



**CUSTOMISED
EQUIPMENT
FOR YOUR
LABORATORY**

**LABORATORY FURNITURE AND EQUIPMENT
PLANNING, ASSEMBLY, OPERATION**



YOUR IDEA

LAB EXPANSION
LAB MODERNISATION
BUILDING OF NEW
LABORATORIES

EVERYTHING FROM A SINGLE SOURCE FOR YOUR LABORATORY

Th. Geyer – a name that has stood for comprehensive expertise and certified quality since 1892 in relation to the flexible and reliable supply of everything you need for your day-to-day work in the laboratory: equipment, consumables, chemicals and life sciences products.

Th. Geyer's portfolio of services also includes tailor-made planning and optimised setup in order to create the ideal laboratory environment for you. Whether you need a single piece of furniture, want to install new flues or are planning a complete laboratory - as our customer, you always receive solutions that are tailored to your ideas. We use the best manufacturers who set standards in terms of quality, value for money and eco-friendliness. This means that Th. Geyer supplies you with everything from a single source for your laboratory of the future.

OUR SOLUTION

ADVICE & PLANNING

Our experts combine your very specific requirements with state-of-the-art components to ensure safe and efficient workflows.

Whether it be an expansion or a complete new build: taking into account of all of the conditions relating to space, technology and safety in the workplace, we create a tailor-made plan. Using CAD software, we make your laboratory visible from the start.

We would also be happy to supply you with individual pieces of laboratory furniture, modern equipment and high-quality consumables and chemicals. This gives you everything you need for your laboratory from a single source – with the best manufacturers as your partners.

DELIVERY & ASSEMBLY

Our detailed planning covers supply lines and handover points for media. We take account of the existing technical infrastructure and show you potential for optimisation, for example to reduce energy consumption and to optimise your laboratory from economic as well as ecological aspects.

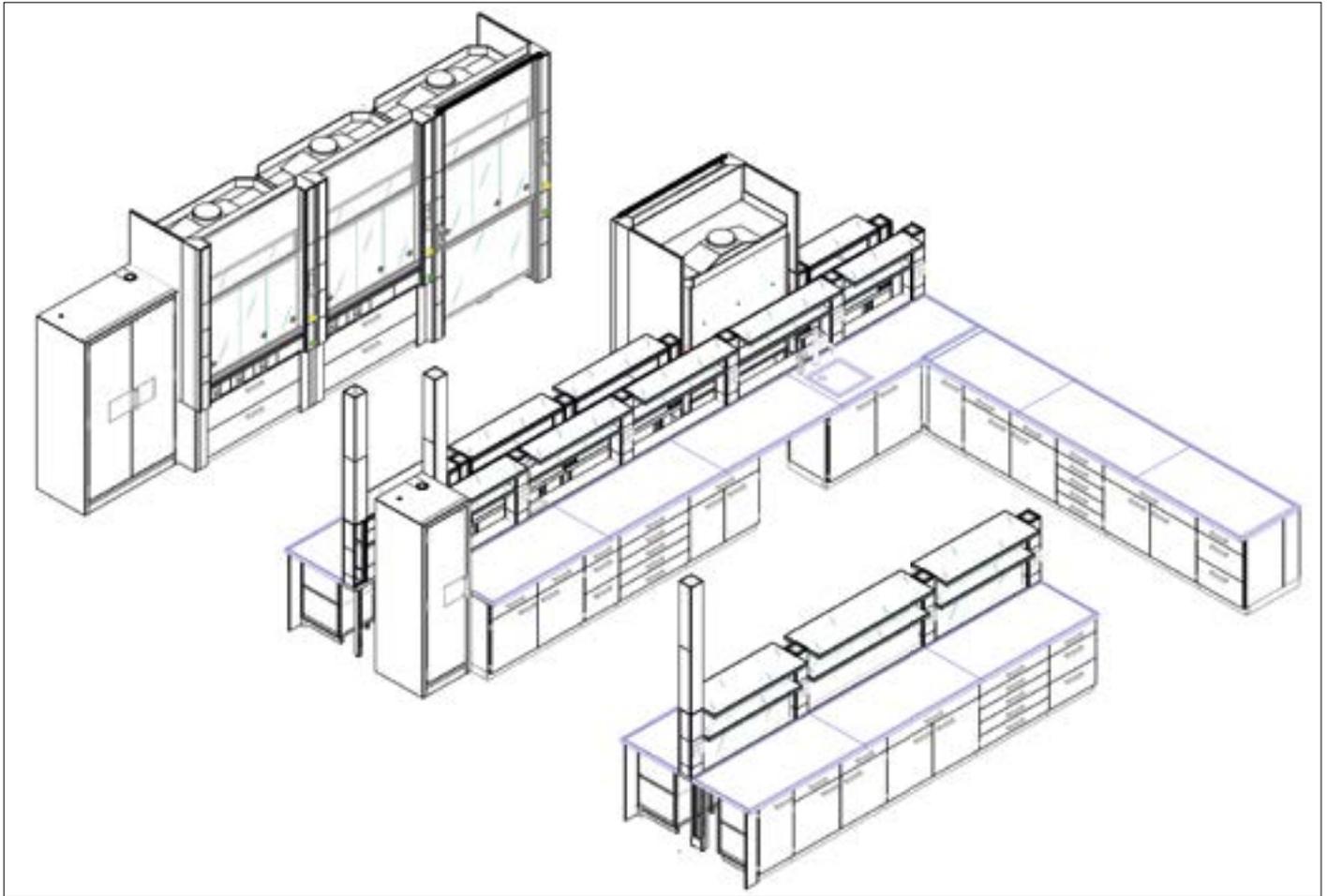
Delivery and assembly are carried out in accordance with the space concept and on your preferred date. Modernisations of existing laboratories are carried out on request so that ongoing operation is impacted as little as possible.

We coordinate the assembly of the furniture, installation of peripheral equipment and are on hand to provide personal assistance at all times. This is how we safeguard quality, the agreed cost framework and the timing up to the acceptance of your customised laboratory.

COMMISSIONING & SERVICE

On the agreed date, we will hand over your new or modernised laboratory and put the laboratory equipment into operation. To ensure that you are able to rely on the flawless functioning of the new furniture and equipment at all times, we can offer you maintenance work and calibration services, for example.





SAFELY WELL ADVISED AND LOOKED AFTER

If you need a lab chair or a transport cart, we have the right solution for you just as much as we do for your complex project to expand, modernise or develop your new laboratory.

Over the next few pages, we will be showing you an excerpt from our supplies and services portfolio, introducing you to well-known manufacturers and interesting products and showing you with reference projects some of the solutions that began with ideas from our customers.

- COMPLETE INSTALLATION SYSTEMS
- EXTRACTORS
- SAFETY CABINETS
- INDIVIDUAL LAB FURNITURE
- LABORATORY EQUIPMENT
- LABORATORY CONSUMABLES
- LABORATORY CHEMICALS AND REAGENTS
- LIFE SCIENCE PRODUCTS

Are you looking for no-obligation advice or a specific quote?
Simply send an e-mail to lab-furniture@thgeyer.com.
Our experts look forward to assisting you with your laboratory.



WHAT IS THE LABORATORY OF THE FUTURE?

Scientists and manufacturers are constantly working on innovations to make the laboratory of the future reality. Key terms include increasing networking, learning from big data and the ever-closer interaction between humans and machines.

At Th. Geyer, we see the path to the laboratory of the future as a dynamic process. Our experts know the market and product developments. We use high-quality products and systems that offer the utmost flexibility and which can be adapted at any time to your very specific requirements.

Even individual conversion and expansion projects can make your laboratory fit for optimised and integrated workflows. This is why we work with you to analyse

- the specific tasks and testing routines in your laboratory
- the conditions under which activities are carried out
- the procedures that are currently causing problems and need optimising
- the structural conditions, e.g. for supply points and installations required



KÖTTERMANN EXPLORIS® LABORATORY SYSTEM

Quality, safety, flexibility: for Th. Geyer, these are three crucial criteria when it comes to choosing products and delivering service for our customers. This is why KÖTTERMANN laboratory equipment fits our pledge to offer optimised, safe and future-proof solutions for your ideas.

FLEXIBILITY WHEN THE MEASURE OF ALL THINGS - THE HUMAN - IS IN THE LABORATORY

The EXPLORIS® concept from KÖTTERMANN is based on the realisation that working requirements in the laboratory change just as much as the needs of the people who work there. The EXPLORIS® laboratory system offers maximum flexibility to adapt to this change.

- Continuous developments and innovations
- Maximum quality and material standards
- Appealing, harmonious design
- Ergonomics that bring work and anatomy into alignment
- Safety as the number one priority





SUSTAINABILITY AND FUNCTIONALITY

KÖTTERMANN is constantly developing the EXPLORIS® product range. Aspects such as energy efficiency and sustainable, eco-conscious working are just as much the centre of focus as optimised and safe operation. We show you here a few innovative examples from the comprehensive EXPLORIS® range:

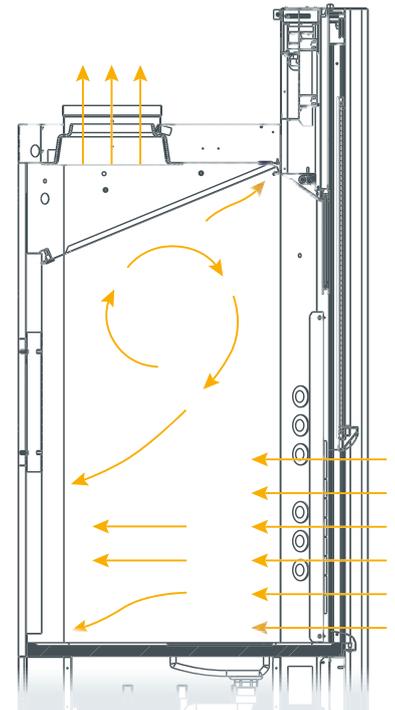
EXPLORIS® ECOPLUS LOW-ENERGY EXTRACTOR

The EXPLORIS® EcoPlus low-energy extractor impresses with its safety and cost-effectiveness.

- Stricter criteria for the safety of laboratory extractors through EN 14175-3: in a demanding robustness test, extractors must demonstrate that they are able to hold back harmful gases even under disruptive influences
- Effective protection with air consumption that is exemplarily low: the EcoPlus outperforms the strict limit values set down by the BG RCI with a volume flow of just 250 m³/h per running metre of extractor front
- Safety through flow-optimised geometry - without complex supportive airflow technology.
- Consumption of expensively conditioned air in the laboratory is reduced by up to 30 % compared to conventional extractors
- Energy-saving and environment-sparing: cuts operating costs per extractor by up to Euro 1,000 per year
- Further potential savings thanks to optimised ventilation systems: save an additional up to 20 % in investment costs thanks to smaller pipe cross-sections and fans with smaller dimensions

REDUCES
OPERATING
COSTS BY UP TO

30 %



Cross-section through an EXPLORIS EcoPlus®

LABORATORY FURNITURE

With the EXPLORIS® product range from KÖTTERMANN, you have a wide choice of laboratory furniture for every requirement. All products guarantee maximum flexibility and allow efficient working. Desks with cabinets and tabletops form the core element of your laboratory. Additional basins or sinks, media and accessories combine the individual elements to create a complete unit.

- BASE UNITS
- TALL UNITS
- HANGING AND TABLETOP-MOUNTED UNITS
- RACKS
- DESKS AND TABLE TOPS
- BASINS AND SINKS



TABLE TOPS

Just as varied as the work in your laboratory are the demands that are made of the table tops. For work involving aggressive acids, ceramic table tops are best, for example, while stainless steel table tops should be used for the biological sector and melamine table tops are ideal for less rigorous chemical demands. For ergonomic working and the best possible use of the laboratory space, the table tops are also available in octagonal shapes. Not least, attention should be paid to ensuring harmonious colour matching of table tops and furniture since it not only looks good, but also generates a creative working atmosphere.

- Various materials for every application
- With and without edge lip for catching spilt liquids
- Versatile design options thanks to rectangular and octagonal shapes
- Harmoniously coordinated colours



 Baltic Blue



 Grey



 White

OFFICE AND ANALYSIS



Workstations used for written work. Table tops without an edge lip with adequate scratch resistance.

WET CHEMISTRY



Workstations used for working with larger quantities of chemicals. Table tops with an edge lip with high resistance to chemicals

EQUIPMENT WORKSTATIONS



Workstations used for working with analytical equipment and small quantities of chemicals. Table tops without an edge lip with good chemical resistance.

BIOLOGY / LIFE SCIENCE



Workstations with particular demands in terms of hygiene and moderate resistance to chemicals. Table tops with few joints and good chemical resistance.

STANDARD MELAMINE



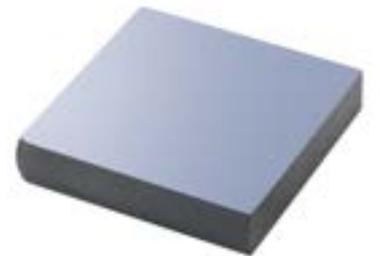
TOPRESIST® MELAMINE



TRESPA® TOPLAB®BASE



TRESPA® TOPLAB®PLUS



FULL CERAMIC



COMPOSITE CERAMIC



GLASS



POLYPROPYLENE



EPOXY RESIN



STAINLESS STEEL



- Fully suitable
- Suitable with limitations



COMPELLING ADVANTAGES FOR YOU

As a Köttermann Certified Sales Partner and Certified Installation Partner, Th. Geyer offers you all of the advantages of the EXPLORIS® product range from KÖTTERMANN when it comes to designing and setting up your laboratory.

QUALITY

As a material, steel is sturdy, hygienic, has a reduced fire load and is long-lasting. The surfaces, which are coated to make them light-resistant in order to avoid colour differences caused by UV radiation, make adding to laboratory equipment easy even many years later.

SAFETY

Safety cabinets featuring FWF-90 technology protect flammable hazardous substances especially effectively against fire. For extractors, the EXPLORIS AutoProtect® front sash controller ensures automatic closure.

FLEXIBILITY

The media is supplied via cassettes which can be loaded, exchanged or retrofitted as required.

DESIGN

An internationally renowned design studio is involved with the development process. After all, laboratory employees feel happier in a harmonious, appealing environment. The colours are therefore subtle and perfectly coordinated.

ERGONOMICS

The ergonomic workplace keeps employees fit and productive. In addition, a fume cupboard with a back-friendly, electrically adjustable table top is also available.

INNOVATION

Innovation and sustainability are intrinsically linked at KÖTTERMANN. This begins with resources-protecting production and extends through to economical operation within your laboratory. One example of this is the especially eco-friendly EXPLORIS® EcoPlus low-energy extractor.





LABORATORY CHAIRS

Ergonomic, flexible, hygienic - barely any other field of work makes the same high demands on chairs as a laboratory:

laboratory chairs need to be coordinated with the typical postures adopted in the laboratory - for example the forwards-leaning posture adopted when working on microscopes. The chair settings must also be flexible and functional in order to ensure the correct support and an ergonomic posture while carrying out the various activities in the laboratory. Strict hygiene requirements in the laboratory also demand materials that can be washed and disinfected, as well as a design that is easy to clean.

DEMANDS ON A LABORATORY CHAIR

- Ergonomical
- Easily adjustable
- Comfortable
- Disinfectable
- Washable
- Seamless

DEPENDING ON THE APPLICATION, ALSO

- GMP-compliant
- Suitable for clean rooms



Th. Geyer offers a very broad spectrum of laboratory chairs, stools and standing aids from leading manufacturers such as Bimos. We would be delighted to advise you on the right products for your needs.

Laboratory chair from the Bimos Neon series





TOP EQUIPMENT FOR YOUR LABORATORY

We set up your laboratory with more than just the right furniture for your needs. We can also provide you with all of the equipment for your specific requirements – from analytical scales to Zeiss microscopes. The portfolio is complemented by services such as calibration or maintenance. A few examples of the top brands and quality that Th. Geyer can supply are listed below

Miele
PROFESSIONAL



MIELE

Miele professional equipment is developed by engineers especially for the rigours of use in the laboratory. The carefully selected components are mostly manufactured in Germany and Europe.

AUTOMATIC CLEANING AND DISINFECTING MACHINES

Miele automatic cleaning and disinfecting machines provide a professional solution for your laboratory equipment. They are especially gentle on materials and are recommended by leading manufacturer of laboratory equipment.

LABORATORY AUTOMATIC WASHERS

Whether compact equipment or large machines, Miele Professional has the ideal automatic laboratory glassware preparation systems: safe, standardised and validatable.

LIEBHERR



LIEBHERR

With precision electronics and temperature settings accurate to one degree, laboratory equipment from Liebherr ensures excellent temperature consistency. Numerous functions and equipment features ensure that sensitive substances as well as chemicals and research materials are stored in the best possible conditions.

LABORATORY REFRIGERATORS

The dynamic cooling system and highly effective insulation ensure low operating costs and at the same time spare the environment. Modern components as well as precise control units guarantee that the substances and materials inside are kept in the best possible condition.

LABORATORY FREEZERS

To safely store sensitive substances such as antibodies and cell cultures in the best possible way, Liebherr laboratory freezers feature precision electronics and integrated alarm systems. The 3-point calibration process allows exact temperature settings to be made on appliances with professional electronics. All equipment complies with the NF X 15 - 140 standard in terms of maximum temperature stability and temperature consistency.

ASECOS

Part of any laboratory planning process must involve a sustainable storage concept for flammable chemicals or pressurised gas canisters. Asecos is the world's leading manufacturer of safety cabinets compliant with the European standard DIN EN 14470 Part 1 and Part 2.

SAFETY CABINETS

The safety cabinets for storing hazardous substances are available in numerous versions, colours, door options and in various cabinet widths and heights. Type-tested fire resistance for fire-protected hazardous substance cabinets according to model group: 90 minutes (Type 90) or 30 minutes (Type 30).

GAS CANISTER CABINETS

Gas canister cabinets for storing flammable or toxic pressurised gases in workrooms. Suitable for up to 4 x 50-litre pressurised gas canisters. Fire resistance Type G90 and Type G30, GS-tested.



BINDER

Having been a partner of BINDER for many years, we offer you the entire product portfolio, which includes CO₂ incubators, cooling incubators, climate-controlled cabinets, material testing cabinets and drying and heating cabinets. Through us, you always have early access to the latest new products and innovations.

CONSTANT CLIMATE CABINETS

For simultaneous temperature/moisture/light simulations with long-term stability in a single cabinet. The constant climate cabinets are ideal for standards-compliant working according to ICH guidelines and work independently of the water supply.

DRYING AND HEATING CABINETS

The drying cabinets with natural convection or recirculated air impress with their new design, user convenience and efficiency, as well as excellent temperature accuracy thanks to the latest technology.



OCCUPATIONAL SAFETY AND SAFETY TECHNOLOGY

For Th. Geyer, the protection of people and the environment lies at the heart of all laboratory-related plans. To this end, we comply with strict regulations and conditions such as BGR 120.

The measure of all things in the laboratory is the person who is exposed to a variety of hazardous sources during their work. This is why we can provide you, on request, with all of the products used as personal safety equipment (PSE) that meet the toughest demands in terms of workplace protection and safety. Below are a few examples from our comprehensive range



Intelligently designed setup and furniture arrangement is centred around the very specialist workflows in your laboratory – and this is the crucial basis for safety.



EYE PROTECTION

LABSOLUTE® safety goggles, eye emergency stations, eye rinsing stations

RESPIRATORY PROTECTION

Breathing masks, full-face masks and respiratory filters

HEARING PROTECTION

Earplugs, ear defenders

GLOVES

LABSOLUTE® disposable gloves, heat or chemical-resistant gloves

SKIN PROTECTION AND CARE

LABSOLUTE® Skin Protect, LABSOLUTE® Skin Care

PROTECTIVE CLOTHING

Lab coats, working and chemical aprons, overalls, sleeve protectors

SAFETY CHAINS AND SIGNS

LABSOLUTE® GHS labels, prohibited and forbidden signs

FIRST AID KITS

First aid boxes, dressings cabinets

FIRE PROTECTION

Powder extinguishers, extinguishing blankets

CHEMICAL BINDING AGENTS

CHEMSOLUTE® Sorb, chemical binding fleece



TWO TOP BRANDS ALWAYS ONE ATTRACTIVE OPTION



In your daily work, you need reliable laboratory consumables and equipment so that you can concentrate on what is most important. With LABSOLUTE® products you're on the safe side in every field.

- All LABSOLUTE® products are manufactured under stringent conditions and are subjected to regular quality controls
- Top quality at attractive prices – this is one thing you can always depend upon with LABSOLUTE®
- Our portfolio, which we are continuously expanding, offers you a wide choice for all general or special laboratory consumables



CHEMSOLUTE® offers you a wide range of first-class products, providing the perfect solution for your laboratory: chemicals, reagents, solutions and biological buffers. But one thing is certain with all CHEMSOLUTE® products:

- They are suitable for laboratory use; a wide range meets the requirements according to PH, Eur., ACS or ISO standards
- Supplied with detailed specifications
- Maximum reliability in terms of labelling, packaging and transport



TH. GEYER REFERENCE PROJECTS

Numerous companies, universities, hospitals and private as well as public institutions from research and science rely on the many years of experience, strong focus on service and personal, individual support from our professional team. They know that, with us as their partner, they are able to focus on their core activities in research, analysis and development.



IFP INSTITUTE FOR PRODUCT QUALITY

The ifp Institute for Product Quality, founded in 2004, is an independent centre of expertise for the analysis of foodstuffs, drinking water and pharmaceuticals. It provides testing of foodstuffs and pharmaceutical products. The highly respected institute opened its new laboratory and centre of expertise for food safety at the science and technology park in Berlin-Adlershof. Th. Geyer was commissioned with planning and installing all of the laboratory equipment.

"Th. Geyer's experts played a huge role in creating a modern and functional working environment for our 200 employees at the new laboratory centre thanks to their recommendation of the EXPLORIS® laboratory system from KÖTTERMANN and their service right through to the commissioning stage. We received a tailor-made system that we are able to adapt with flexibility to future requirements thanks to innovative extensions, and a partner that gives us first-class advice, products and support."

Dr Wolfgang Weber

Managing Director of the ifp Institute for Product Quality



MILTENYI BIOTEC

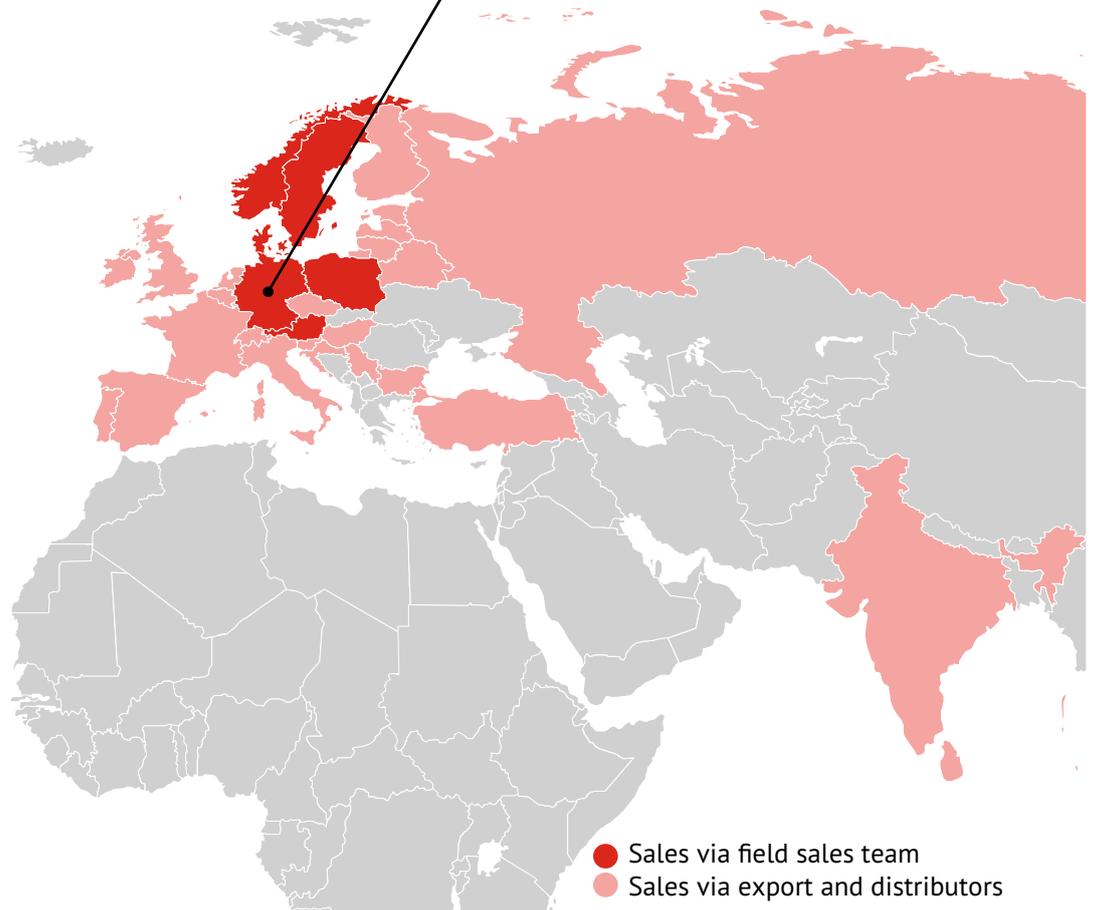
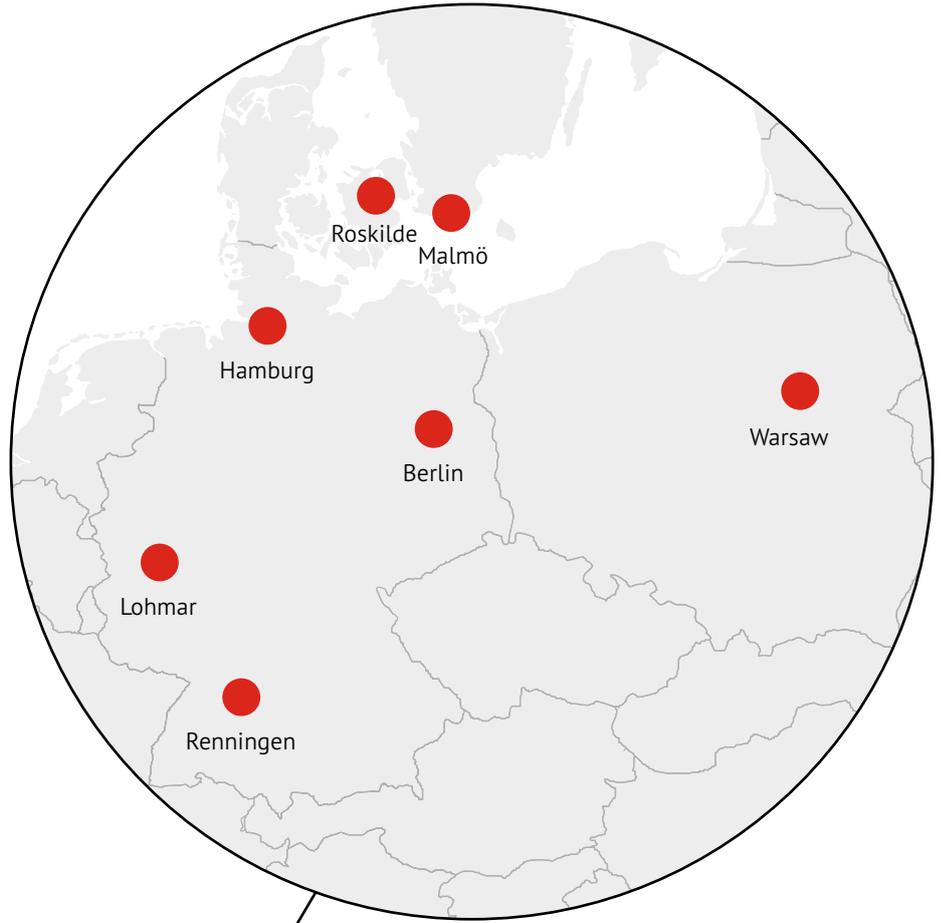
Miltenyi Biotec GmbH is a biotechnology company based in Bergisch Gladbach and is the leading supplier of products for magnetic cell sorting and analysis (MACS). The company was founded in 1989 and is therefore one of the oldest and largest, in terms of employee numbers and turnover, German companies in the biotechnology industry. The new research centre was built in Bergisch Gladbach. 5,500 m² of space were turned into modern office and administration facilities along with the new laboratory. Miltenyi Biotec commissioned Th. Geyer with the complete setup of the laboratory.



ALWAYS NEARBY

Experienced, highly skilled employees on our internal and field sales teams within our sales offices are dedicated to supplying your ideas.

Simply send an e-mail to lab-furniture@thgeyer.com. Our setup experts look forward to offering you customised, completely non-binding advice in person.





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