



MEDTECH TWENTE CLUSTER COMPANY OVERVIEW:

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- **20Med Therapeutics:** 20Med Therapeutics specializes in developing RNA and DNA-based vaccines and therapeutics using proprietary bio-responsive polymeric nanoparticles (PNPs). Their innovative technology aims to overcome the limitations of traditional vaccine delivery methods, enhancing stability and distribution, particularly in low-resource settings. Collaborating with partners like CEPI, 20Med is focused on advancing thermostable vaccines to improve global health outcomes.
<https://www.20medtx.com/>
Keywords: Polymeric nanoparticles, RNA delivery, DNA delivery, mRNA vaccines, Infectious diseases, Thermostable vaccines, Immunogenicity, Non-viral drug delivery
- **2Scope:** 2Scope leverages AI technology to enhance the detection and diagnosis of lung infections during initial medical visits. Their innovative solutions aim to improve the accuracy of identifying conditions like asthma and COPD, which are often misdiagnosed in primary care settings. By providing quick and reliable second opinions, 2Scope supports healthcare professionals in making better-informed decisions and improving patient outcomes.
<https://2scope.nl/>
Keywords: AI diagnosis, lung infections, asthma, COPD
- **3DMedicalSupport:** 3D Medical Support BV manufactures 3D printed anatomical models, also known as phantoms, based on patient-specific CT scan data. These models assist in surgical planning, providing surgeons with precise physical replicas of the anatomy to be operated on, thus improving the accuracy and outcomes of surgical procedures. The company prides itself on delivering high-quality, patient-specific models within 24 hours, enhancing preoperative preparation and overall surgical efficiency.
www.3dmedicalsupport.com
Keywords: 3D printed models, surgical planning, CT scan data, organ visualization, patient-specific, anatomical modeling, surgical outcomes

- **3T:** 3T specializes in the design and development of custom electronics and embedded systems, with significant applications in the medical field. Their expertise includes creating reliable, high-performance solutions for medical devices, ensuring these products meet rigorous safety and quality standards. By partnering with medical technology companies, 3T helps bring innovative healthcare solutions to market, enhancing patient care and operational efficiency
www.3t.nl
Keywords: Electronics development, embedded systems, medical devices, analog electronics, digital electronics, FPGA/SoC development, test systems, model-based design
- **Ambroise:** Ambroise is a company specializing in the design and production of innovative orthotic devices. Their products, including knee, ankle, and shoulder orthoses, are designed to enhance mobility and comfort for individuals with various physical limitations. By utilizing advanced materials and engineering, Ambroise aims to improve the quality of life for patients through effective and reliable orthotic solutions
<https://www.ambroise.nl/>
Keywords: Orthopedic braces, innovative orthoses, custom-fit, digital measurement, limb support, knee braces, dynamic orthoses, lightweight solutions
- **AMES:** This company focuses on the remote monitoring of COPD and asthma patients, aiming to predict upcoming exacerbations. Their technology allows for continuous patient monitoring, improving disease management and outcomes. They leverage innovative solutions to enhance respiratory care.
<https://www.amesbv.com>
Keywords: Respiratory monitoring, BreatheView system, spirometry, lung function tests, remote monitoring, real-time data, telehealth solutions, patient compliance
- **ANT Neuro:** ANT Neuro specializes in developing advanced neurodiagnostic and neuroimaging solutions for both clinical and research applications. The company provides a wide range of products including EEG, EMG, and TMS systems that support high-quality brain and nervous system research. ANT Neuro's innovative technologies are designed to deliver precise and reliable data, enhancing the capabilities of neuroscientists and clinicians globally
<https://www.ant-neuro.com/>
Keywords: EEG systems, neurodiagnostics, brain research, multimodal imaging, real-time data, TMS navigation, neonatal monitoring, physiological sensors
- **AWEAR Tech:** AWEAR Tech specializes in wearable technology designed to monitor and track movement. Their primary product, the AWEAR Spark, is a single worn sensor that recognizes various positions and movements such as lying down, sitting, standing, and walking. This data is transmitted to an accompanying app, allowing medical staff to monitor patients' activity levels and set goals to improve their mobility and overall health.
www.awear.tech
Keywords: Post-surgery recovery, movement tracking, wearable sensor, patient motivation, hospital stay, rehabilitation goals, real-time data, activity monitoring
- **Baat Medical:** Baat Medical is a full-service company specializing in the development and manufacturing of medical devices. They offer a comprehensive range of services, from initial concept and design to final production, ensuring compliance with ISO 13485 and FDA regulations. With over two decades of experience, Baat Medical has collaborated on numerous projects worldwide, delivering innovative and high-quality medical solutions to improve patient care
<https://www.baatmedical.com/>
Keywords: Medical device development, orthopedic implants, ISO 13485 compliance, product design, engineering services, clinical evaluation, FDA 510(k), biocompatibility testing

- **BENCH:** Benchmark Electronics is a global provider of product design, engineering services, technology solutions, and advanced manufacturing. With over 40 years of experience in the medical sector, they specialize in developing complex medical devices, offering extensive expertise in connected medical devices, consumables, and high-performance diagnostics.

www.bench.com

Keywords: Product realization, medical technologies, design engineering, advanced manufacturing, lifecycle management, precision machining, full-system electronic assembly, supply chain optimization
- **Bond3D:** Bond3D specializes in 3D printing high-performance polymers, particularly PEEK (polyetheretherketone), which is known for its exceptional strength, thermal stability, and chemical resistance. Their unique pressure-controlled, voidless printing technology enables the production of highly precise and reliable parts suitable for critical applications in the medical field, such as spinal implants and other orthopedic devices. Bond3D's innovative approach enhances the functional performance and biocompatibility of medical devices, contributing significantly to advancements in medical technology and patient care.

www.bond3d.com

Keywords: 3D printing, PEEK polymers, spinal implants, cranial implants, additive manufacturing, voidless printing, medical devices, high-performance materials
- **CD Leycom:** CD Leycom specializes in the design and development of medical devices for real-time hemodynamic monitoring, focusing on pressure-volume (PV) loop systems. Their advanced technology provides continuous, high-fidelity measurements of cardiac function, enabling detailed assessment of ventricular performance. Widely recognized as the gold standard in cardiac function evaluation, CD Leycom's PV loop systems are crucial tools for both clinical and research applications, aiding in the diagnosis and treatment of cardiovascular diseases.

<https://www.cdleycom.com/>

Keywords: Pressure-volume loops, cardiac function monitoring, PV loop catheters, heart failure diagnosis, cardiac resynchronization therapy, structural heart interventions, real-time data, mechanical circulatory support
- **Clinical Trial Service:** Clinical Trial Service (CTS) is an independent Contract Research Organization (CRO). CTS offers comprehensive clinical trial management services, including Clinical Operations and Home Care Services, to support medical-scientific research globally. With extensive experience and a robust network of local partners, CTS ensures effective trial execution and patient care, contributing to the advancement of medical research and innovation.

<https://clinicaltrialservice.com/>

Keywords: Clinical trials, patient recruitment, home care services, protocol setup, medical-scientific research, global operations, regulatory compliance, trial management
- **DE Design:** D'Andrea & Evers Design (DE Design) is a product development agency specializing in innovative and user-centered design solutions across various industries, including medical technology. Their expertise encompasses the entire design process, from initial concept to final product.

<https://de-design.nl/>

Keywords: Industrial design, medical product development, ergonomic design, user experience, sustainable solutions, pre-production engineering, product innovation, graphical user interfaces
- **Convergence:** Convergence Industry specializes in designing and producing customized measurement and control systems for liquids and gases. Their solutions are tailored to meet specific client needs, offering precise and reliable fluid management for various industrial applications, including the medical sector.

www.con-vergence.com

Keywords: Fluid measurement, control systems, membrane characterization, flow control, gas supply, ultrafiltration,

pilot systems, custom solutions

- **Delta Life Science:** Delta Life Science specializes in label-free, multiplexed biosensing technology, utilizing photonic integrated circuits to accelerate research in life sciences. Their innovative solutions provide real-time, direct detection of biomolecular interactions, significantly speeding up assay development and data collection. By making high-performance biosensing more affordable, Delta Life Science aims to democratize access to advanced research tools, benefiting fields such as drug development, biomarker validation, and academic research.
<http://www.deltalifescience.nl>
Keywords: Label-free biosensing, photonic integrated circuits, real-time detection, biomolecular interactions, drug development, multiplexing, cost-effective, high sensitivity
- **Demcon:** Demcon is a leading technology company that develops and produces high-end systems and products for various markets, including medical devices, defense, and energy. They focus on creating innovative solutions that address complex technological challenges, enhancing both social and industrial impact
www.demcon.com
Keywords: Medical devices, diagnostics, life sciences, engineering services, product development, high-tech systems, innovation, regulatory compliance
- **Elect:** Elect High-Tech Electronics specializes in the assembly and production of high-quality PCBs, substrates, modules, and complete systems. With over 30 years of experience, in various industries, including communication, medical, military, and portable devices.
<https://elect.nl/>
Keywords: High-performance electronics, PCB assembly, module assembly, system assembly, cleanroom microelectronics, SMT technology, wire bonding, electronic testing
- **Encytos:** Encytos specializes in advanced cell culture platforms for research, drug testing, and personalized medicine. Their innovative technology features an inorganic topographic structured surface, promoting rapid cell attachment and growth without the need for extracellular matrix molecules. This platform supports higher safety against contamination, advanced stem cell growth, and differentiation, making it ideal for in vitro cell models and primary cell cultures.
<https://encytos.com/>
Keywords: Advanced cell culture, drug testing, personalized medicine, topographic structured surface, rapid cell attachment, stem cell growth, contamination prevention, in vitro models
- **Evidencio:** Evidencio enables clinical use of AI algorithms as certified medical devices. They provide tools for integrating AI into healthcare practices, improving diagnostic and treatment accuracy. Their platform supports evidence-based decision-making in clinical settings.
<https://www.evidencio.com/>
Keywords: AI algorithms, predictive analytics, machine learning, healthcare optimization, clinical decision support, data-driven insights, personalized medicine, real-time diagnostics
- **FISIC:** Fistic specializes in developing Lab-on-a-Chip technology for medical applications. Their flagship product, the Medimate, allows for rapid and accurate measurement of various blood parameters, including lithium and creatinine levels, from a single drop of blood.
<https://www.fisic.com>
Keywords: Point-of-care testing, Medimate device, real-time monitoring, lithium blood levels, chronic disease management, mobile diagnostics, patient self-testing, telehealth solutions
- **FlowBeams:** FlowBeams specializes in needle-free injection technology that promises to transform the pharmaceutical and cosmetics industries. Their innovative method uses high-speed liquid jets to deliver drugs and other substances through the skin without the need for

traditional needles. This approach not only enhances patient comfort and compliance but also ensures precise and efficient delivery of medications

Keywords: Needleless injection, photonics technology, laser-induced, medical precision, drug delivery, superficial injections

- **Flux Robotics:** Flux Robotics specializes in developing advanced robotic systems for endovascular procedures. Their flagship product, the Flux One system, uses magnetic navigation to assist surgeons in positioning stents with greater precision, reducing procedure time and improving patient outcomes. The company aims to make surgical technology more accessible and affordable, enhancing the efficiency and safety of minimally invasive surgeries
<https://www.fluxrobotics.nl/>
Keywords: Medical robotics, magnetic navigation, stent implantation, minimally-invasive, surgical precision, vascular surgery, reduced X-ray exposure, automatic positioning
- **Gable Systems:** Gable Systems specializes in advanced inertial measurement units (IMUs) and navigation systems, particularly for EtherCAT networks. Their products include the Gable CORE™, a gait and balance rehabilitation robot designed to improve the quality and cost-effectiveness of therapy through innovative technology. This medical robot, alongside their high-precision IMUs and navigation solutions, underscores their commitment to enhancing both medical and industrial applications with cutting-edge sensor technology and robotic solutions.
<https://gable-imu.nl/>
Keywords: Medical robotics, gait and balance therapy, rehabilitation robot, EtherCAT sensors, precision navigation, human-robot interaction, clinical integration, sensor solutions
- **Gannet Implant:** Gannet Implant specializes in developing innovative surgical implants designed for the fixation of femoral neck fractures. Their unique implant design combines rotational stability with a low implant volume, allowing patients to walk shortly after surgery and reducing the risk of complications. By enhancing both mechanical stability and clinical outcomes, Gannet Implant aims to improve the recovery process for patients with femoral neck fractures.
<https://gannetimplant.com/>
Keywords: Femoral neck fracture, dynamic compression, fracture fixation, subchondral bone, surgical implant, rotational stability, re-intervention rates, bone healing
- **GrowthMedics:** GrowthMedics specializes in global sales development for medical device companies, helping them expand their reach into European, Middle Eastern, and North African markets. They offer comprehensive services including market research, regulatory compliance, and tailored sales strategies to ensure successful market entry and growth.
<https://growthmedics.com/>
Keywords: Global sales development, medical devices, market entry, regulatory compliance, international growth, distribution network, healthcare IT, market validation
- **Hankamp Rehab:** Hankamp Rehab develops, produces, and distributes innovative rehabilitation products designed to enhance the recovery process for patients. Their product range includes advanced assistive technologies and robotics aimed at improving mobility and functional independence.
<https://www.hankamprehab.nl/>
Keywords: Rehabilitation technology, cognitive therapy, movement sensors, upper extremity, lower extremity, gait and balance, robotic rehabilitation, ISO 13485 certification
- **Hemabo:** Hemabo specializes in precision plastic processing for the medical and biomedical industries, providing custom-made tools and components for hospitals and medical equipment manufacturers. They use high-quality, certified materials to ensure the safety and effectiveness of their products, which include surgical instruments and diagnostic devices.

www.hemabo.nl

Keywords: Medical plastics, precision machining, custom solutions, semi-finished products, advanced measuring, technical support, high-quality manufacturing, specific applications

- **Holland Innovative:** Holland Innovative specializes in providing comprehensive support for medical device development, focusing on project management, quality assurance, and regulatory compliance. They offer tailored training programs and consulting services to help medical technology companies navigate complex regulatory frameworks and optimize their product development processes.

<https://www.holland-innovative.nl/>

Keywords: Project management, product development, process development, reliability engineering, MedTech innovation, data science, training and consultancy, regulatory compliance

- **Huka:** Huka develops and manufactures mobility aids, including the innovative Pendel wheelchair scooter, which provides an alternative to traditional vehicles for individuals with mobility challenges. Their products are designed to enhance independence and quality of life for users, offering solutions such as electric tricycles and customized bicycles that are tailored to meet specific medical needs.

<https://www.huka.nl/>

Keywords: Adaptive bicycles, mobility solutions, tricycles, tandems, wheelchair bikes, electric support, ergonomic design, Dutch quality

- **Humeca:** Humeca is a leading company in the field of burn surgery, specializing in innovative skin transplantation products. Their offerings include the MEEK micrografting technique, battery-powered dermatomes, and a range of surgical tools designed to improve the treatment and recovery of burn patients.

<https://humeca.com/>

Keywords: Skin grafting, burn treatment, MEEK micrograft, dermatomes, surgical tools, skin transplantation, infection prevention, wound healing

- **HY2Care:** Hy2Care is focused on developing innovative hydrogel implants for cartilage repair. Their flagship product, CartRevive™, utilizes a unique hydrogel technology designed to fill and repair cartilage defects, promoting natural tissue regeneration and preventing further joint damage.

www.hy2care.nl

Keywords: Hydrogel implants, cartilage repair, joint tissue, FDA Breakthrough Device, knee injuries, functional recovery, minimally invasive, regenerative medicine

- **IamFluidics:** IamFluidics specializes in the production of monodisperse microparticles using their innovative in-air microfluidics technology, which is particularly beneficial for medical applications. Their technology allows for precise control over particle size, shape, and composition, enabling the development of advanced drug delivery systems and diagnostic tools.

www.iamfluidics.com

Keywords: Microencapsulation, microfluidics, drug delivery, biodegradable materials, controlled release, cell culture, targeted therapy, sustainable solutions, high-throughput production

- **IBIS Technologies:** IBIS Technologies specializes in Surface Plasmon Resonance (SPR) imaging systems used for detailed biomolecular interaction analysis. Their flagship product, the IBIS MX96, allows for high-throughput screening and characterization of interactions between proteins, antibodies, and other biomolecules, making it invaluable in drug discovery and medical diagnostics.

www.ibis-spr.nl

Keywords: SPR imaging, multiplex detection, protein interaction, affinity ranking, epitope mapping, COVID-19

antibody, biosensor technology, high-throughput screening

- **IDE Partners:** IDE Partners specializes in designing and developing medical products with a strong focus on user experience, compliance with medical standards, and regulatory certification. Their expertise includes creating innovative medical devices that enhance patient care and improve the efficiency of healthcare professionals.

www.idepartners.nl

Keywords: Industrial design, engineering, medical devices, product development, ergonomic solutions, user experience, innovation, technical feasibility

- **INDES:** Indes specializes in the development, design, and production of intuitive and ergonomic products, with a strong emphasis on healthcare. They provide innovative solutions for medical treatment, rehabilitation, and mobility, enhancing patient care and improving the efficiency of healthcare providers. Indes' product portfolio includes advanced wheelchair technologies, lifting aids, and custom medical devices.

www.indes.eu

Keywords: Medical product development, ergonomic design, mobility solutions, power assist technology, healthcare innovation, intuitive support, user-centric approach, product lifecycle management

- **Inreda Diabetic:** Inreda Diabetic specializes in the development of a bi-hormonal artificial pancreas system designed to autonomously regulate blood glucose levels for individuals with diabetes. Their advanced device continuously monitors glucose levels and administers insulin or glucagon as needed, providing precise and real-time blood glucose management.

www.inredadiabetic.nl

Keywords: Artificial pancreas, diabetes management, glucose regulation, insulin delivery, continuous monitoring, hybrid closed-loop system, patient quality of life, automated control

- **Interfluidics:** Interfluidics specializes in developing label-free biomolecular interaction sensing technologies. Their expertise includes prototyping fluidic systems and photonic instrumentation, leveraging advanced technologies such as 3D printing and hot embossing.

<http://interfluidics.com/>

Keywords: Microfluidics, cell secretion detection, immunospot layer imaging, cancer diagnostics, 3D imaging technology, cytokine profiling, immune response analysis, single-cell secretome

- **JJ-MEDTECH:** JJ-MEDTECH specializes in providing advanced diagnostic technologies and equipment, focusing primarily on urology, radiology, and radiotherapy. They offer a range of high-quality products, including the JJ-MEDTECH Biopsy Suite™ for transperineal prostate biopsies, which enhances precision and patient comfort.

www.jj-medtech.nl

Keywords: Urology diagnostics, radiology products, biopsy guns, medical phantoms, wireless ultrasound, prostate cancer, transperineal procedures, ISO 13485 certification

- **Kyeron:** Kyeron is a Dutch biomaterials company that develops advanced medical solutions for orthopedic, neurosurgical, and dental applications. Their product portfolio includes SYNOZ® and SYNOZ ONE®, intra-articular injections designed to alleviate pain and stiffness in synovial joints, and POWERCOL®, a hemostatic collagen for effective blood clotting.

<https://www.kyeron.nl/>

Keywords: Biomaterials, bone grafting, joint regeneration, wound management, CE-marked, orthopedic applications, neurosurgical procedures, ISO 13485 compliance

- **Laborie Medical:** Laborie Medical Measurement Systems B.V. specializes in diagnostic and therapeutic medical devices for urology, urogynecology, and gastrointestinal disorders. They offer advanced solutions such as urodynamic systems, pelvic floor rehabilitation devices, and gastroenterology diagnostic tools, which are designed to improve patient outcomes and streamline clinical workflows

<https://www.laborie.com/location/laborie-medical-measurement-systems-bv/>

Keywords: Urodynamics systems, gastroenterology diagnostics, obstetrics products, gynecology solutions, neonatal care, catheter systems, rupture membrane tests, non-invasive monitoring

- **Laeq Health:** Laeq Health specializes in low-level laser therapy (LLLT) devices designed for home use, focusing on photobiomodulation (PBM) to enhance overall health and well-being. Their primary product, the Laeq Health 3.0, uses monochromatic light to improve blood flow, boost the immune system, and accelerate recovery processes.
<https://laeqhealth.com/>
Keywords: Low-level laser therapy, photobiomodulation, chronic disease management, immune system support, pain relief, home use, non-invasive treatment, health improvement
- **LFT Online:** LFT provides comprehensive solutions for foot specialists, focusing on the analysis and treatment of foot conditions in patients such as diabetics, rheumatic patients, athletes, and children. Their advanced tools, including 2D and 3D foot scanners and custom insoles, allow for precise and efficient foot assessments and personalized treatments.
<https://lftonline.com/>
Keywords: Custom insoles, foot scanning, pressure measurement, orthopedic solutions, diabetic foot care, personalized treatment, rapid production, podiatry software
- **Lionix International:** Lionix International specializes in developing customized microsystem solutions, particularly Photonic Integrated Circuits (PICs) and Micro-Electro-Mechanical Systems (MEMS) for medical applications. Their proprietary TriPleX™ technology enables high-performance photonic devices used in advanced medical diagnostics and therapeutic tools. By integrating their expertise in design, fabrication, and packaging, Lionix International provides innovative and reliable solutions to enhance the capabilities of medical devices
<https://www.lionix-international.com/>
Keywords: Photonic integrated circuits, MEMS technology, custom microsystems, vertical integration, silicon nitride waveguides, biomedical applications, advanced packaging, scalable production
- **Lipocoat:** Lipocoat develops advanced, bio-inspired coatings designed to enhance the safety, comfort, and performance of medical devices. Their patented technology mimics natural cell membranes to provide biocompatible and anti-fouling properties, significantly reducing the risk of infections and improving patient outcomes. Lipocoat's coatings are applied to various medical devices, including catheters and contact lenses.
<https://www.lipocoat.com>
Keywords: Bio-inspired coatings, medical devices, anti-biofouling, anti-thrombogenic, self-repairing, hydrophilic surfaces, infection control, FAST technology
- **Locsense:** Locsense specializes in providing non-invasive, real-time monitoring solutions for cell health using their flagship device, the Locsense Artemis. Their technology includes TEER and impedance spectroscopy to assess the barrier integrity of cells, offering a cruelty-free alternative to animal testing. This innovative approach supports groundbreaking discoveries in fields such as cosmetics, pharmaceuticals, and food industries by enabling precise measurements of cell health and barrier function
<https://locsense.nl>
Keywords: TEER measurements, impedance spectroscopy, cell barrier integrity, real-time monitoring, non-invasive, automated analysis, transwell plates, microfluidic chips
- **Machnet Robotics:** Machnet Robotics focuses on developing advanced, minimally invasive MRI-guided robotic systems for medical procedures. Their technology aims to enhance the accuracy and safety of biopsies and other surgical interventions by integrating real-time imaging with precise robotic control.
<https://machnet-robotics.com/>
Keywords: Image-guided interventions, robotic surgery, minimally invasive, real-time imaging, standardization,

medical robotics, surgical precision, healthcare democratization

- **Maxon Group:** Maxon Group specializes in providing high-precision drive systems and components specifically designed for medical technology applications. Their products include DC and BLDC motors, gearheads, sensors, and controllers, all engineered to meet the stringent requirements of medical devices such as surgical robots, prosthetics, and infusion pumps.

<https://www.maxongroup.nl/maxon/view/content/medical>

Keywords: Medical drive systems, surgical robotics, active implants, infusion pumps, prosthetics, precision control, high-performance motors, ISO 13485 certification

- **Mediate Medical:** Mediate Medical is a pioneering company specializing in wireless bladder volume scanners, offering the world's first wireless and rechargeable Bladder Volume Scanner. Their BVS Pro device provides quick, accurate, and non-invasive bladder volume measurements, making it an essential tool for diagnosing and managing urinary outflow dysfunction.

www.mediatemedical.nl

Keywords: Wireless bladder scanner, bladder volume measurement, portable device, urology diagnostics, non-invasive, real-time imaging, data integration, clinical efficiency

- **Medlon:** Medlon, part of Unilabs, specializes in providing comprehensive medical diagnostics services. Their offerings include blood tests, urine tests, and various other diagnostic procedures essential for patient care and medical research.

www.medlon.nl

Keywords: Medical diagnostics, blood tests, laboratory services, Unilabs, anticoagulation care, patient self-testing, clinical analytics, diagnostic innovation

- **Medspray:** Medspray specializes in the development of innovative spray nozzle technologies for pharmaceutical applications, focusing on creating fine mist sprays for inhalation therapies. Their proprietary nozzles are designed to deliver medications efficiently to the lungs, improving the efficacy of treatments for respiratory conditions.

<https://medspray.com/>

Keywords: Soft mist inhalers, propellant-free, drug delivery, inhalation therapy, nozzle technology, fine mist spray, respiratory health, sustainable solutions

- **Micronit:** Micronit specializes in the development and manufacturing of advanced microfluidic products and lab-on-a-chip solutions for medical applications. Their innovative technologies enable precise control and manipulation of fluids on a microscale, facilitating the development of diagnostic tools and personalized medicine. By offering comprehensive design, prototyping, and production services, Micronit supports the creation of cutting-edge medical devices.

<https://www.micronit.com/>

Keywords: Microfluidic products, lab-on-a-chip, prototyping, diagnostic tests, life sciences, high-throughput manufacturing, custom microfluidics, consumables

- **Mimetas:** MIMETAS specializes in creating human organ-on-a-chip models that replicate human biology for drug discovery and development. Their advanced 3D tissue models facilitate phenotypic screening, preclinical research, and therapeutic innovation by providing physiologically relevant environments. MIMETAS aims to reduce reliance on animal models, enhance translatability, and support global pharmaceutical and biotech companies in developing more effective therapies

www.mimetas.com

Keywords: Organ-on-a-chip, 3D tissue models, phenotypic screening, preclinical research, drug discovery, human disease models, high-throughput, reducing animal testing

- **Minivalve:** Minivalve International specializes in the design, manufacturing, and distribution of miniature elastomeric valve components and rubber valves. Their products, including check valves, duckbill valves, umbrella valves, and custom silicone rubber parts, are used in various medical applications. Minivalve supports the healthcare industry by providing innovative solutions for fluid control in medical devices.

<https://www.minivalve.com>

Keywords: Elastomeric valves, miniature check valves, medical devices, fluid control, precision components, custom valve solutions, duckbill valves, umbrella valves
- **Mofixx:** Mofixx specializes in improving the ergonomics and cost efficiency of minimally invasive surgery through their innovative laparoscope holders and instrument positioners. These products enhance surgical precision, reduce the number of required personnel, and improve working conditions for both surgeons and operating room assistants.

<https://www.mofixx.com>

Keywords: Ergonomic surgery, minimally invasive, laparoscope holder, instrument positioner, surgical precision, cost efficiency, operating room, CE-approved
- **Moovd:** Moovd focuses on enhancing mental health therapy through its digital platform, WeMind, which integrates innovative technologies like Remote EMDR to improve therapeutic outcomes. By leveraging digital tools, Moovd aims to make therapy sessions more efficient and accessible, reducing session time and increasing treatment effectiveness. Their solutions cater to healthcare professionals, companies, and educational institutions, aiming to advance mental health care worldwide.

<https://moovd.nl/>

Keywords: Digital mental health, EMDR therapy, remote therapy, WeMind platform, clinician support, trauma treatment, patient engagement, session efficiency
- **Movella:** Movella provides cutting-edge motion capture technology and sensor-based solutions for the healthcare industry, enabling advanced patient assessments and therapeutic interventions and offering accurate and objective data for clinical evaluations. Additionally, Movella's technology supports innovative applications like Neckcare's motion analysis for neck mobility and AKLOS Health's physiotherapy solutions, making advanced medical assessments and personalized therapy more accessible

<https://www.movella.com/>

Keywords: Motion capture, sensor modules, wearable technology, health and sports, rehabilitation, movement analysis, 3D motion tracking, digital health
- **Nanomi:** Nanomi, a part of the Lupin group, specializes in developing advanced microsphere and nanoparticle technologies for controlled long-acting release medications. Their proprietary Microsieve technology enables the production of highly controlled and reproducible microspheres, enhancing patient compliance and therapeutic efficacy by providing easier and less painful injections with smaller needles. These innovations cater to various medical fields, ensuring optimal therapeutic benefits and reducing side effects through precise control over drug release profiles.

<https://www.nanomi.com>

Keywords: Controlled release, microsphere technology, nanoparticle technology, long-acting medication, patient compliance, biodegradable particles, therapeutic efficacy, injection convenience
- **Occam Diagnostics:** OccamDx specializes in advanced diagnostic solutions using nanotechnology, focusing on the detection and quantification of pathogens in bodily fluids with exceptional sensitivity. Their Lab-on-a-chip nanobiosensor provides real-time, specific, and cost-effective pathogen detection, simplifying diagnostic processes and enabling immediate, accurate patient management. This technology supports point-of-care testing and ensures

efficient communication between clinicians and laboratories.

<https://www.occamdx.com>

Keywords: Nanotechnology diagnostics, pathogen detection, point-of-care testing, lab-on-a-chip, single virus detection, real-time data, cloud communication, electronic biosensor

- **OCON Medical:** OCON is a specialized orthopedic and sports medical clinic providing comprehensive high-quality care. Their team of experts, including orthopedic surgeons and anesthesiologists, offers advanced surgical procedures and continuous monitoring to ensure optimal outcomes.
<https://www.ocon.nl>
Keywords: Orthopedic care, sports medicine, specialized surgeons, patient-centered, high-quality care, surgical procedures, rehabilitation, comprehensive services
- **Orthros Medical:** Orthros Medical is a Dutch biotech company focusing on developing VHH-based therapeutics and diagnostics for human and animal health. Their primary medical focus is on creating new local treatments for osteoarthritis using single-chain antibodies, which offer unique properties for innovative therapeutic solutions.
<https://orthros-medical.com>
Keywords: VHH antibodies, osteoarthritis treatment, local therapeutics, diagnostic development, single-chain antibodies
- **Osasense:** OSAsense provides an innovative, clinically validated screening tool for obstructive sleep apnea (OSA). Their technology involves a home-based nocturnal oxygen saturation measurement combined with actigraphy and an online questionnaire to capture patient symptoms. OSAsense generates automated reports for healthcare providers, enabling rapid, accurate, and patient-friendly diagnosis.
<https://osasense.com>
Keywords: Sleep apnea screening, nocturnal oxygen saturation, actigraphy, online questionnaire, automated reports, clinical validation, home-based testing, rapid diagnosis
- **PA Imaging:** PA Imaging specializes in developing advanced photo-acoustic mammography technology for breast cancer screening, aiming to provide painless and accurate diagnostics for women of all ages. Their third-generation device integrates 3D photo-acoustics with ultrasound, enhancing imaging depth and accuracy to improve early detection and diagnosis of breast cancer.
<https://pa-imaging.com/>
Keywords: Photo-acoustic mammography, painless breast cancer screening, 3D ultrasound, young women suitability, improved image depth, early detection, non-invasive, advanced diagnostics
- **Parker Laboratories:** Parker Laboratories is a global leader in manufacturing and marketing ultrasound and electromedical accessories and supplies. They offer a comprehensive range of products, including ultrasound gels, lotions, and cleaners, designed to enhance diagnostic and therapeutic procedures.
<https://www.parkerlabs.com>
Keywords: Ultrasound accessories, electromedical supplies, ultrasound gels, lotion cleaners, infection control, diagnostic tools, high-quality manufacturing, ISO 13485
- **PCV Group:** PCV Group offers end-to-end product development services, focusing on medical devices and technologies. They leverage multidisciplinary expertise in system technologies, project management, and mechatronics to deliver innovative solutions for healthcare challenges.
<https://www.pcvgroup.com>
Keywords: End-to-end product development, medical devices, system technologies, multidisciplinary expertise, mechatronics, project management, innovation, high-tech solutions

- **Perteon:** Perteon specializes in designing and providing custom seating and lying solutions for individuals with complex physical disabilities. They focus on achieving the optimal balance between support, freedom of movement, and comfort, enhancing the quality of life for users by addressing pain and posture issues.
<https://perteon.nl/>
Keywords: Custom seating, physical disabilities, orthopedic solutions, ergonomic design, pain relief, posture support, mobility aids, tailored adaptations
- **PHIX:** PHIX specializes in the assembly and packaging of photonic integrated circuits (PICs), providing solutions for medical device applications. They offer comprehensive services from prototype development to high-volume manufacturing, integrating PICs with optical fibers and electronics to ensure precise and scalable production.
<https://www.phix.com>
Keywords: Photonic integrated circuits, PIC packaging, MEMS technology, hybrid integration, medical applications, scalable production, custom solutions, fiber-to-chip modules
- **Pita Medical:** Pita Medical specializes in developing innovative treatments for hemorrhoid-related issues, offering products such as the Hemorcool® stick and cream. These clinically proven medical devices provide effective relief for both internal and external hemorrhoids, adhering to CE guidelines and medical standards. Based in the Netherlands, Pita Medical aims to alleviate discomfort associated with hemorrhoids through high-quality, accessible treatments, distributing their products worldwide.
<https://pitamedical.com/>
Keywords: Hemorrhoid treatment, Hemorcool stick, Hemorcool cream, clinically proven, non-invasive, immediate relief, high-quality products, worldwide distribution
- **Power Packer:** Power-Packer provides high-quality manual-hydraulic and electro-hydraulic actuators for medical applications, enhancing patient safety and care. Their products, such as actuators for hospital beds, patient trolleys, and operating tables, offer reliable and smooth operation, ensuring optimal comfort for patients and efficiency for healthcare professionals.
<https://www.power-packer.com/medical/>
Keywords: Manual-hydraulic actuators, electro-hydraulic actuators, medical applications, hospital beds, patient trolleys, ergonomic design, precision control, reliable performance
- **Pre-Tec** Pre-Tec specializes in ergonomic solutions for physically demanding work environments, offering a range of exoskeletons and braces designed to reduce physical strain and improve worker safety. Their products are tailored for various sectors, including healthcare, where they help medical professionals perform tasks with reduced risk of injury.
<https://www.pre-tec.nl/>
Keywords: Exoskeletons, ergonomic support, physical labor, medical specialists, posture improvement, injury prevention, customized solutions, rehabilitation aids
- **RdgKompagne:** rdgKompagne is a leading provider of communication aids and adaptive control solutions for people with disabilities. They offer a wide range of products, including speech communication devices, environmental control systems, and educational tools. Their services include personalized consultations, workshops, and custom adaptations to ensure that individuals can effectively communicate and live more independently. Collaborating with healthcare professionals and insurers, rdgKompagne focuses on enhancing quality of life through innovative and user-friendly assistive technologies.
<https://rdgkompagne.nl>
Keywords: Communication aids, adaptive control, speech devices, environmental control, educational tools, personalized consultations, workshops, custom adaptations

- **River Biomedics:** River BioMedics focuses on cardiac drug discovery using advanced 3D human cardiac models. They combine expertise in cardiac biology, bio-engineering, and human induced pluripotent stem cells (hiPSC) to develop in vitro models like the 3D Cardiac Strip, Heart-on-a-Chip, and Mini-Heart. These models provide clinically relevant data for high-throughput screening, aiming to develop novel therapies directly targeting the heart muscle and addressing high unmet medical needs in cardiovascular diseases.

<https://riverbiomedics.com/>

Keywords: Cardiac drug discovery, 3D cardiac models, human iPSC technology, heart muscle targeting, high-throughput screening, in vitro models, cardiovascular disease, bio-engineering
- **Roessingh Research and Development:** Roessingh Research and Development (RRD) conducts scientific research on innovative healthcare technologies with a focus on user-centric design. Their work encompasses rehabilitation, sports, and healthy aging, aiming to enhance prevention, self-management, and societal participation. Utilizing facilities such as a motion lab, usability lab, and user panels, RRD collaborates closely with patients and healthcare providers to develop practical, technology-based care solutions that can be effectively integrated into both clinical and home environments.

www.rrd.nl

Keywords: Innovative healthcare technology, user-centric design, rehabilitation, sports health, healthy aging, co-creation, usability testing, clinical validation
- **Roessingh Revalidatie Techniek:** Roessingh Revalidatie Techniek (RRT) is a leading provider of orthopedic and rehabilitation products, including prosthetics, orthotics, orthopedic shoes, therapeutic elastic stockings, and mamacare products. They offer personalized care and advanced solutions to improve mobility and quality of life for individuals with physical limitations. RRT collaborates with healthcare professionals to ensure optimal fitting and functionality of their products, supporting patients through state-of-the-art facilities and extensive expertise.

<https://www.rrt.nl>

Keywords: Orthopedic devices, prosthetics, orthotics, custom footwear, therapeutic elastic stockings, mamacare products, rehabilitation technology, patient care
- **Salvitat:** Salvitat develops user-friendly self-testing solutions that combine proven technologies for home-based health monitoring and diagnostics. Their system includes the reusable Mykee reader, a smart app, and a cloud-based data management system, allowing individuals to conduct minimally invasive tests from home with lab-quality results.

<https://salvitat.com/>

Keywords: Self-testing solutions, Mykee reader, smart app, cloud-based data management, home health monitoring, minimally invasive, lab quality, ecological footprint
- **Scartec Therapeutics:** ScarTec Therapeutics is a biotech company developing innovative peptide-based drugs targeting fibrotic diseases and pancreatic cancer. By inhibiting integrin receptors, their therapies aim to reduce fibrosis and improve the efficacy of chemotherapy. With a focus on preclinical and early clinical development, ScarTec leverages advanced research to address unmet clinical needs in treating fibrosis and tumor stroma.

<https://scartec-therapeutics.com/>

Keywords: Tumor fibrosis, cancer therapy, CAF cells, collagen secretion, tumor microenvironment, T-cell infiltration, drug access, proprietary platform
- **Sencure:** Sencure specializes in developing innovative chip technology for medical wearable applications, focusing on advanced vital signs monitoring solutions. Their products, such as the SNCE800 chip, are used in remote monitoring, in-hospital diagnostics, and consumer health tracking devices. Sencure collaborates with global partners to create next-generation medical wearables that combine high performance, safety compliance, and user-friendly

design, enhancing patient care and health monitoring.

<https://sencure.com/>

Keywords: Medical wearables, chip technology, vital signs monitoring, electrophysiology, remote monitoring, patch sensors, fetal monitoring, COPD management

- **Smart Compounders:** SmartCompounders specializes in developing automated pharmacy compounding solutions to enhance the efficiency and precision of medication preparation. Their product line includes the SmartCompounders Chemo and EasyCompounder, which automate the preparation of chemotherapy drugs and various other medications, respectively. By integrating advanced technology into pharmacy operations, SmartCompounders aims to reduce workload, improve safety, and ensure consistent, high-quality pharmaceutical compounding.

<https://www.smartcompounders.com/>

Keywords: Pharmacy automation, chemo preparation, compounding solutions, EasyCompounder, efficiency, precision, syringe filling, cleanroom tools

- **Solstice Pharma:** Solstice Pharmaceuticals specializes in developing, manufacturing, and commercializing innovative ultrasound contrast agents for enhanced diagnostic imaging. Their flagship product, Harmono-T®, features uniform lipid-coated gas-filled microbubbles that improve the clarity and diagnostic value of ultrasound images. Paired with their Activation Station, which prepares the contrast agent at the patient's bedside, Solstice aims to provide high-quality, efficient, and patient-friendly diagnostic solutions.

<https://solsticepharma.com/>

Keywords: Ultrasound contrast agents, diagnostic imaging, Harmono-T®, uniform microbubbles, intravenous contrast, Activation Station, CEUS technology, patient-friendly procedures

- **Sowecare:** Sowecare specializes in developing and manufacturing mobility aids, particularly trippel chairs and wheelchairs, designed to enhance comfort, ease of use, and ergonomic support. Their products aim to help individuals maintain independence and mobility, allowing them to stay in their familiar environments longer.

<https://www.sowecare.nl/>

Keywords: Custom wheelchairs, trippel chairs, ergonomic design, mobility aids, user independence, comfort, ISO 13485 certification, continuous product improvement

- **Teledyne DALSA:** Teledyne DALSA is a global leader in high-performance digital imaging and semiconductor technology, specializing in the design and manufacturing of MEMS (Micro-Electro-Mechanical Systems) and imaging solutions. Their MEMS fabrication services support applications in the medical field, including advanced sensors and diagnostic devices. Teledyne DALSA's technologies enhance medical imaging, offering precise, reliable, and innovative solutions for healthcare diagnostics and monitoring.

<https://www.teledynedalsa.com/en/home/>

Keywords: High-performance imaging, semiconductor technology, medical diagnostics, MEMS fabrication, digital X-ray detectors, CMOS sensors, optical networking, microbolometer technology

- **The Next Wheelchair:** The Next Wheelchair, branded as EZER, offers an innovative standing wheelchair that uses weight-adjusted gas pistons for effortless transition between sitting and standing positions without motors. Designed to enhance mobility and social interaction, this wheelchair allows users to stand and move independently, promoting greater freedom and quality of life.

<https://www.thenextwheelchair.com/>

Keywords: Standing wheelchair, weight-adjusted gas pistons, enhanced mobility, social interaction, minimal-force transitioning, pre-order, independence, no motors

- **TMSi:** TMSi specializes in developing advanced measurement solutions for human electrophysiology research, including products like EEG and EMG systems. Their technology

is used in various medical applications, such as monitoring neurological disorders, cognitive performance, and muscle activity.

<https://www.tmsi.com/>

Keywords: Electrophysiology research, EEG systems, EMG systems, neurological monitoring, high-density amplifiers, wearable sensors, data acquisition, scientific software

- **U-Needle:** Uneedle specializes in the design and manufacturing of silicon microneedles for medical applications, offering solutions for intradermal and suprachoroidal injections. Their products, such as the Bella-mu and Bella-Vue, facilitate precise and reliable drug delivery, enhancing therapeutic outcomes for vaccines and ophthalmic treatments. Uneedle's technology is CE marked and FDA approved, leveraging semiconductor manufacturing processes to ensure high-quality, safe, and effective medical devices.

<https://www.uneedle.com/>

Keywords: Silicon microneedles, intradermal injection, suprachoroidal injection, ophthalmic therapies, cancer vaccines, mRNA delivery, CE marked, FDA approved
- **Unitron:** Unitron specializes in designing, prototyping, and manufacturing advanced life science and medical devices. With over 30 years of experience, they develop complex mechatronic and electronic equipment for applications in anesthesia, ophthalmology, oncology, and diagnostics. Unitron supports clients from initial design through to certification and mass production, ensuring high-quality, market-ready medical innovations.

<https://www.unitron.nl/>

Keywords: Life sciences, medical devices, complex mechatronics, product development, regulatory compliance, prototyping, production, technical expertise
- **Vernay:** Vernay specializes in fluid control solutions for medical devices, offering a wide range of custom-engineered components such as check valves, flow controls, and diaphragms. Their products are designed to meet rigorous regulatory standards and ensure reliable performance in critical medical applications like blood management, cardiopulmonary systems, and diagnostic imaging. With over 65 years of experience, Vernay partners with leading medical OEMs to deliver high-quality, innovative solutions tailored to specific medical needs.

<https://vernay.com/markets/medical/>

Keywords: Fluid control solutions, medical devices, blood management, cardiopulmonary systems, diagnostic imaging, IV therapy, enteral feeding, custom engineering
- **Vivica:** Vivica provides a multidisciplinary platform for lifestyle coaching and home monitoring, tailored for hospitals, care groups, and healthcare professionals. Their system includes a comprehensive dashboard and app, integrating modules for physical activity, nutrition, relaxation, sleep, smoking cessation, and alcohol management. Designed to support various medical fields, Vivica enhances patient engagement, facilitates data sharing among healthcare providers, and supports personalized, evidence-based care pathways.

<https://vivica.nl/>

Keywords: Lifestyle coaching, home monitoring, multidisciplinary platform, hospital integration, health improvement, BRAVOS modules, personalized care, data sharing
- **Vycap:** VyCAP provides advanced solutions for isolating, enumerating, and analyzing rare single cells, particularly for applications in cancer research and diagnostics. Their technologies, such as the microwell chip for cell line generation and filtration systems for circulating tumor cell (CTC) enumeration, offer high recovery rates and quality single-cell DNA and RNA data. VyCAP's user-friendly products are widely used in laboratories worldwide, supporting detailed and precise single-cell analysis essential for medical research and clinical diagnostics.

<https://www.vycap.com/>

Keywords: Single-cell analysis, CTC enumeration, cell line generation, DNA/RNA sequencing, rare cell isolation, high recovery, laboratory solutions, tumor diagnostics

- **Vysens:** Vysens develops user-friendly instruments for immunology research, focusing on biomolecular interaction analysis. Their products, AutoVysion and CellVysion, provide real-time, label-free measurements of antibody quality and cell avidity, respectively. These instruments are designed to be cost-effective, easy to operate, and require minimal training, helping researchers obtain accurate and reliable data quickly.

www.vysens.com

Keywords: Immunology instruments, antibody characterization, cell avidity, real-time analysis, AutoVysion system, CellVysion system, SPR technology, fluidics

- **Wearm.ai:** WearM.AI specializes in creating digital twins of muscle activity to enhance athletic performance and safety. Their technology uses advanced wearables to analyze and optimize running biomechanics, helping athletes run smarter, safer, and faster. By providing detailed insights into muscle dynamics, WearM.AI aims to revolutionize sports training and injury prevention through personalized, data-driven feedback.

<https://wearm.ai/>

Keywords: Muscular digital twins, running biomechanics, performance enhancement, injury prevention, wearable technology, data-driven insights, real-time feedback, athletic optimization