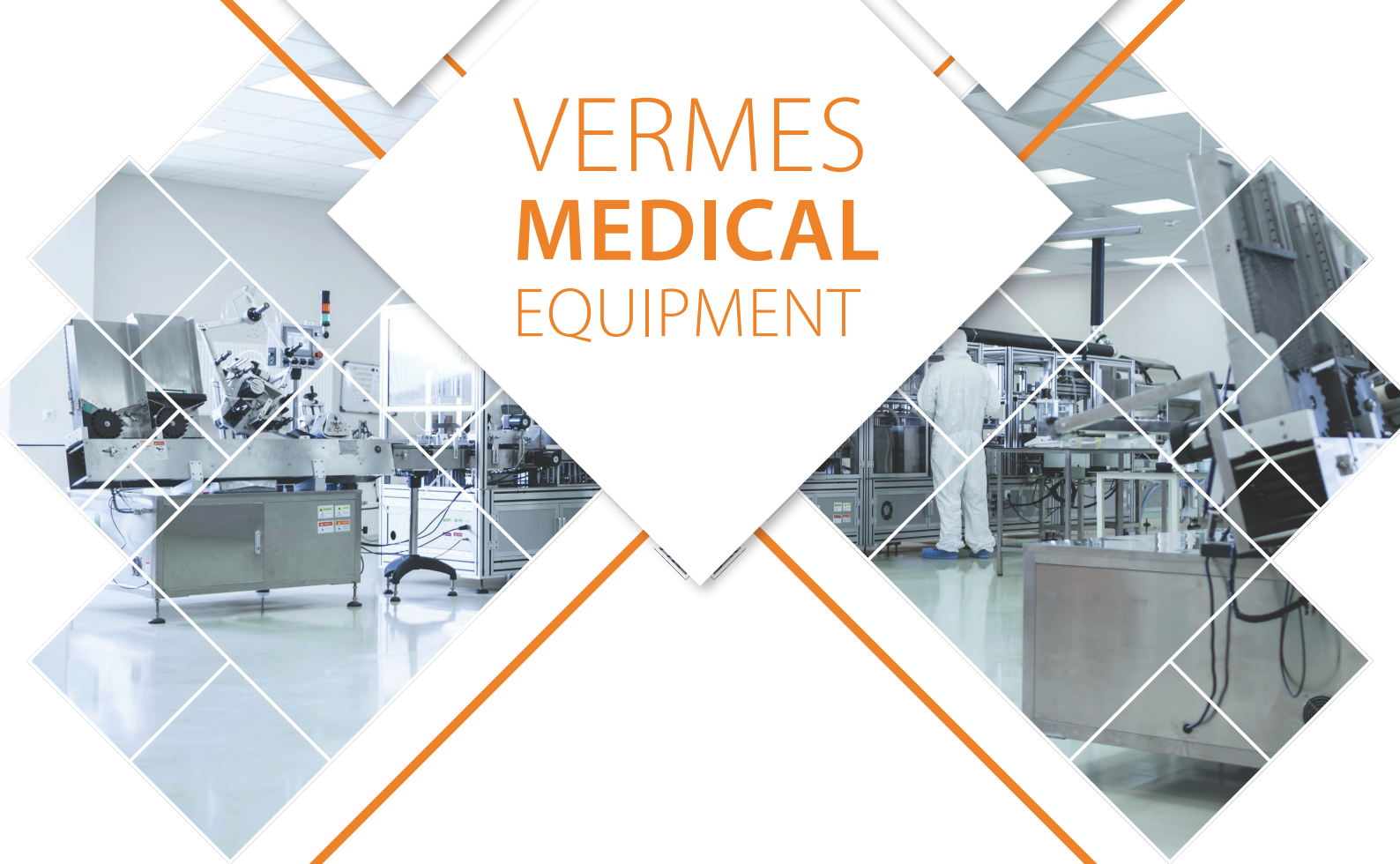


We bridge the
gap between
industrial life science
applications & regular
microdispensing!

VERMES MEDICAL EQUIPMENT



OUR SERVICE

Fluid Management & Process Automation



Processing fluids in the smallest quantities with high precision on a microfluidic scale is a challenging task for industry and research. This is particularly relevant for the life sciences, where highly sensitive media are handled. Combined with the often limited quantities of these media, this places special demands on any automated fluid handling process - be it dispensing, conveying, distributing or aliquoting.

From the initial concept to the finished solution (whether as a stand-alone device or OEM component for platform integration), you can rely on the many years of in-depth industry experience of our engineers.

Sensor Development & Process Monitoring

The requirements for handling human material (e.g. blood plasma samples in point-of-care diagnostics), cost-intensive materials for the pharmaceutical industry and supersensitive samples in microbiology (e.g. iPSCs) are becoming increasingly stringent and generally aim for a minimum of necessary volumes. Our interdisciplinary team of developers and engineers is constantly endeavoring to make fluid handling processes more precise, increasingly reliable and thus highly reproducible by designing ever more precise sensor components, measurement tools and add-ons for the VERMES Medical Equipment product portfolio.



We design sensor components and measurement tools that make fluid handling processes precise and reliable.

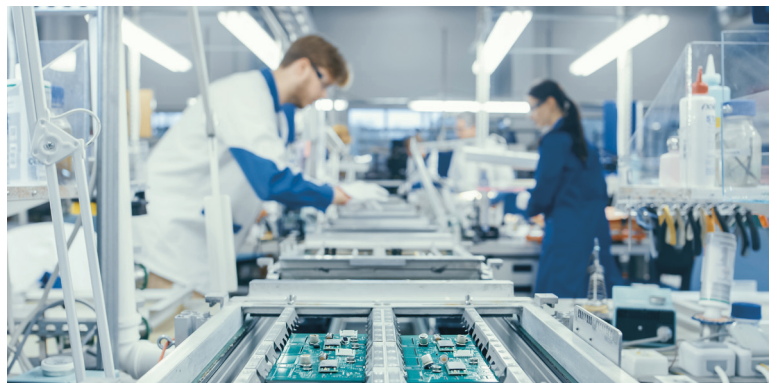
Technical Laboratory Services



The requirements for handling human material (e.g. blood plasma samples in point-of-care diagnostics), cost-intensive materials for the pharmaceutical industry and supersensitive samples in microbiology (e.g. iPSCs) are becoming increasingly stringent and generally aim for a minimum of necessary volumes. Our interdisciplinary team of developers and engineers is constantly endeavoring to make fluid handling processes more precise, increasingly reliable and thus highly reproducible by designing ever more precise sensor components, measurement tools and add-ons for the VERMES Medical Equipment product portfolio.

Research Projects

VERMES Medical Equipment has already been part of various national and international research and development projects in the past. The most prominent example in recent times was the participation in the pan-European H2020 project "Diachemo". The aim of this project was to develop a point-of-care diagnostic device that can quantify chemotherapeutic drugs in small body fluid samples. VERMES took on the role of the lead-engineering partner for process automation, system integration and prototype development (in compliance with the regulatory requirements). The VERMES Medical Equipment team will continue to expand its existing network to research, industry and health care and will promote participation in national and international research projects. If you are looking for a competent, committed and reliable engineering partner and fluid handling specialist for your research project, do not hesitate to contact us.



We develop systems and system components for medical diagnostics in compliance with the in-vitro diagnostic and medical device directives

Industries



Medical & Pharmaceutical Industry

Fluid Handling in the micro/nano-liter range is an essential step in many production processes as well as in R&D applications in the Life science industry. Our products provide an automated and regulated dispensing & fluid handling solution to your problems. Additionally we focus on special features such as low dead volume, CIP/SIP capabilities if necessary and easy-to-handle components as an ideal fit for pharmaceutical and medical applications.



Biotechnology

If you are aiming to replace frequently used manual processes to increase efficiency and minimise errors, we offer automated reliable and efficient solutions for handling/dispensing even the most sensitive media (e.g. cell suspensions). We can work with you to automate existing processes and meet the most demanding requirements.



Academic Research

We are dedicated to developing and supporting instrumentation that enables a broad range of applications for scientists around the world. We know that high-end research requires cutting edge tools, that is why we collaborate with universities as well as private/public institutions, to assist with their research needs, by developing equipment that cater to their specific needs.

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