, Schlehdorf (FMP)
DMB-Apparatebau GmbH, Wörrstadt (SPECTARIS)
DMG Dental-Material Gesellschaft mbH, Hamburg (LSN)
DMG MORI AG, Bielefeld (VDMA)
DMG MORI Ultrasonic Lasertec GmbH, Stipshausen (VDMA)
DOCERAM GmbH, Dortmund (VDMA)
DOCERAM Medical Ceramics GmbH, Dortmund (SPECTARIS)
DOCUFY GmbH, Bamberg (VDMA)
DOREY SA, F-Chatillon St-Jean (VDMA)
Dornier MedTech Laser GmbH, Weßling (SPECTARIS)
dp dreher partners gmbh & Co. KG, Tuttlingen (MM)
DQS Medizinprodukte GmbH, Frankfurt am Main (FMP)
Dr. Ausbüttel & Co. GmbH, Dortmund (BVMed)
Dr. Fritz Faulhaber GmbH & Co. KG, Schönaich (MM)
Dr. Gassner & Partner mbB Patentanwälte, Erlangen (MV)
Dr. Hans-Joachim Lau – Beratung, Norderstedt (LSN)
Dr. Heinrich Schneider Messtechnik GmbH, Bad Kreuznach (VDMA)

Dr. Hönle Medizintechnik GmbH, Gilching (FMP)
DR. JOHANNES HEIDENHAIN GmbH, Traunreut (VDMA)
Dr. K. Hönle Medizintechnik GmbH, Gilching (SPECTARIS)
Dr. Mach GmbH + Co., Ebersberg (SPECTARIS)
Dr. Michael Schoppol, Bremen (MM)
Dr. Pfleger Arzneimittel GmbH, Bamberg (FMP)
Dr. Walter Language Services, Bremen (LSN)
Dr. Weichert - Life Sciences Consulting, Norderstedt (LSN)
Dr. Wilfried Müller GmbH, Prittriching (FMP)
Drägerwerk AG & Co. KGaA, Lübeck (SPECTARIS)
Drees & Sommer SE, Hamburg (LSN)
DREIGEIST GbR, Nürnberg (MV)
Dres. König & Consultants GbR, Hamburg (LSN)
DRG-Control e. K., Forchheim (MV)
DRG-Control e.K., Gräfenberg (FMP)
DSN - Connecting Knowledge, Kiel (LSN)
DTB Gesellschaft für digitale Therapiebegleitung mbH, Jena (BVMed)
DTZ Dialyse Trainings-Zentren GmbH, Nürnberg (FMP)

E

e.Bavarian Health GmbH, Erlangen (MV)
eagleyard Photonics GmbH, Berlin (IVAM)
EARLIEBIRDIE, Kolbermoor (FMP)
Earlybird Health Management GmbH & Co. KG, Berlin (FMP)
ebm-papst Mulfingen GmbH & Co. KG, Mulfingen (VDMA)
ebm-papst St. Georgen GmbH & Co. KG, St. Georgen (MM, VDMA)
Ebnet Medical GmbH, Schwerin (IVAM)
EBO Kunze Industriedesign - Chandler Loop System Neuffen, Neuffen (MM)
ECE Training GmbH, Erlangen (MV)
Eckelmann AG, Wiesbaden (VDMA)
Eckert & Ziegler BEBIG GmbH, Berlin (BVMed)
Ecolab Deutschland GmbH, Monheim am Rhein (BVMed)
ECOS Technology GmbH, Oppenheim (VDMA)
Edmonton Economic Developement Corporation, Edmonton (CN) (FMP)
Edwards Lifesciences Services GmbH, Unterschleißheim (BVMed, FMP)
efficiency systems, Überlingen (VDMA)
Efforma Concepts GmbH & Co. KG, Nürnberg (FMP)
Ehrfeld Mikrotechnik GmbH, Wendelsheim (IVAM)
EISELE GMBH, Waiblingen (VDMA)
Eisenhuth GmbH & Co.KG, Osterode (VDMA)
Ekso Bionics Europe GmbH, Hamburg (LSN)
Elbpatent | IP for Life®, Hamburg (LSN)
elbPV Dr. Ilona Schonn, Lüneburg (LSN)
Elco Industrie Automation GmbH, Oberstenfeld (MTSW)
elektron Systeme und Komponenten GmbH & Co. KG, Weißenohe (MV)
Element 22 GmbH, Kiel (LSN)
elero GmbH Lineartechnik, Pößneck (VDMA)
Elma Electronic AG, Wetzikon (CH) (FMP)
ELMOS Semiconductor SE, Dortmund (IVAM)
elobau GmbH & Co. KG, Leutkirch (VDMA)
ElringKlinger Kunststofftechnik GmbH, Bietigheim-Bissingen (BVMed)
Elschner Consulting, Weil am Rhein (FMP)
ELTRO Gesellschaft für Elektrotechnik mbH, Baesweiler (VDMA)
em-tec GmbH, Finning (FMP)
embeX GmbH, Freiburg (MM, MTSW)
EMIS-Medical GmbH, München (FMP)
emka MEDICAL GmbH, Aschaffenburg (FMP)
EMOS Technology GmbH, Illmensee (MM)
EMPA - Swiss Federal Laboratories for Materials Science and Technology, St. Gallen (FMP)
en.co.tec Schmid KG, Wien (FMP)
Endoaccess GmbH, Garbsen (FMP)
Endosmart® Gesellschaft für Medizintechnik mbH, Stutensee (MM)
Endress+Hauser Services AG, Reinach BL1 (CH) (MTSW)
ENGEL AUSTRIA GmbH, Schwertberg (Österreich) (VDMA)
ENTRANCE Robotics GmbH, Wuppertal (IVAM)
EnviroFALK GmbH Prozesswasser-Technik, Westerburg (VDMA)
ENY-Mobility GmbH, Erlangen (MV)
EP-Electronic Print GmbH, München (VDMA)
EPflex Feinwerktechnik GmbH, Dettingen (MM)
Epista Life Science Deutschland GmbH, Villingen-Schwenningen (MM)
Eppendorf SE, Hamburg (LSN, SPECTARIS)
ePrax GmbH, München (FMP)
Erbe Elektromedizin GmbH, Tübingen (MM)
Erdmann Design AG, Brugg (CH) (MM)
Ergo-Tec GmbH, Wilhelmsdorf (MV)
Erka Kallmeyer, Bad Tölz (SPECTARIS)
ERMAFA Sondermaschinen und Anlagenbau GmbH, Chemnitz (VDMA)
ERMIS MedTech GmbH, Tuttlingen (MM)
Ernst Krauskopf - Fabrik für chirurgische und zahnärztliche Instrumente, Solingen (SPECTARIS)
Eschenbach Optik GmbH, Nürnberg (SPECTARIS)
Eschweiler GmbH & Co. KG, Kiel (LSN)
EsCo Orthopädie-Service GmbH, Remscheid (SPECTARIS)
eSourceONE GmbH, Bamberg (MV)
ess Mikromechanik GmbH, Stockach (MTSW)
Essilor GmbH, Braunschweig (SPECTARIS)
Essity Germany GmbH, Mannheim (BVMed)
ETA Kunststofftechnologie GmbH, Troisdorf (VDMA)
ETO MAGNETIC GmbH, Stockach (VDMA)
eucatech AG, Weil am Rhein (FMP)
EurA AG, Hamburg (LSN)
Eurixa Healthcare GmbH, Hamburg (LSN)
Eurofins BioPharma Product Testing Munich GmbH, Planegg (FMP)
Euromed Implants GmbH, Stade (LSN)
Eurotape B.V., Soest (BVMed)
evita.med GmbH, Gummersbach (BVMed)
EVO GmbH, Oberschleißheim (FMP)
evonos GmbH & Co. KG, Tuttlingen (MM)
Evosys Laser GmbH, Erlangen (FMP,MV)
EWELLIX GmbH, Schweinfurt (VDMA)
ewimed GmbH, Hechingen-Boll (BVMed)
excagol medtech UG, Hamburg (LSN)
Excelya Germany GmbH, Freiburg (MM)
EXCO GmbH, Frankenthal (FMP)
Exevia GmbH, Nürnberg (MV)
Expert Systemtechnik GmbH, Bielefeld (VDMA)
Extheria GmbH, Freiburg (MTSW)

F

F. & M. Lautenschläger GmbH & Co. KG, Köln (SPECTARIS)
F. REYHER Nchfg. GmbH & Co. KG, Hamburg (VDMA)
F&F Lasertechnik GmbH, Neustadt (LSN)
F&W Frey & Winkler GmbH, Königsbach-Stein (MM)

Fachakademie für Medizintechnik, Ansbach (FMP)
Fachhochschule Aachen, Jülich (IVAM)
Falken Apotheke, Erlangen (MV)
FANUC Deutschland GmbH, Neuhausen (VDMA)
FAQ Consulting GmbH, Langenfeld (FMP)
Farmavita Regulanet d.o.o, Samobor (CRO) (FMP)
FarStar medical GmbH, Barsbüttel / Hamburg (BVMed)
FCMD GmbH, Hattingen (VDMA)
FEG Textiltechnik Forschungs- und Entwicklungsgesellschaft mbH, Aachen (BVMed)
Feinmetall GmbH, Herrenberg (MTSW)
Ferdinand Menrad GmbH +Co. KG, Schwäbisch Gmünd (SPECTARIS)
Ferromatik Milacron GmbH, Malterdingen (VDMA)
Festo SE & Co. KG, Esslingen (MTSW,VDMA)
Fetzer Medical GmbH & Co. KG, Tuttlingen (MM)
FGK Clinical Research GmbH, München
ficonTEC Service GmbH, Achim (VDMA)
Fidia Pharma GmbH, Monheim (BVMed)
FILK Freiberg Insitute gGmbH, Freiberg (FMP)
FINK NUMRICH Patentanwälte PartmbB, München (MV)
Fisher & Paykel Healthcare GmbH, Schorndorf (SPECTARIS)
FIXTEST Prüfmittelbau GmbH (VDMA)
FKT Formenbau + Kunststofftechnik GmbH, Triptis (VDMA)
Fleuchaus & Gallo Partnerschaft mbB, München (FMP)
FLG Automation AG, Karben (VDMA)
FLO Medizintechnik GmbH, Melle (SPECTARIS)
Fluoron GmbH, Ulm (FMP)
FMB Care GmbH, Salzkotten (SPECTARIS)
For Life - Produktions- und Vertriebsgesellschaft für Heil- und Hilfsmittel mbH, Berlin (BVMed)
for your eHealth GmbH, Weiden (MV)
FORÉCREU Deutschland GmbH, Troisdorf (VDMA)
Forum Angewandte Informatik und Mikrosystemtechnik e.V. (FAIM), Freiburg (MTSW)
FRAMOS GmbH, Pullach (VDMA)
Franz Kalff GmbH, Euskirchen (BVMed)
Fraunhofer EMI, Freiburg (MTSW)
Fraunhofer IAO, Stuttgart (VDMA)
Fraunhofer IIS, Erlangen (MV)
Fraunhofer IKS, München (VDMA)
Fraunhofer IKTS, Dresden (MTSW,VDMA)
Fraunhofer IMM, Mainz (MTSW)
Fraunhofer IMWS - Institut für Mikrostruktur von Systemen und Materialien, Halle (FMP)
Fraunhofer IPA, Stuttgart (MTSW)
Fraunhofer IPM, Freiburg (MTSW)
Fraunhofer IPMS, Erfurt (MTSW)
Fraunhofer ISE, Freiburg (MTSW)
Fraunhofer ISIT, Itzehoe (VDMA)
Fraunhofer IVV, Dresden (VDMA)
Fraunhofer IWM, Freiburg (MTSW)
Fraunhofer-Einrichtung für Individualisierte und Zellbasierte Medizintechnik IMTE, Lübeck (LSN)
Fraunhofer-Einrichtung für Mikrosysteme und Festkörper-Technologien EMFT, München (FMP)
Fraunhofer-Institut für Digitale Medizin MEVIS, Lübeck (LSN)
Fraunhofer-Institut für Elektronische Nanosysteme ENAS, Chemnitz (IVAM)
Fraunhofer-Institut für Elektronische Nanosysteme ENAS, Paderborn (IVAM)
Fraunhofer-Institut für Fertigungstechnik und Angewandte Materialforschung IFAM, Bremen (IVAM, LSN)
Fraunhofer-Institut für Grenzflächen- und Bioverfahrenstechnik IGB, Stuttgart (FMP)
Fraunhofer-Institut für Lasertechnik ILT, Aachen (IVAM,SPECTARIS)
Fraunhofer-Institut für Mikroelektronische Schaltungen und Systeme IMS, Duisburg (IVAM)
Fraunhofer-Institut für Mikrotechnik und Mikrosysteme IMM , Mainz (IVAM)
Fraunhofer-Institut für Organische Elektronik, Elektronenstrahl- und Plasmatechnik FEP, Dresden (FMP, IVAM)
Fraunhofer-Institut für Photonische Mikrosysteme IPMS, Dresden (IVAM)
Fraunhofer-Institut für Siliziumtechnologie ISIT, Itzehoe (IVAM, LSN)
Fraunhofer-Institut für Zuverlässigkeit und Mikrointegration IZM, Berlin (IVAM)
Fraunhofer-Institut für Integrierte Schaltungen IIS, Erlangen (FMP)
Fraunhofer-Institut für Silicatforschung ISC, Würzburg (FMP)
Fraunhofer-Institut für Mikrotechnik und Mikrosysteme IMM, Mainz (FMP)
Fraunhofer-Zentrum für Angewandte Nanotechnologie CAN, Hamburg (LSN)
Freiburg Wirtschaft Touristik und Messe GmbH & Co. KG, Freiburg (MTSW)
FRESENIUS SE & Co. KGaA, Bad Homburg (BVMed)
Freudenberg FST GmbH, Weinheim (VDMA)
Freudenberg Medical Europe GmbH, Kaiserslautern (BVMed)
Friedrich Alexander Universität Dekanat Medizinische Fakultät, Erlangen (MV)
Friedrich Alexander Universität, Erlangen (MV)
Friedrich-Alexander-Universität Erlangen-Nürnberg, Erlangen (FMP)
Friedrich-Alexander-Universität Erlangen-Nürnberg Lehrstuhl für BWL, insbes. Gesundheitsmanagement, Nürnberg (FMP)
Friedrich-Alexander-Universität Erlangen-Nürnberg Lehrstuhl für Medizinische Informatik, Erlangen (FMP)
Friedrich-Alexander-Universität Erlangen-Nürnberg Lehrstuhl für Strömungsmechanik, Erlangen (FMP)
Friedrich-Alexander-Universität Erlangen-Nürnberg. Lehrstuhl für Technische Elektronik, Erlangen (FMP)
Friedrich-Alexander-Universität Erlangen-Nürnberg Lehrstuhl für Werkstoffwissenschaften Werkstoffsimulation, Erlangen (FMP)
Friedrich-Alexander-Universität Erlangen-Nürnberg LS f. Fertigungsautomatisierung und Produktionssystematik, Erlangen (FMP)
Friedrich-Alexander-Universität Erlangen-Nürnberg - FAU LS für Photonische Technologien (LPT), Erlangen (FMP)
Frimed Medizintechnik GmbH, Tuttlingen (MM)
Fritz Stephan GmbH, Gackenbach (SPECTARIS)
FRIWO Gerätebau GmbH, Ostbevern
FRIZ Biochem GmbH, Neuried (FMP)
FRT GmbH, Bergisch Gladbach (IVAM)
fruitcore robotics GmbH, Konstanz (VDMA)
FSQ Functional Safety & Quality Experts GmbH, München (MV)
FSR.Consulting Unternehmensberatung GmbH, Erlangen (MV)
FUCHS SCHMIERSTOFFE GmbH, Mannheim (VDMA)
Fuhrmann GmbH, Much (BVMed)
Fumedica Medizintechnik GmbH, Balingen (BVMed)
Funke Engineering GmbH, Umkirch (MTSW)
Funke Medical GmbH, Raesfeld (BVMed)
FUSE-AI GmbH, Hamburg (LSN)
FZI - Forschungszentrum Informatik, Karlsruhe (FMP, MTSW)

G

G-SURG GmbH, Seeon (FMP)
G. Heinemann Medizintechnik GmbH, Kaltenkirchen (LSN)
Galifa Contactlinsen AG, St. Gallen (SPECTARIS)
Galilei Software GmbH, Bad Tölz (FMP)
GAMMAWAY-Consult GmbH, Hamburg (LSN)
Garz & Fricke GmbH, Hamburg (LSN)
GATTAquant GmbH, Gräfelfing (FMP)
GAUDLITZ GmbH, Coburg (FMP)
GBN Systems GmbH, Buch am Buchrain (FMP,MV)
GE Healthcare GmbH, Solingen (BVMed, FMP)
Gebr. Becker GmbH, Wuppertal (VDMA)
Gebr. Heller Maschinenfabrik GmbH, Nürtingen (VDMA)
Gebr. Tigges GmbH & Co. KG, Oelde (VDMA)
Gebrüder Eberhard GmbH & Co. KG Werkzeugtechnologie, Nordheim (VDMA)
GEFAZ mbH, Forchheim (MV)
GEMÜ Gebrüder Müller Apparatebau GmbH & Co. KG, Niedernhall-Waldzimmern (MTSW)
General Electric Deutschland Holding GmbH, Frankfurt am Main (VDMA)
Georg Alber GmbH & Co. KG, Renquishausen (MM)
GEORGII KOBOLD GmbH & Co. KG, Horb (FMP)
Gerhard Schubert GmbH, Crailsheim (VDMA)
GerroMed Pflege- und Medizintechnik GmbH, Hamburg (BVMed)
Gesinform GmbH, Freiburg (FMP)
Gesundheitsnetz Qualität und Effizienz eG, Nürnberg (MV)
GETEMED Medizin- und Informationstechnik AG, Teltow (SPECTARIS)
GEUDER AG, Heidelberg (FMP)
Geuder Aktiengesellschaft, Heidelberg (MM)
GF Machining Solutions GmbH, Schorndorf (MM)
GFH GmbH, Deggendorf (IVAM)
GFM Spezialmaschinenbau GmbH, Haltern am See (VDMA)
GHD GesundHeits GmbH Deutschland, Ahrensburg (BVMed)
Gimmi GmbH, Tuttlingen (MM,SPECTARIS)
GKM Gesellschaft für Therapieforschung mbH, München (FMP)
Gläser GmbH, Horb (VDMA)
GLAUKOS Germany GmbH, Wiesbaden (BVMed)
Globus Medical Germany GmbH, Düsseldorf (BVMed)
GMA Gesellschaft für medizinische Ausbildung, Erlangen (MV)
GNA Biosolutions GmbH, Martinsried (FMP)
GoGaS Goch GmbH & Co. KG, Dortmund (FMP)
Gossen Metrawatt GmbH, Nürnberg (VDMA)
Goth und Partner, Stadtbergen (FMP)
Greiner GmbH, Pleidelsheim (SPECTARIS)
Grey Innovation Group Pty Ltd, Richmond (AUS) (FMP)
GROB-WERKE GmbH & Co. KG, Mindelheim (VDMA, MM)
GRONBACH Inventive Sales&Maketing GmbH & Co. KG, Niederndorf (A) (MV)
Grossenbacher Systeme AG, St. Gallen (FMP)
GRT GmbH & Co. KG, Hamm (IVAM)
GRW Gebr. Reinfurt GmbH & Co. KG, Rimpar (VDMA)
GS1 Germany GmbH, Köln (VDMA)
GSB-Wahl GmbH, Aichwald (MTSW)
GTI medicare GmbH, Hattingen (SPECTARIS)
Gühring KG, Albstadt (VDMA, MM)
Günter Bissinger Medizintechnik GmbH, Teningen (MM)
GVS-Großverbraucherspezialisten eG, Friedewald (BVMed)
GWQ Service Plus AG, Düsseldorf (MV)

H

H. + H. Maslanka Chirurgische Instrumente GmbH, Tuttlingen (MM, FMP)
HAAG-STREIT SURGICAL GmbH & Co, Wedel (LSN)
Haag-Streit Surgical GmbH & Co. KG, Wedel (SPECTARIS)
HAAS Schleifmaschinen GmbH, Trossingen (VDMA)
HÄCKER Automation GmbH, Waltershausen (IVAM)
HAEMONETICS GmbH, München (BVMed)
Hahn Automation Süd GmbH, Villingen-Schwenningen (VDMA, MM)
Hahn-Schickard-Gesellschaft für angewandte Forschung e.V. , Villingen-Schwenningen (IVAM, MTSW, FMP)
HAILTEC GmbH, Hohenstein (MM)
Haimer GmbH, Igenhausen (VDMA)
HAINBUCH GmbH, Marbach (VDMA)
HAKOS Präzisionswerkzeuge Hakenjos GmbH, Freiburg (VDMA)
HÄLSA Pharma GmbH, Lübeck (LSN, SPECTARIS)
Hamamatsu Photonics Deutschland GmbH, Herrsching (SPECTARIS)
Hamburgische Investitions- und Förderbank, Hamburg (LSN)
HAMMANN GmbH, Annweiler am Trifels (FMP)
hannoverimpuls GmbH Branchenentwicklung und Internationalisierung, Hannover (FMP)
HANS HEPP GmbH & Co. KG, Hamburg (BVMed)
Hans Müller HMP Medizintechnik GmbH, Nürnberg (MV, SPECTARIS)
Hanse Innovation Campus GmbH, Lübeck (LSN)
Harmonic Drive SE, Limburg (FMP, VDMA)
Hartmetall-Werkzeugfabrik Paul Horn GmbH , Tübingen (VDMA)
HAW Hochschule für Angewandte Wissenschaften Hamburg, Hamburg (LSN)
HAWE Altenstadt Holding GmbH, Altenstadt (VDMA)
HAWE Micro Fluid GmbH, Barbing (VDMA)
HAWK Hochschule für angewandte Wissenschaft und Kunst , Hildesheim (VDMA)
HB Technologies AG, Tübingen (FMP)
HBSN health business services network AG, Hornburg (FMP)
HDI Global SE, München (FMP)
HE System Electronic GmbH, Veitsbronn (FMP)
HealthCapital - Cluster Healthcare Industries Berlin-Brandenburg, Berlin
Healthcare Denmark, Odense (DK) (FMP)
Heberlein AG, Wattwil (CH) (MM)
HEBUmedical GmbH, Tuttlingen (MM)
Heidelberg Engineering GmbH, Heidelberg (SPECTARIS)
Heidelberg Instruments Mikrotechnik GmbH, Heidelberg (MTSW)
HEIKO WILD GmbH, Tuttlingen (MM)
Hein & Oetting Feinwerktechnik GmbH, Hamburg (LSN, VDMA)
HEINE Optotechnik GmbH & Co. KG, Gilching (SPECTARIS)
Heinen Automation GmbH & Co. KG, Monschau (VDMA)
Heinrich Ziegler GmbH, Forchheim (MV)
Heinrich-Heine-Universität Düsseldorf, Düsseldorf (IVAM)
Heinz Herenz Medizinalbedarf GmbH, Hamburg (LSN)
Heinz Kurz GmbH, Dußlingen (MM)
HeiQ RAS AG, Regensburg (FMP)
HEITEC AG, Erlangen (VDMA)
HEITEC PTS GmbH, Kuchen (VDMA)
HEKUMA GmbH, Eching (VDMA)
Helbling Technik GmbH, München (FMP)
Held+Team Partnerschaftsgesellschaft, Hamburg (LSN)
Helmholtz Zentrum München Deutsches Forschungszentrum für Gesundheit und Umwelt GmbH, Neuherberg (FMP)
Helmholtz-Zentrum hereon GmbH, Geesthacht (LSN)

HELMUT ZEPF MEDIZINTECHNIK GmbH, Seitingen-Oberflacht (MM)
Helvoet (Tilburg) B.V., TA Tilburg (FMP)
Hemovent GmbH, Aachen (SPECTARIS)
Henke-Sass, Wolf GmbH, Tuttlingen (MM)
Henkel Beiz & Elektropoliertechnik GmbH & Co. KG, Neustadt-Glewe (FMP)
Henkel Beiz- & Elektropoliertechnik GmbH & Co. KG , Neustadt-Glewe (VDMA)
Henn Industrial Group GmbH, Dombirn (VDMA)
Hennig Agentur für Kommunikation GmbH, Nürnberg (MV)
HENRY SCHEIN MEDICAL GmbH, Berlin (BVMed)
Hepako GmbH, Raisting (VDMA)
Heraeus Amloy Technologies GmbH, Karlstein am Main
Heraeus Medical GmbH, Wehrheim (BVMed)
Herbert Rehn GmbH, Hamburg (LSN)
Hermann Bock GmbH, Verl (SPECTARIS)
Heute + Comp. GmbH & Co. KG, Radevormwald (MM)
Hexagon DEU02 GmbH, Wetzlar (VDMA)
Hexagon Metrology GmbH, Wetzlar (VDMA)
HEYER Medical AG, Bad Ems (SPECTARIS)
Hill-Rom GmbH, Essen (SPECTARIS)
HIMA Paul Hildebrandt GmbH, Brühl (VDMA)
Hittech Prontor GmbH, Bad Wildbad (SPECTARIS)
hjm-technic, Ottersweier (IVAM, MM)
HMG Systems Engineering GmbH, Fürth (FMP,MV)
HMT Medizintechnik GmbH, Maisach (BVMed)
HNP Mikrosysteme GmbH, Schwerin (IVAM)
Hobe GmbH, Baienfurt (VDMA)
Hochschule Ansbach Fakultät Biomedizinische Technik, Ansbach (FMP)
Hochschule Esslingen, Göppingen (MTSW)
Hochschule für angewandte Wissenschaften Coburg Institut für Sensor- und Aktortechnik (ISAT), Coburg (FMP)
Hochschule für angewandte Wissenschaften Landshut Fakultät für Elektrotechnik und Wirtschaftsingenieurwesen, Landshut (FMP)
Hochschule Furtwangen Kompetenzzentrum für spanende Fertigung, Villingen-Schwenningen (VDMA)
Hochschule Furtwangen, Furtwangen (MTSW)
Hochschule Niederrhein, Krefeld (IVAM, MTSW)
Hochschule Offenburg, Offenburg (MTSW)
Hochschule Würzburg-Schweinfurt Institut Rettungswesen, Notfall- und Katastrophenmanagement, Nürnberg (FMP)
Hoefer & Sohn GmbH, Fürth (FMP)
HOERATH GmbH, Erlangen (MV)
Höfelmeyer Waagen GmbH, Georgsmarienhütte (VDMA)
Hofer GmbH & Co. KG, Fürstenfeld (A) (MV)
Hoffrichter Medizintechnik GmbH, Schwerin (SPECTARIS)
Hofmann GmbH, Gräfenberg (MV)
Hollister Incorporated Niederlassung Deutschland, München (BVMed)
Holthaus Medical GmbH & Co. KG, Remscheid (BVMed)
HOMANN-MEDICAL GmbH u. Co. KG, Stolzenau (BVMed)
Hörkonzepte Vertriebs GmbH & Co. KG, Marl (BVMed)
HÖRMANN-RAWEMA Engineering & Consulting GmbH, Chemnitz (VDMA)
Horst Scholz GmbH & Co.KG, Kronach (FMP)
Hospital Engineering GmbH, Hamburg (LSN)
Hospiz-Akademie gGmbH, Bamberg (MV)
Hot Screen GmbH, Reutlingen (FMP)
Hottinger Brüel & Kjaer GmbH, Darmstadt (VDMA)
HOYA Surgical Optics GmbH, Frankfurt/Main (BVMed)
HP Medizintechnik GmbH, Oberschleißheim (FMP,SPECTARIS)
HTI bio-X GmbH, Ebersberg (FMP)
Hu-Friedy Mfg.Co.,LLC., Tuttlingen (SPECTARIS)
HUBER + SUHNER GmbH, Taufkirchen (FMP)
Hubert Stüken GmbH & Co. KG, Rinteln (FMP)
Huf Tools GmbH Velbert, Velbert (VDMA)
Hugo Beck Maschinenbau GmbH & Co. KG, Dettingen/Erms (VDMA)
Hüller Hille GmbH, Mosbach (VDMA)
Hülsenbeck Hoss GmbH, Hamburg (LSN)
Huma Therapeutics GmbH, Hamburg (LSN)
HumanOptics Holding AG, Erlangen (MV)
HWI regulatory services GmbH, Planegg/Martinsried (FMP)

I

I-Motion GmbH, Fürth (FMP)
i2medi GmbH, Berlin (FMP)
i3 Membrane GmbH, Hamburg (LSN)
iATROS GmbH, München (FMP,MV)
IC information company GmbH, Freiburg (MTSW)
ICterra GmbH, München (MV)
iDAE MedTech Co., Ltd., BEIJING, CHINA (MV)
IEF-Werner GmbH, Furtwangen (VDMA)
Iftest AG, Wettingen (FMP)
IFU Institut für Unternehmensforschung OR GmbH, Nürnberg (FMP)
IGZ Würzburg, Würzburg (FMP)
IHK Karlsruhe, Karlsruhe (MTSW)
IHK Nürnberg für Mittelfranken, Nürnberg (MV)
IHK Schwarzwald-Baar-Heuberg, Villingen-Schwenningen (MTSW)
IHK Südlicher Oberrhein, Freiburg (MTSW)
ILC GmbH, Bexbach (VDMA)
Ilg Medizintechnik GmbH, Durchhausen (MM)
imbus AG, Möhrendorf (MV)
iMEDgine GmbH, Lichtenfels (FMP)
implantcast GmbH, Buxtehude (BVMed)
Impulse Dynamics Germany GmbH, Frankfurt am Main (BVMed)
IMS CHIPS, Stuttgart (MTSW)
IMSTec GmbH, Klein-Winternheim (VDMA)
IMTEK Institut für Mikrosystemtechnik, Freiburg (IVAM)
Indeed Innovation GmbH, Hamburg (LSN)
INDEX-Werke GmbH & Co. KG, Esslingen (VDMA)
Indo-MIM, Stuttgart (MM)
INDUS Holding AG, Bergisch Gladbach (VDMA)
Industrieverband Schneid- und Haushaltswaren e.V., Solingen (SPECTARIS)
INEXCEL CCO UG, Fürth (FMP)
Infors GmbH Deutschland, Stuttgart (SPECTARIS)
infoteam Software AG, Bubenreuth (FMP,MV)
infoteam Software Gruppe, Bubenreuth (SPECTARIS)
InfraFon GmbH, Freiburg (MTSW)
ING-LINK Ing.-Büro, Brühl (MTSW)
Ing.-Büro Egon Frank, Theres (FMP)
Ingenieurbüro Rodriguez , Mannheim (MV)
Initiative Bildverarbeitung e.V., Heide (LSN)
INKUTEC GmbH, Barsbüttel (MM)
INM – Leibniz-Institut für Neue Materialien gGmbH, Saarbrücken (MTSW)
inmess GmbH, Bremen (VDMA)
Innocise GmbH, Saarbrücken (VDMA)
InnoRa GmbH, Berlin (FMP)

Innovations Medical GmbH, Tuttlingen (MM)
Innovent e.V., Jena (FMP)
InnoView GmbH, Eichstetten (MM)
INNOWEP GmbH, Würzburg (FMP)
INSION GmbH, Obersulm (MTSW)
Insitut Agira e.V., Waldsassen (MV)
Institut für Diabetes-Technologie Forschungs- und Entwicklungsges. mbH, Ulm (FMP)
Institut für Lasertechnologien in der Medizin und Meßtechnik, Ulm (MTSW)
Institut für Nanophotonik Göttingen e.V., Göttingen (IVAM)
Institut für Pharmakogenetik und Genetische Disposition (IPGD), Peine (FMP)
Institut für Textilmaschinen und Textile Hochleistungswerkstofftechnik, Dresden (VDMA)
Institut für Werkstofftechnik - Universität Kassel, Kassel (VDMA)
Insulet Germany GmbH, München (BVMed, SPECTARIS)
Integra GmbH, Ratingen (BVMed)
intelligent motion GmbH, Wartberg an der Krems (A) (MV)
INTERATIO-MediTec Medizintechnik Vertriebs-GmbH, Steinach (FMP)
INTERCO GmbH, Eitorf (SPECTARIS)
International Business School Tuttlingen c/o HFU Hochschule Furtwangen, Tuttlingen (FMP)
INTERSPIRO GmbH, Hamburg (SPECTARIS)
Intersurgical Beatmungsprodukte GmbH, Sankt Augustin (BVMed)
InterSystems GmbH, Darmstadt (FMP)
Intertek Deutschland GmbH, Kaufbeuren (FMP)
Intrinsic Therapeutics, Inc., Düsseldorf (BVMed)
Intuitive Surgical Deutschland GmbH, Freiburg (BVMed)
Invacare GmbH, Isny (SPECTARIS)
IOLution GmbH, Hamburg (SPECTARIS)
ipp. Ingenieurbüro., Nürnberg (FMP)
IQ.medworks GmbH, Passau (MV)
IQVIA Commercial GmbH & Co. OHG, München, Bayern (FMP)
ISAP AG, Herne (VDMA)
isarpatent Patentanwälte Behnisch, Barth, Charles, Hassa, Peckmann & Partner mbB Büro München, München (FMP)
ISCUE GmbH & Co. KG, Nürnberg (MV)
ISS AG, Integrated Scientific Services, Biel/Bienne (CH) (MM)
IST METZ GmbH, Nürtingen (FMP, VDMA)
iSYS Medizintechnik GmbH, Kitzbühel (FMP)
iSyst - Intelligente Systeme GmbH, Nürnberg (FMP)
IT-Labs GmbH, Nürnberg (MV)
iThera Medical GmbH, München (FMP)
ITK Engineering GmbH, Magdeburg (FMP)
ITStrategen GmbH, Karlsruhe (MTSW)
ITV Denkendorf Produktservice GmbH (ITVP), Denkendorf (MM)

J

Jakobi Dental GmbH, Schiffweiler (MM)
Jarit GmbH, Rietheim-Weilheim (MM)
Jenaer Antriebstechnik GmbH, Jena (VDMA)
JenaValve Technology GmbH, München (BVMed)
JENOPTIK Optical Systems GmbH, Jena (IVAM)
Jobst Technologies GmbH, Freiburg (IVAM)
Johannes Kepler Universität Linz Institut für Chemie der Polymere, Linz (FMP)
Johnson & Johnson Medical GmbH, Norderstedt (BVMed, LSN, SPECTARIS)
Johnson & Johnson Vision AMO Germany GmbH, Ettlingen (BVMed)
Johnson Matthey Piezo Products GmbH, Redwitz (FMP)
Jones Day, München (FMP)
Jongen Werkzeugtechnik GmbH, Willich (VDMA)
Juka Pharma GmbH, Zeutern (BVMed)
Jüke Systemtechnik AG, Altenberge (SPECTARIS)
JÜKE Systemtechnik GmbH, Altenberge (FMP, IVAM)
jung diagnostics GmbH, Hamburg (LSN)

K

K. Lancki und M. Lancki, Berlin (IVAM)
K4 Therapiekonzepte GmbH, Wilhelmsdorf (MV)
KAESER KOMPRESSOREN SE, Coburg (VDMA)
Käfer Werkzeugbau GmbH, Besigheim (VDMA)
KAISER-AMM GmbH , Forchheim (MV)
Kaneka Medical Europe N.V., Eschborn (BVMed)
Kantar GmbH Health Division, München (FMP)
kanyo® - Fachverlag Gesundheit & Medizin GmbH & Co. KG, Nürnberg (MV)
Karl Kaps GmbH & Co.KG, Aßlar / Wetzlar (SPECTARIS)
Karl Klappenecker GmbH & Co. KG, Tuttlingen (MM)
Karl Leibinger Medizintechnik GmbH & Co. KG, Mühlheim (MM)
KARL MAYER STOLL Textilmaschinenfabrik GmbH, Obertshausen (VDMA)
Karl Schüssler GmbH+Co. KG, Bodelshausen (VDMA)
Karl Storz SE & Co. KG, Tuttlingen (MM,SPECTARIS)
Karlsruher Institut für Technologie IMT, Eggenstein-Leopoldshafen (MTSW)
KATEK Frickenhausen GmbH, Frickenhausen (FMP)
Katek GmbH, Grassau (FMP)
Kaymogyn GmbH, Berlin (BVMed)
KEBA Industrial Automation Germany GmbH, Lahnau (VDMA)
Kelch GmbH, Weinstadt (VDMA)
Kendrion Kuhnke Automation GmbH, Malente (SPECTARIS, VDMA)
KERN & SOHN GmbH, Balingen (VDMA)
KEYMKR GmbH, Lübeck (LSN)
KH Medical GmbH, Helmbrechts (MV)
Kiefel GmbH A Member of Brückner Group, Freilassing (VDMA)
kineo finance GmbH (früher DiaMedCare), München (MV)
Kirchner & Wilhelm GmbH + Co. KG, Asperg (SPECTARIS)
Kläger Spritzguss GmbH & Co. KG, Dornstetten (MM)
Klingel Holding GmbH, Pforzheim
Klinik für Allgemeine, Unfall- und Wiederherstellungschirurgie, München (FMP)
Klinikum Bayreuth GmbH, Bayreuth (MV)
Klinikum der Ludwig-Maximilians-Universität München, München (FMP)
Klinikum Fürth, Fürth (MV)
Klinikum Nürnberg, Nürnberg (FMP,MV)
Klinikum rechts der Isar der Technischen Universität München Institut für diagnostische und interventionelle Radiologie, München (FMP)
Klinikum rechts der Isar der TU München Klinik für Anästhesiologie und Intensivmedizin, München (FMP)
Klinikum rechts der Isar Technische Universität München Ärztliche Direktion, München (FMP)
KLS Martin Group, Tuttlingen (SPECTARIS)
KLS Martin Medical GmbH & Co. KG, Tuttlingen (MM)
Knocks Fluid Technik GmbH, Selm (VDMA)
Knoell Germany GmbH, Mannheim (FMP)
Knowledge Department GmbH, Nürnberg (FMP)
knowledgepark GmbH, Neu-Isenburg (FMP)
KOB GmbH, Wolfstein (BVMed)

Koberg & Tente GmbH + Co. KG, Münster (SPECTARIS)
Koch Pac-Systeme GmbH, Pfalzgrafenweiler (VDMA)
KOEPFER Engineering GmbH, Furtwangen (MM)
Kögel GmbH, Oberderdingen (SPECTARIS)
Komet Medical – Gebr. Brasseler GmbH & Co. KG, Lemgo (SPECTARIS)
kommunikationsoptimierer.de, Salzgitter (VDMA)
Königsee Implantate GmbH, Allendorf (SPECTARIS)
KONSCHA Simulation GmbH, Hamburg (LSN)
Kontaktstelle Wissens- und Technologietransfer (WTT-Stelle), Erlangen (MV)
Konzelmann GmbH Kunststoff Innovationen, Löchgau (VDMA)
Koop Industrial Design, Hamburg (LSN)
Körber AG, Hamburg (VDMA)
KORSCH AG, Berlin (VDMA)
kptec group GmbH, Schorndorf (VDMA)
kptec precision parts GmbH, Schorndorf (VDMA)
Krämer Engineering GmbH, Jevenstedt (LSN)
KRAMER MT GmbH & Co. KG, Wardenburg (BVMed)
Krankenhaus Barmherzige Brüder Regensburg, Regensburg (FMP)
Krankenhaus Rummelsberg GmbH, Schwarzenbruck (MV)
KRAUTH Invest GmbH & Co. KG, Hamburg (BVMed)
KREWI Medical Produkte GmbH, Willich (BVMed)
Kröber Medizintechnik GmbH, Dieblich (SPECTARIS)
Kruse Medical Hamburg, Hamburg (LSN)
KUBIVENT GmbH Medizinische Polstersysteme, Urbach (BVMed)
Kugel medical GmbH & Co. KG, Regensburg (FMP)
Kuhnen & Wacker Patent- und Rechtsanwaltsbüro PartG mbB, Freising (FMP)
KUKA Aktiengesellschaft, Augsburg (FMP, VDMA)
KUMAVISION AG, Markdorf (VDMA, MM)
Kunststoff-Zentrum in Leipzig gGmbH, Leipzig (IVAM)
KURARAY EUROPE GMBH, Hattersheim am Main (FMP)

L

L.C.M.A. S.A., Bettembourg (CH) (MM)
LA2 GmbH, Erlangen (MV)
Lab-on-Fiber GmbH, Sonnefeld (MV)
Labonte Medical GmbH, Uetersen (LSN)
Labor Dr. Spranger, Ingolstadt (FMP)
Labor LS SE & Co. KG, Bad Bocklet (BVMed, FMP)
Laetus GmbH, Alsbach-Hähnlein (VDMA)
Lakèl translation, Landshut (FMP)
Landesinnung Chirurgiemechanik, Tuttlingen (SPECTARIS)
Landesmesse Stuttgart GmbH, Stuttgart (MTSW)
Lantenhammer GmbH, Geretsried-Gelting (VDMA)
LAP GmbH Laser Applikationen, Lüneburg (SPECTARIS)
LAROMED GmbH, Schleswig (LSN)
Laser Zentrum Hannover e.V., Hannover (IVAM)
LaserIDENT GROUP GmbH, Bad Vilbel (MTSW)
LASERVORM GmbH, Altmittweida (VDMA)
LECHLER GmbH, Metzingen (VDMA)
LEE Hydraulische Miniaturkomponenten GmbH, Sulzbach (IVAM)
Leibniz Uni Hannover IFW, Garbsen (VDMA)
Leibniz-Institut für Plasmaforschung u.Technologie e.V. INP Greifswald, Greifswald (FMP)
Leica Biosystems Deutschland GmbH Mammotome , Norderstedt (BVMed)
LEINA-WERKE GmbH, Windeck (BVMed)
LEISTRITZ AG, Nürnberg (VDMA)
LEISTRITZ EXTRUSIONSTECHNIK GmbH, Nürnberg (VDMA)
LEISTRITZ PRODUKTIONSTECHNIK GmbH, Nürnberg (VDMA)
LEUKOCARE AG, Martinsried (FMP)
Leuze electronic GmbH + Co. KG, Owen (VDMA)
LEVEL N Coaching & Consulting (die Gründercoaches), Berlin (MV)
Leybold GmbH, Köln (VDMA)
Libify Technologies GmbH, München (FMP)
LICHER MT GmbH, Wedemark (BVMed)
LightFab GmbH, Aachen (IVAM)
LightPulse - Laser Precision, Stuttgart (MTSW, IVAM)
Lima Deutschland GmbH, Hamburg (BVMed)
LINAK GmbH, Nidda (VDMA)
LINDE Gas Therapeutics GmbH, Oberschleißheim (SPECTARIS)
LISA Laser Products GmbH, Katlenburg-Lindau (MM)
LivaNova Deutschland GmbH, München (BVMed)
LMU München BioSysNet, München (FMP)
Logima Software GmbH, Nürnberg (FMP)
Lohmann & Rauscher International GmbH & Co. KG, Neuwied (BVMed)
Lophius Biosciences GmbH, Regensburg (FMP)
Löwenstein Medical GmbH & Co. KG, Bad Ems (SPECTARIS)
Löwenstein medical innovation GmbH & Co. KG , Kronberg (SPECTARIS)
Löwenstein Medical Technology GmbH + Co. KG, Hamburg (SPECTARIS)
LP-Medical Branding GmbH, Hamburg (LSN)
LPKF Laser & Electronics AG, Garbsen (IVAM, VDMA)
LPKF WeldingQuipment GmbH, Fürth (FMP)
LPW Reinigungssysteme GmbH, Riederich (MM)
LR pure systems, Ditzingen-Heimerdingen (MM)
LRE Medical GmbH, München (FMP)
LT Ultra-Precision Technology GmbH, Herdwangen-Schönach (VDMA)
Ludwig Bertram GmbH, Isernhagen (BVMed)
Luneau Technology Deutschland GmbH, Ratingen (SPECTARIS)

M

m law group, München (FMP)
M-O-T Mikro- und Oberflächentechnik GmbH, Saarbrücken (IVAM)
m-u-t GmbH Meßgeräte für Medizin- und Umwelttechnik, Wedel (LSN)
M&P Unternehmensberatung GmbH, Erlangen (MV)
M3i Industrie-in-Klinik-Plattform GmbH, München (FMP)
macio GmbH, Kiel (VDMA)
MAD Schwarz GmbH & Co. KG, Kolbingen (MM)
MagForce AG, Berlin (BVMed, FMP)
MAGNET-SCHULTZ GmbH & Co. KG, Memmingen (VDMA)
Magonovum® GmbH & Co. KG, Wurmlingen (MM)
Mahr GmbH, Göttingen (VDMA)
MAICO Diagnostics GmbH, Berlin (SPECTARIS)
Maier Werkzeugmaschinen GmbH & Co. KG, Wehingen (VDMA)
Mainstay Medical GmbH, München (BVMed)
MAKINO Europe GmbH, Kirchheim u.Teck (VDMA)
Mank GmbH, Dernbach (VDMA)
Manz AG, Reutlingen (VDMA)
MAPAL Dr. Kress KG, Aalen (VDMA)
MARIS MedTech Services GmbH, Hamburg (LSN)
Marken Germany GmbH, Hamburg (LSN)
MARPOSS GmbH, Weinstadt (VDMA)
MAS GmbH, Leonberg (VDMA)
Maschinenbau Kitz GmbH, Troisdorf (VDMA)
Matachana Germany GmbH, Selmsdorf (SPECTARIS)
MATHYS Orthopädie GmbH, Bochum (BVMed)
MATTES Instrumente GmbH, Tuttlingen (MM)

Max Hauser Süddeutsche Chirurgiemechanik GmbH, Tuttlingen (MM)
Max-Planck-Innovation GmbH, München (FMP)
Maximal Dental GmbH, Bamberg (MV)
MED-EL Elektromedizinische Geräte Gesellschaft m.b.H., Innsbruck (FMP)
medac Gesellschaft für klinische Spezialpräparate mbH, Wedel (BVMed)
medbo - Medizinische Einrichtungen des Bezirks Oberpfalz KU, Regensburg (FMP)
Meddrop BioMedical Technologies GmbH, Hamburg (LSN)
MedEcon Ruhr GmbH, Bochum (IVAM)
medhochzwei Verlag GmbH, Heidelberg (MV)
medi GmbH & Co. KG, Bayreuth (BVMed, MV)
medi-G GmbH, Leibertingen (MM)
Medi-Globe GmbH, Achenmühle (FMP)
Medi-Globe Technologies GmbH, Rohrdorf OT Achenmühle (BVMed)
Mediagnost GmbH, Reutlingen (MTSW)
Mediagnost Gesellschaft für Forschung und Herstellung von Diagnostika GmbH, Reutlingen (FMP)
Medic-Center-Nürnberg, Nürnberg (MV)
Medical Device Services – DR. ROSSBERGER GmbH, Gilching (MM)
Medical Magnesium GmbH, Aachen (FMP)
Medical Mountains GmbH, Tuttlingen (IVAM)
Medical Targeting Technologies GmbH, Barum (MM)
Medical Valley Center GmbH, Erlangen (FMP,MV)
Medical Valley EMN e.V., Erlangen (FMP)
medical-wundmanagement GmbH, Siek (LSN)
MedicalCommunications GmbH, Heidelberg (SPECTARIS)
MedicalSign GmbH, Appen (LSN)
MEDICARE Medizinische Geräte GmbH, Aurach (SPECTARIS)
Medicon eG, Tuttlingen (MM,SPECTARIS)
MEDICRO GmbH, Petersaurach (FMP)
Medidee Services Deutschland GmbH, Triberg (FMP,MM)
Medidee Services SA, Lausanne (CH) (MV)
MediGate GmbH, Hamburg (LSN)
medigration GmbH, Erlangen (FMP)
mediIT GmbH, Lübeck (FMP)
medimex GmbH, Limburg (BVMed)
Medipolis Intensiv Care & Service GmbH , Jena (BVMed)
Mediq Holding Deutschland GmbH, Dresden (BVMed)
MEDITEC SOURCE GmbH & Co. KG, Tuttlingen-Nendingen (MM)
Medizinischer Dienst Bayern, München (FMP)
Medizinisches Kompetenzzentrum c/o HCx Consulting GmbH, Wendisch Rietz (FMP)
Medizintechnik & Sanitätshaus Harald Kröger GmbH, Massen (BVMed)
Medizintechnik Akademie, Reinbek (FMP)
Medset Medizintechnik GmbH, Hamburg (LSN)
MedSurv GmbH, Nidderau (FMP)
MedTec & Science GmbH, Ottobrunn (FMP)
Medtronic GmbH, Meerbusch (BVMed)
MedXpert GmbH, Eschbach (MM)
megro GmbH & Co. KG , Wesel (BVMed)
Meiser Medical GmbH, Neuenstein (MM)
MELAG Medizintechnik oHG, Berlin (SPECTARIS)
memetis GmbH, Karlsruhe (IVAM)
Memmert GmbH + Co.KG, Schwabach (SPECTARIS)
Memo Design, Finning (FMP)
mentalis GmbH, Nürnberg (MV)
Merete GmbH, Berlin (BVMed)
Messer Group GmbH, Bad Soden (SPECTARIS)
metecon GmbH, Mannheim (FMP, LSN, MM,MV)
Method Park Holding AG, Erlangen (MV)
MEYER-HAAKE GmbH OBERMÖRLEN, Ober Mörlen (SPECTARIS)
MF Consulting, Erlangen (FMP,MV)
mfd Diagnostics GmbH, Wendelsheim (FMP)
Michelfelder GmbH, Fluorn-Winzeln (MM)
Micreon GmbH, Hannover (IVAM)
Micro Lasertec Deutschland GmbH, Grünenplan (IVAM)
Micro MIM Japan Holdings Inc., Offenburg (IVAM)
Micro Systems Technologies Management GmbH, Berlin (MTSW)
Microdul AG Vertrieb Deutschland, Kandel (MTSW)
microfluidic ChipShop GmbH, Jena (IVAM)
MicroGenesis TechSoft GmbH, München (FMP)
Micromed Medizintechnik GmbH, Wurmlingen (MM)
MICROMETAL GmbH, Müllheim/Baden (IVAM)
Micromotion GmbH, Limburg an der Lahn (IVAM)
Micronit GmbH, Dortmund (IVAM)
MicroPort CRM GmbH, München (BVMed)
MicroPort Scientific GmbH, Ratingen (BVMed)
microsensys GmbH, Erfurt (IVAM)
Microsystems Center Bremen (MCB), Bremen (IVAM)
microworks GmbH, Karlsruhe (MTSW)
midge medical GmbH, Berlin (FMP)
Mikron GmbH, Rottweil
Mikrop AG, Wittenbach (SPECTARIS)
Miller GmbH & Co. KG, Altenstadt (VDMA)
Miltenyi Biotec B.V. & Co. KG , Bergisch Gladbach (BVMed)
MIMplus Technologies GmbH & Co. KG, Ispringen (MM)
Mind in Life Science-Vertriebsskipper , Hamburg (LSN)
Mindpeak GmbH, Hamburg (LSN)
Minebea Intec Bovenden GmbH & Co. KG, Bovenden (VDMA)
MinebeaMitsumi Technology Center Europe GmbH, Villingen-Schwenningen (MTSW)
Mint Medical GmbH, Heidelberg (FMP)
Mitsubishi Electric Europe B.V. NL Deutschland, Ratingen (VDMA)
MK-dent GmbH, Bargteheide (LSN)
mkf GmbH, Lederhose (VDMA)
MKS Instruments Deutschland GmbH, München (MTSW)
MMID GmbH, Lübeck (LSN)
MMM Münchener Medizin Mechanik GmbH, Planegg (SPECTARIS, FMP)
MMT Micro Mechatronic Technologies GmbH, Siegen (IVAM)
Mödlhammer UG (haftungsbeschränkt), Lübeck (LSN)
Moeck & Moeck GmbH, Hamburg (LSN)
MOIO GmbH, Fürth (FMP, MV)
MOJE-Keramik-Implantate GmbH & Co.KG, Petersberg (FMP)
Molecular Health GmbH, Heidelberg (BVMed)
Moll Engineering GmbH, Lübeck (LSN)
Möller Medical GmbH, Fulda (FMP)
Mölnlycke Health Care GmbH, Düsseldorf (BVMed)
Mondosano GmbH, Hamburg (LSN)
mono:consulting Ingenieurbüro Dr. Monika Nörr, Geretshausen (FMP)
Morali Produktionstechnik GmbH, Zimmern (MM)
Morphose HealthCare GmbH, Neumarkt (MV)
motan Holding GmbH, Konstanz (VDMA)
MPDV Mikrolab GmbH, Mosbach (VDMA)
MR:comp GmbH, Gelsenkirchen (FMP)
msg industry advisors ag, Ismaning (FMP, VDMA)
MT Promedt Consulting GmbH, St. Ingbert (LSN)
MTC Medical Technology Consultants GmbH, München (MM)
MTS Medical UG, Konstanz (MM)

Mühle-Müller Pflegebetten, Merenberg (SPECTARIS)
multi service monitoring, Beratzhausen (FMP)
Multiphoton Optics GmbH, Würzburg (IVAM)
MULTIVAC Sepp Haggenmüller SE & Co. KG, Wolfertschwerden (VDMA)
Münchener Medizin Mechanik GmbH, Planegg (SPECTARIS)
Munevo GmbH, München (SPECTARIS)
Murgitroyd & Co. Ltd, München (FMP)
Murtfeldt Kunststoffe GmbH + Co. KG, Dortmund (VDMA)
MVZ LABOR LIMBACH NÜRNBERG GMBH, Wendelstein (MV)
MzM Zerspanungstechnik, Horst (LSN)

N

n:aip Deutschland GmbH, Fürth (MV)
NABERTHERM GmbH, Lilienthal (VDMA)
NAGEL Maschinen- und Werkzeugfabrik GmbH, Nürtingen (VDMA)
namete (NanoMedicalTechnology), Hamburg (LSN)
Namsa Clinical and Consulting GmbH, Obernburg am Main (FMP)
nass magnet GmbH, Hannover (VDMA)
NAWA HEILMITTEL GmbH, Nürnberg (BVMed, FMP)
NB GmbH, Gronau (IVAM)
Nemius Group GmbH, Offenbach am Main (FMP)
neoplas med GmbH, Greifswald (BVMed)
Netherlands Business Support Office Stuttgart, Stuttgart (FMP)
Netzwerk NanoMat, Eggenstein-Leopoldshafen (IVAM)
Neumaier Logistics GmbH, Aschheim (FMP)
NeurOp German Branch Ltd., Würzburg (MV)
Nevro Germany GmbH c/o Rüter & Partner, München (BVMed)
Newsenselab GmbH, Berlin (SPECTARIS)
Nijdra Engineering BV, Middenbeemster (FMP)
Nipro Pure Water GmbH, Bruchsal (VDMA)
NMI Naturwissenschaftliches und Medizinisches Institut, Reutlingen (MTSW,VDMA)
NOBAMED Paul Danz AG, Wetter/Ruhr (BVMed)
Nocubi GmbH, Metzingen (FMP)
noma-med GmbH, Harsum, OT Asel (BVMed)
NOPA Instruments Medizintechnik GmbH, Tuttlingen (MM)
NORGREN GmbH, Alpen (VDMA)
northh medical GmbH, Hamburg (LSN)
Northrop Grumman LITEF GmbH, Freiburg (MTSW)
Notion Systems GmbH, Schwetzingen (MTSW)
nova:med GmbH & Co. KG, Lonnerstadt (SPECTARIS)
Novapump GmbH, Jena (FMP)
Novartis Pharma GmbH, Nürnberg (MV)
novineon CRO GmbH, Tübingen (FMP, MM)
Novo Klinik-Service GmbH, Bergheim (BVMed)
NRI Medizintechnik GmbH, München (FMP)
NSF PROSYSTEM GmbH, Hamburg (LSN)
NUI Care GmbH, München (MV)
numares AG, Regensburg (FMP)
NürnbergMesse GmbH, Nürnberg (FMP,MV)
Nutricia Milupa GmbH, Erlangen (BVMed)
NuVasive Germany GmbH, Bremen (BVMed)
NW Medsales Consulting, Neumarkt (MV)
nw-medsales Consulting, Neumarkt (FMP)

O

O.Meany MD&PM GmbH, Nürnberg (MV)
OAV - Ostasiatischer Verein e.V. , Hamburg (IVAM)
Oberender AG, Bayreuth (MV)
OBERON GmbH Fiber Technologies, Wildau (SPECTARIS)
OCTUM GmbH, Ilsfeld (VDMA)
Oculus Optikgeräte GmbH, Wetzlar (SPECTARIS)
OECHSLER AG, Ansbach (FMP,MV)
OEMETA Chemische Werke GmbH, Uetersen (VDMA)
OFA Bamberg GmbH, Bamberg (SPECTARIS)
Okuvision GmbH, Reutlingen (BVMed)
Olympus Europa SE & Co. KG, Hamburg (SPECTARIS)
Olympus Surgical Technologies Europe, Hamburg (LSN)
OLYMPUS Winter & Ibe GmbH, Hamburg (SPECTARIS)
oncampus GmbH, Lübeck (LSN)
Oncare GmbH, München (FMP)
Ondics GmbH, Esslingen (MTSW)
onelDentity+ GmbH, Ismaning (VDMA)
ONTEC automation GmbH, Naila (VDMA)
Ontex Healthcare Deutschland GmbH, Lotte (BVMed)
OPED GmbH, Valley/Oberlaindern (BVMed)
OPEN MIND Technologies AG, Wessling (VDMA)
OptaSensor GmbH, Nürnberg (IVAM)
Optence e.V., Wörrstadt (IVAM)
optimed Medizinische Instrumente GmbH, Ettlingen (BVMed)
OPTIMUM datamanagement solutions GmbH, Karlsruhe (VDMA)
Opto GmbH, Gräfelfing (VDMA)
ORGMED-Unternehmensberatung, Erlangen (MV)
ORIPLAST GmbH, Neunkirchen (BVMed)
Orthobion GmbH, Konstanz (FMP)
Orthopy Health GmbH, Hamburg (LSN)
Orthoscoot GmbH, Neusäß (BVMed)
Oskar Frech GmbH + Co. KG, Schorndorf (VDMA)
OST – Ostschweizer Fachhochschule, Buchs (MTSW)
Ostbayerische Technische Hochschule Amberg-Weiden, Weiden (FMP,MV)
Ostbayerische Technische Hochschule Regensburg Fakultät Maschinenbau, Regensburg (FMP)
OTEC Präzisionsfinish GmbH, Straubenhardt (VDMA)
Otto Rüttgers GmbH + Co.KG, Solingen (SPECTARIS)
Ottobock SE & Co. KGaA, Duderstadt (BVMed,SPECTARIS)
Ovesco Endoscopy AG, Tübingen (MTSW,SPECTARIS)
oxaion GmbH, Ettlingen (FMP, MM, VDMA)

P

P.J. Dahlhausen & Co. GmbH, Köln (BVMed)
PACE-Tec GmbH, Furtwangen (MTSW)
paconsult Swiss GmbH, Neuhausen am Rheinfall (CH) (MM)
Pajunk GmbH, Geisingen (MM)
PAJUNK Medical Produkte GmbH, Geisingen (BVMed)
PakuMed medical products gmbh, Essen (SPECTARIS)
Pall GmbH Medical, Dreieich (BVMed)
Panasonic Electric Works Europe AG, Ottobrunn (VDMA)
Panasonic Industry Europe GmbH, Ottobrunn (VDMA)
Paradigm Spine GmbH, Wurmlingen (BVMed, MM)
PARAM GmbH, Hamburg (BVMed)
PARI GMBH, Starnberg (SPECTARIS)
Parker Hannifin GmbH, Bielefeld (VDMA)

PASENAU Projektmanagement für Ärzte und Unternehmen GmbH, Weisendorf (MV)
Patent- und Verwertungsagentur für die wissenschaftlichen Einrichtungen in Schleswig-Holstein GmbH, Kiel (LSN)
Patentanwältin Dagmar Obersteiner-Liebhoff, Hamburg (LSN)
Paul Albrechts Verlag GmbH, Lütjensee (LSN)
PAUL HARTMANN AG, Heidenheim (BVMed)
Paul Schöndorf Metallwaren GmbH, March-Buchheim (MM)
Pedilay Care GmbH, München (BVMed, FMP)
PENTAX Europe GmbH, Hamburg (LSN, SPECTARIS)
Pentracor GmbH, Hennigsdorf (BVMed)
Pereg GmbH Analytik, Hygiene, Waldkraiburg (FMP)
Perfood GmbH, Lübeck (LSN)
Personalberatung Fahr, Überlingen (MM)
PETER BREHM GmbH, Weisendorf (BVMed, MV)
Peter Brehm GmbH Chirurgie-Mechanik, Weisendorf (FMP)
Peter Lazic GmbH, Tuttlingen (MM)
Petermann GmbH, Dombühl (MV)
Pfaff GmbH, Waldkirch (MM)
Pfau - Medizinische Instrumente GmbH, Wanfried (MM)
pfm medical ag, Köln (BVMed)
pfm medical titanium gmbh, Nürnberg (FMP)
PHADIMED Pharma-Medica Vertriebs-GmbH, Herne (BVMed)
Phalcon Consulting Dr. A. Emmendörffer, Stein AG (CH) (MM)
Pharmpur GmbH, Königsbrunn (FMP)
phenox GmbH, Bochum (SPECTARIS)
Philips GmbH Innovation Services Aachen, Aachen (VDMA)
Philips GmbH Market DACH, Hamburg (BVMed, LSN)
Philips GmbH Respironics, Herrsching (SPECTARIS)
Philyra UG Factory Görlitzer Park, Berlin (FMP)
PHOTON ENERGY GmbH, Ottensoos (MM)
Physiomed Elektromedizin AG, Schnaittach/Laipersdorf (FMP)
PhysioNova GmbH, Erlangen (MV)
pi4_robotics GmbH, Berlin (VDMA)
PI Ceramic GmbH, Lederhose
piur imaging GmbH, Wien (FMP)
PKS-Systemtechnik GmbH Soft- und Hardware, Erlangen (FMP)
Plan Optik AG, Elsoff (IVAM)
Plasmatreat GmbH, Steinhagen (MTSW,VDMA)
PLATO AG, Lübeck (LSN, VDMA)
plock consulting, Glienicke (FMP)
PMT Präzision-Medizin-Technik GmbH, Weiskirchen (BVMed)
POLAR-MOHR Maschinenvertriebsgesellschaft GmbH & Co. KG, Hofheim (VDMA)
Poligrat Deutschland GmbH, München (VDMA)
Poliklinik für Zahnärztliche Prothetik Klinikum der Universität München - Innenstadt, München (FMP)
Polymaterials AG, Kaufbeuren (FMP)
Polytec GmbH, Waldbronn (MTSW)
Polytech Domilens GmbH, Roßdorf (BVMed)
POLYTECH Health & Aesthetics GmbH, Dieburg (BVMed)
Portabiles HealthCare Technologies GmbH, Erlangen (FMP,MV)
PPH GmbH, Erlangen (MV)
Praxisnetz Nürnberg Süd e.V., Nürnberg (MV)
Precisis AG, Heidelberg (BVMed)
PrehApp GmbH, Erlangen (MV)
PressFinish Electronics GmbH, Germering (MV)
pro-beam GmbH & Co. KGaA, Planegg (VDMA)
ProCarement GmbH, Forchheim (MV)
Prof. Dr. H.P.Zenner GmbH , Tübingen (MM)
Project Solutions GmbH, Ludwigshafen (FMP)
promark automation GmbH & Co. KG, Eigeltingen (MM)
ProMediPac Medical Packaging Technology, Mengen (MM)
Protron Mikrotechnik GmbH, Bremen (IVAM)
PSM Medical Solutions, Gunningen (MM)
Psyma Health & CARE GmbH, Rückersdorf (FMP)
PTA Pharma-Technischer Apparatebau GmbH & Co. KG, Mauern (FMP)
PTW Darmstadt, Darmstadt (VDMA)
PubliCare GmbH, Köln (BVMed)
PÜG Prüf- und Überwachungsgesellschaft mbH, Gäufelden (MM)
PulmonX GmbH, München (BVMed)
PULSION Medical Systems SE, Feldkirchen (BVMed)
PÜSCHEL Automation GmbH & Co, KG, Lüdenscheid (VDMA)

Q

QM-Beratung Jürgen Will, Neuhausen (MM)
QMedicus Consulting, Kassel (FMP)
QRelation Engineering Team GmbH, Hamburg (LSN)
QRM GmbH, Möhrendorf (MV)
qtec consult GmbH, Lübeck (LSN, MM)
Quality Analysis GmbH, Nürtingen (MM)
QualityLabs BT GmbH, Nürnberg (FMP,MV)
Quanos Content Solutions GmbH (früher SCHEMA), Nürnberg (MV)
QUESTALPHA GmbH & Co. KG, Eschenburg (BVMed)

R

R&D Consulting GmbH & Co. KG, Klagenfurt (FMP)
R&R Med GmbH, Nürnberg (FMP)
RaDes GmbH, Hamburg (LSN)
RADIMED, Bochum (SPECTARIS)
RAPA Healthcare GmbH & Co.KG, Selb (FMP, SPECTARIS)
Raphael Frasch GmbH, Erlangen-Tennenlohe (MV)
RAUMEDIC AG, Helmbrechts (BVMed, FMP, MM,MV)
Rauschert Heinersdorf-oPressig GmbH, Pressig (MM)
Raylytic GmbH, Leipzig (BVMed,SPECTARIS)
Rayner Surgical GmbH, Berlin (BVMed)
Reactive Robotics GmbH, München (FMP)
Rechtsanwälte M&P Dr. Matzen & Partner mbB, Hamburg (LSN)
Rechtsanwälte Preuß & Bürvenich Partnerschaft mbB, Plochingen (FMP)
RECOM Power GmbH, Gmunden
recusana GmbH, Stuttgart (BVMed)
REGER Medizintechnik GmbH, Villingendorf (MM)
rego X-Ray GmbH, Augsburg (FMP)
reha team Nordbayern Gesundheitstechnik GmbH, Bayreuth (MV)
rehaVital Gesundheitsservice GmbH, Hamburg (BVMed)
Reiner SCT, Furtwangen (MTSW)
Reinhardt Microtech GmbH, Ulm (MTSW)
REMARK GmbH Pharma Services & Consulting, Oberschleißheim bei München (FMP)
Renishaw GmbH, Pliezhausen (VDMA)
Repado Ltd, Athens (GR) (FMP)
reputation-engineering, Wörth (FMP)
ResMed Deutschland GmbH, Bremen (SPECTARIS)
Resorba Medical GmbH, Nürnberg (FMP,MV)
ReWalk Robotics GmbH, Berlin (SPECTARIS)

Rheinisch-Bergisches TechnologieZentrum GmbH, Bergisch Gladbach (IVAM)
RI Innovation GmbH, Hürth (FMP)
Richard Wolf GmbH, Knittlingen (SPECTARIS)
Ritex GmbH, Bielefeld (BVMed)
Ritter GmbH, Schwabmünchen (FMP)
Ritzi Industriedrucktechnik GmbH, Trossingen (MM)
rk instrumente GmbH, Tuttlingen (MM)
ROB'E UG, Hamburg (LSN)
Roche Diagnostics GmbH, Penzberg (FMP,MTSW)
Rocketlane Medical Ventures GmbH, Grünwald (MV)
Rockwell Automation Solutions GmbH, Karlsruhe (VDMA)
Rodenstock GmbH, München (FMP)
Rodriguez GmbH, Eschweiler (VDMA)
ROFIN-SINAR Laser GmbH, Bergkirchen (VDMA)
ROHDE KG, Röttenbach (MV)
Roland Stangl Innovations, Moosburg (FMP, IVAM)
RoodMicrotec GmbH, Stuttgart (MTSW)
rose plastic medical packaging GmbH, Hergensweiler (MM)
Rösler Oberflächentechnik GmbH, Untermerzbach (VDMA)
RoweMed AG - Medical 4 Life, Parchim (VDMA)
Rowiak GmbH, Hannover (FMP)
Royal Danish Consulate Innovation Center Denmark, München (FMP)
RSG Automation Technics GmbH & Co. KG, Bietigheim-Bissingen (VDMA)
RSG Bad Kissingen, Rhön-Saale Gründer- und Innovationszentrum GmbH & Co. KG, Bad Kissingen (FMP)
RSR Reha-Service-Ring GmbH, Hamburg (BVMed)
RTE Akustik + Prüftechnik GmbH, Pfinztal Berghausen (VDMA)
RUDOLF Medical GmbH + Co. KG, Fridingen an der Donau (MM)
Rudolf Riester GmbH, Jungingen (SPECTARIS)
Rudolf Storz GmbH, Emmingen-Liptingen (MM)
ruhlamat GmbH, Gerstungen (VDMA)
Ruhr-Universität Bochum, Bochum (IVAM)
RWTH Aachen University, Aachen (FMP)

S

S.I.E SOLUTIONS System Industrie Electronic GmbH, Lustenau (FMP)
S.I.M.E.O.N. Medical GmbH & Co. KG, Tuttlingen (MM)
S&V Technologies GmbH, Hennigsdorf (BVMed)
Sachtleben GmbH, Hamburg (LSN)
Sachverständigenbüro IT, Nürnberg (FMP)
Sachverständigenbüro Kapitza, Germering (FMP)
SAE Applications for Digitalization GmbH, Weng (VDMA)
SafetyKon, Freiburg (MM)
Saitama City Foundation for Business Creation, Chuou-ku, Saitama City (JPN) (FMP)
Salcon, Heidelberg (IVAM)
Sanavita Pharmaceuticals GmbH, Hamburg (BVMed)
SANDER Chemisch-Pharmazeutische Fabrik GmbH, Berlin (BVMed)
Sandvik Materials Technology Deutschland GmbH, Mörfelden-Walldorf (IVAM)
Sandvik Tooling Deutschland GmbH, Düsseldorf (VDMA)
SANGEL Systemtechnik GmbH, Bielefeld (VDMA)
sangro medical service GmbH, Erkrath-Unterfeldhaus (BVMed)
SANIMED GmbH, Ibbenbüren (BVMed)
Sanitätshaus Aktuell AG, Vettelschoß (BVMed)
Sanitätshaus Müller Betten GmbH & Co. KG, Engelskirchen (BVMed)
Sanitätshaus Urban & Kemmler GmbH, Weiden (FMP)
Sanitop GmbH, Mannheim (BVMed)
Santen GmbH, München (BVMed)
Sapio Life GmbH & Co. KG, Homburg (SPECTARIS)
sapiotec GmbH, Würzburg (MV)
SAS hagmann GmbH & Co. KG, Horb a.N. (MM)
Sasse Elektronik GmbH, Schwabach (FMP,MV)
Sauter GmbH Formenbau, Hirrlingen (MM)
Savuna GmbH, Augsburg (FMP)
SBM Schoeller-Bleckmann Medizintechnik GmbH, A-Ternitz (VDMA)
SCC Scientific Consulting Company GmbH, Bad Kreuznach (MTSW)
Schaeffler Technologies AG & Co. KG, Herzogenaurach (VDMA)
Schellenberger Bürstenfabrik GmbH, Bechhofen (FMP)
SCHEUERMANN + HEILIG GmbH, Buchen (Odenwald) (MTSW)
Schlösser & Co. Marketing GmbH, Bayreuth (FMP,MV)
SCHMITZ u. Söhne GmbH & Co.KG, Wickede (SPECTARIS)
SCHNEEBERGER GMBH, Höfen an der Enz (VDMA)
SCHÖLLY FIBEROPTIC GMBH, Denzlingen (MM)
SCHOTT & MEISSNER Maschinen und Anlagen GmbH, Blaufelden (VDMA)
SCHOTT AG, Mainz (FMP)
Schülke & Mayr GmbH, Norderstedt (BVMed)
SCHUNK GmbH & Co. KG, Lauffen (VDMA)
Schüssler Technik GmbH & Co. KG, Pforzheim (VDMA)
Schwäbische Werkzeugmaschinen GmbH, Schramberg-Waldmössingen (VDMA)
Schwan Cosmetics Produktionstechnik GmbH & Co. KG, Heroldsberg (VDMA)
Schwanog Siegfried Güntert GmbH, Villingen-Schwenningen (VDMA)
SCHWIND eye-tech-solutions GmbH, Kleinostheim (FMP,SPECTARIS)
screenshot artworx GmbH, Nürnberg (MV)
SCS Germany GmbH, Pliezhausen (MTSW)
SDL Multilingual Services GmbH & Co. KG, Stuttgart (VDMA)
seca gmbh & co. kg, Hamburg (SPECTARIS)
seca gmbh & co. kg., Hamburg (VDMA)
Seco Tools GmbH, Erkrath (VDMA)
Seemann Technologies GmbH, Böttingen (MM)
seleon gmbh, Heilbronn (BVMed, FMP, LSN,MV)
SEM-Plastomed GmbH, Obererbach (BVMed)
SEMASU GmbH, Eching (FMP)
Semeda GmbH, Bad Bodenteich (SPECTARIS)
senetics healthcare group GmbH & Co. KG, Ansbach (FMP,MV)
SENTECH Gesellschaft für Sensortechnik GmbH, Krailing (IVAM)
sepp.med gmbh, Röttenbach (MV)
SERAG-WIESSNER GmbH & Co. KG, Naila (BVMed)
servoprax GmbH, Wesel (BVMed)
SES Systemtechnik & uv-electronic GmbH, Balgheim (MM)
sfm medical devices GmbH, Wächtersbach (MM)
SGA GmbH, Geisingen (MM)
SGS Germany GmbH, München (FMP)
Shockwave Medical GmbH, Kleve (BVMed)
SHS Gesellschaft für Beteiligungsmanagement mbH, Tübingen (FMP)
SICK AG, Waldkirch (MTSW)
SIEMENS AG, München (VDMA)
Siemens Healthcare GmbH, Erlangen (FMP)
Siemens Healthineers GmbH, Erlangen (MV)
SIGMA Elektro GmbH, Neustadt (FMP)
SIGNUS Medizintechnik GmbH, Alzenau (BVMed, MM)
Sigrid Triebfürst. medtech-seminare & coaching, Obermichelbach (FMP)
SILREAL GmbH, Berlin (MV)
SIM Automation GmbH, Heilbad Heiligenstadt (VDMA)

SIMEX Medizintechnik GmbH, Deisslingen-Lauffen (MM)
SIMFO Spezielle Immunologie Forschung + Entwicklung GmbH Bayreuth, Bayreuth (FMP)
Simon Hegele GmbH, Karlsruhe (MV)
Simon Nann GmbH & Co. KG, Böttingen (VDMA)
Singulus Technologies AG, Kahl am Main (VDMA)
Sioux Technologies GmbH (4plus GmbH), Erlangen (FMP, MV)
Sirtex Medical Europe GmbH, Bonn (BVMed)
SITEC Industrietechnologie GmbH, Chemnitz (VDMA)
SKF GmbH, Schweinfurt (VDMA)
Smart Reporting GmbH, München (FMP)
SmartMembranes GmbH, Halle (Saale) (IVAM)
SMARTSTEP Consulting GmbH, Hamburg (LSN)
SmartStep Data Institute GmbH, Hamburg (LSN)
SMC Deutschland GmbH, Egelsbach (VDMA)
smidig GmbH, Hamburg (LSN)
Smith & Nephew GmbH, Marl (BVMed)
Smiths Medical Deutschland GmbH, Grasbrunn (BVMed)
SMS group GmbH, Düsseldorf (VDMA)
Soehnle Industrial Solutions GmbH, Backnang (VDMA)
softgate GmbH, Erlangen (FMP,MV)
SOHARD Software GmbH, Fürth (MV)
Solectrix GmbH, Fürth (FMP,MV)
Solidpro Informationssysteme GmbH, Langenau (MM)
Solnovis GmbH, Forchheim (FMP,MV)
SomnoMed® Germany GmbH, Zellingen (SPECTARIS)
Sonnenberg Harrison, Partnerschaft von Patent- und Rechtsanwälten mbB, München (IVAM)
SONOSYS Ultraschallsysteme GmbH, Neuenbürg (MTSW)
SONOTEC GmbH, Halle (VDMA)
Sonovum AG, Leipzig (SPECTARIS)
Sonovum GmbH, Leipzig (FMP)
Söring GmbH, Quickborn (LSN, SPECTARIS)
Sozialstiftung Bamberg, Bamberg (MV)
Sparkasse Forchheim, Forchheim (MV)
SPECTARIS, Berlin (IVAM)
SpeedCareMineral GmbH, Neubrandenburg (LSN)
speziMED GmbH, Radeberg OT Großerkmannsdorf (BVMed)
Spiggle & Theis Medizintechnik GmbH, Overath / Germany (BVMed)
Spirit Link GmbH, Erlangen (FMP)
Stadt Bamberg, Bamberg (MV)
Stadt Erlangen , Erlangen (MV)
Stadt Erlangen, Erlangen (FMP)
Stadt Forchheim, Forchheim (MV)
Stadt Fürth Amt für Wirtschaft und Stadtentwicklung, Fürth (FMP)
Stadt Nürnberg NürnbergStift, Nürnberg (FMP)
Stadt- und Kreissparkasse Erlangen, Erlangen (MV)
Staiger GmbH & Co. KG, Erligheim (VDMA, MTSW)
Standortagentur Tirol GmbH, Innsbruck (A) (FMP)
Starrag GmbH, Chemnitz (VDMA)
Stäubli Bayreuth GmbH, Bayreuth (VDMA)
Stäubli Tec-Systems GmbH, Bayreuth (VDMA)
steco-system-technik GmbH & Co. KG, Hamburg (LSN)
STEIN Automation GmbH & Co. KG, Villingen-Schwenningen (VDMA)
Steinbeis 2i GmbH, Karlsruhe (MTSW)
Steinbeis GmbH & Co. KG für Technologietransfer, Stuttgart (MTSW)
Steinbeis-Transferzentrum Tribologie, Karlsruhe (MTSW)
STEMA Medizintechnik GmbH, Neuhausen ob Eck (MM)
steripac GmbH, Calw-Altburg (MM)
STERIS Deutschland GmbH, DANmed, Tuttlingen (MM)
Sterman Technische Systeme GmbH, St. Georgen (MM)
steute Technologies GmbH & Co. KG, Löhne (VDMA)
Stiegelmeyer GmbH & Co. KG, Herford (SPECTARIS)
Stolmár & Partner Hamburg, Schwinde (LSN)
Storz am Mark GmbH, Emmingen-Liptingen (MM)
Storz Medical AG, Tägerwilen (CH) (MM)
STRATCON Strategy Consulting - Health Care, Berg/Opf. (FMP)
STRATEC Consumables GmbH, Anif (MTSW)
Strub Medical GmbH & Co. KG, Neuhausen (MM)
STRUBL GmbH & Co. KG, Wendelstein (MV)
Stryker GmbH & Co. KG, Duisburg (BVMed)
Stryker Leibinger GmbH & Co. KG, Freiburg (MM, MTSW)
Stryker Trauma GmbH, Schönkirchen/Kiel (LSN)
Sumitomo (SHI) Demag Plastics Machinery GmbH, Schwaig (VDMA)
SUMITOMO ELECTRIC HARTMETALLFABRIK GMBH, Lauchheim (VDMA)
Sunrise Medical GmbH , Malsch/Heidelberg (BVMed)
SurgicEye GmbH, München (FMP)
SurgMark GmbH, Hamburg (LSN)
Sutter Medizintechnik GmbH, Freiburg (MM,SPECTARIS)
Swagelok München B.E.S.T. Fluidsysteme GmbH München, Garching (FMP)
Sylacon Engineering Team GmbH, Uetersen (LSN)
Sylvia Lawry Centre for Multiple Sclerosis Research e.V., München (FMP)
Symbios Deutschland GmbH, Mainz (BVMed)
symmedia GmbH, Bielefeld (VDMA)
synlab Weiden Medizinisches Versorgungszentrum für Laboratoriumsmedizin und Mikrobiologie, Weiden (FMP)
Syntax Systems GmbH & Co. KG, Weinheim (VDMA)
Syntellix AG, Hannover (BVMed)
Sysmex Europe GmbH, Norderstedt (LSN)
Systam SAS France, Saarbrücken (BVMed)
System Industrie Electronic Deutschland GmbH, Landshut
Systemtechnik LEBER GmbH & Co. KG, Schwaig (FMP,MV)

T

T&O LabSystems GmbH & Co. KG, Kaltenkirchen (LSN)
Tabrizi Kunststoffverarbeitung GmbH, Fürth (MV)
Tagueri AG, Hamburg (LSN)
Talentor Austria GmbH, Wien (A) (FMP)
TALENTOR Austria, Wien (A) (MV)
Talkingeyes&more GmbH, Erlangen (MV)
TAMPOPRINT GmbH, Korntal-Münchingen (MM)
TapMed Medizintechnik Handels GmbH, Habichtswald-Ehlen (BVMed)
TBN Public Relations GmbH, Fürth (FMP)
TDK-Micronas GmbH, Freiburg (MTSW)
TE Connectivity Sensors Germany GmbH, Dortmund (IVAM)
Technische Hochschule Rosenheim Fakultät für Angewandte Gesundheits- und Sozialwissenschaften, Rosenheim (FMP)
Technische Sachbearbeitung Industrial - Engineering, Schwerin (FMP)
Technische Universität Chemnitz, Chemnitz (IVAM)
Technische Universität Ilmenau Institut für Biomedizinische Technik und Informatik, Ilmenau (FMP)
Technische Universität München Fakultät für Maschinenwesen Lehrstuhl für Mikro- und Medizingerätetechnik, Garching (FMP)
Technische Universität München Heinz Nixdorf-Lehrstuhl für Biomedizinische Elektronik, München (FMP)
Technische Universität München LS für Medizintechnik - Biokompatible Werkstoffe + Prozesstechnik, Garching (FMP)

Technologie-Campus an der Hochschule Amberg-Weiden e.V., Amberg (MV)
technotrans SE, Sassenberg (VDMA)
tediro GmbH, Ilmenau (FMP)
TEKON Prüftechnik GmbH, Kernen (VDMA)
Teleflex Medical GmbH, Fellbach (BVMed)
Teleon Surgical Vertriebs GmbH, Berlin (BVMed)
TELEPAXX Medical Data GmbH, Büchenbach (MV)
Tem Innovations GmbH, München (FMP)
temicon GmbH, Dortmund (IVAM)
Tentamus Pharma & Med Deutschland GmbH, Karlsruhe (MM)
Tergau & Walkenhorst Patentanwälte - Rechtsanwälte, Frankfurt (FMP)
terraplasma medical GmbH, Garching (FMP)
Terumo Deutschland GmbH, Eschborn (BVMed)
TesT GmbH, Erkrath (VDMA)
Testo SE & Co. KGaA, Titisee-Neustadt (MTSW)
Textilforschungsinstitut Thüringen-Vogtland e.V., Greiz (MV)
Textilia Stahlwaren-Manufaktur GmbH & Co. KG, Solingen (SPECTARIS)
TGE-gTrägergesellschaft mbH, Neumarkt (MV)
THALES DIS CPL Deutschland GmbH, München (FMP)
The MathWorks GmbH, Aachen (VDMA)
The Next Unicorn Ventures GmbH, Nürnberg (MV)
The ROHO Group, Hasselt (B) (BVMed)
Therakos Germany GmbH, Frankfurt (BVMed)
Thieme Compliance GmbH, Erlangen (FMP)
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