



Medical Steam Disinfection Systems
for mattresses, pillows and textiles

SHD



Benefit from our many years of experience in manufacturing, consulting, sales, project planning, service and state-of-the-art equipment technology so that you can concentrate on your core tasks



SHD

WELCOME

With more than 45 years of experience in the field of medical and laboratory technology, the second generation of SCHLUMBOHM Medizin-Labor-Technologie-Hamburg GmbH is already successfully meeting the demanding requirements of the market. As early as 2014, company founder Hans-Joachim Schlumbohm retired from day-to-day operations and handed over the management to his son Tobias Schlumbohm. Schlumbohm Senior continues to be responsible for research and development in the company.

As a manufacturer of steam sterilizers, washer disinfectors, care combinations, stainless steel furniture, and systems for the treatment of medical waste, we supply hospitals and laboratories worldwide with our medical and laboratory technology. We have over 120 highly qualified employees working at our production sites in Germany and Italy.

The correct determination of requirements and the preparation of planning proposals are an absolute must. Professional project support, right up to installation and commissioning, is just as important as seamless customer service. With our solutions, you not only receive technically mature systems but also the assurance that you have a professional partner taking care of your functional processes.

An important key to our long-term success and market acceptance is ensuring quality, operational reliability, and functionality in day-to-day operations while harmonizing these features with economic aspects.



In this context, we have a team of over 20 service technicians available to you 365 days a year, 24 hours a day, providing immediate service throughout Europe. The management in Hamburg handles accepting orders and the scheduling of all field employees

Tobias Schlumbohm
CEO

Hans-Joachim Schlumbohm
Shareholder

SHD PRODUCT INFORMATION

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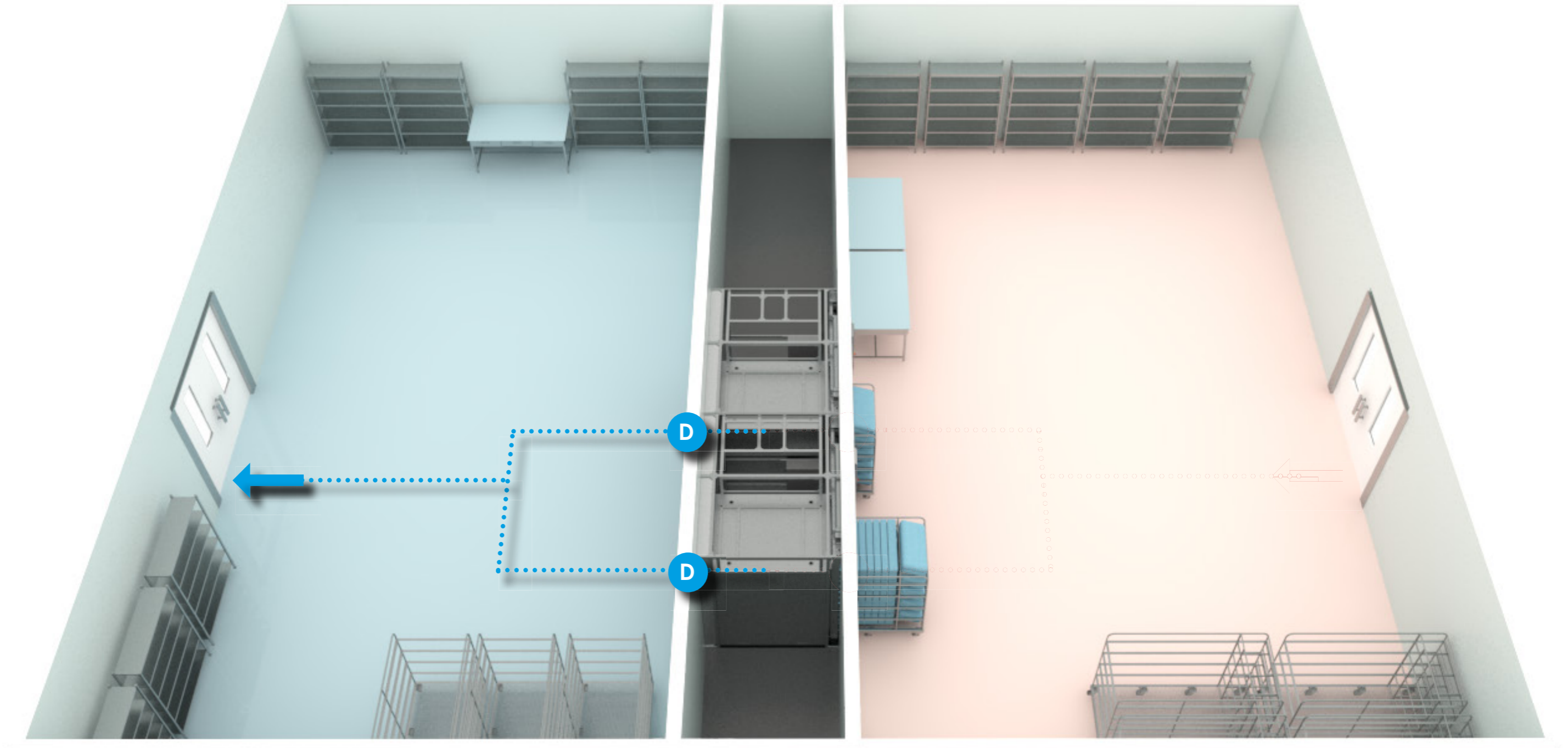


INNOVATIVE NEW PRODUCTS PRESENTED IN BRIEF
THE NEW GENERATION OF OUR FULLY AUTOMATIC
STEAM DISINFECTION SYSTEMS

Steam Disinfection Systems

SCHLUMBOHM developed a full range of new generation saturated steam disinfectors that meet the need for high productivity, low environmental impact requirements and easy demand of use. Our devices are equipped with high-tech solutions that guarantee the safety of users and that comply with the regulations on disinfection.

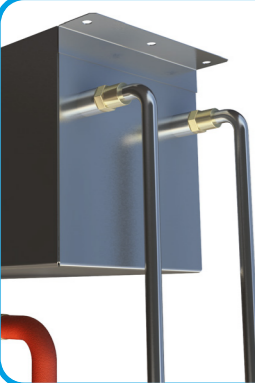
Listening to the customer, continuous research aimed at innovation and collaboration with the university world, have allowed us to reach cutting-edge technological and scientific levels in the field of disinfection, so much so that we have become a leader for an elite clientele. Seeking quality, safety, reliability, cost reduction and process optimization in the field of infection control. Real-time systems and devices integrated in steam disinfectors, object of the most advanced design, are put into operation during the processes, to eliminate the risk of disability and guarantee the repeatability of results over time.



Our devices have been designed by applying concepts crosscurrent from the market, placing certain and measurable objectives: safety, environmental impact, hygiene, durability, usability, productivity, reliability and maintenance. These results were achieved by applying and integrating the concepts of redundancy, eco-sustainability, design purity, resistant and generous architectures, ease of interaction and ergonomics, commercial components of leading companies, high performances and simple functional philosophies.

- ➔ Arrival of dirty material
- D Disinfection Area
- ➔ Return of disinfected material

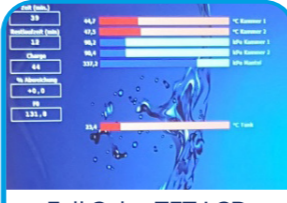
Main Technical Features



The treated water disconnection tank from the generator ensuring the network disconnection and water preheating by the energy recovery system. This device generates significant savings and ensures the disinfection of water for the production of steam.



SIEMENS programmable PLC, ensures control and safety of the equipment during all phases of operation.




Full Color-TFT-LCD
17" Touch screen.
Resolution 1280 x 1024.



The steam generator, perfectly insulated, is made of stainless steel AISI 316L. It has an automatic drainage system.




All components of the hydraulic system, such as valves, etc... are made of AISI 316L stainless steel. The use of efficient components ensures a long durability.



Hydraulic system made of stainless steel pipes, of AISI 316 quality. The careful design of the plant guarantees the perfect passage of the fluids, avoiding the areas of retention and stagnation. All connections are made through the use of Tri-Clamp technology and TIG orbital welding.

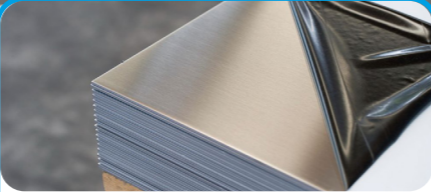


The barrier called "Bioseal" guarantees a tight separation between the operating areas, perfectly isolating the clean area from the sterile area. The Bioseal is made entirely of AISI 304 stainless steel and welded to the frame structure and the chamber.

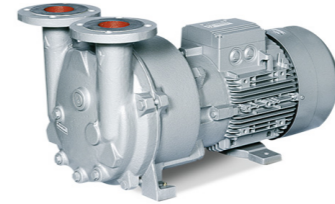


The chamber, the jacket and the door (or doors) are made of AISI 316L stainless steel.

The interior of the chamber is finished with a special electro-mechanical polishing.



The frame structure and the cladding panels are made of AISI 304 stainless steel.



Liquid ring type Vacuum pump to generate the vacuum. The performance are in compliance with the UNI EN 285 standard. Anti-vibration mounts for diffusion of vibrations.



The device for controlling the temperature of the drains allows you to bring the fluids to the drain at a controlled temperature.

The total automation of the process, including the loading and unloading phases through accessories able to satisfy the market needs, improves the ergonomics, increases productivity, guarantees the efficiency of operations and increases the man-machine feeling. Our devices contribute significantly to create the ideal working environment.



Each model of our range of steam disinfectors combines high productivity and efficiency: a perfect balance that improves the operating economy of the disinfection system. A unique construction concept for the entire range to have the same results in terms of process quality and safeguarding the integrity of the devices.

Unique construction concept in compliance with hygiene requirements, complete environmental separation, total uniformity of heating of the chamber and systems with drainable Tri-clamp fittings.

All models allow the following types of power supply:

- E: Electric steam generator inside the machine
- S: Direct connection to Central Steam, ACC. DIN EN 285-Appendix B
- ES: Electric steam generator inside the machine and direct connection to the central steam.
- HE: Internal heat exchanger.

In addition to the models described above, equipment with external dimensions and a custom room section can be supplied.

The size of the device may vary depending on the equipment.

Range of products

Series	Models	Capacity (l)	Load	Chamber Dimensions (WxHxD)	Overall Dimensions (WxHxD)
12.1HD	SHD.12.48.1HD.E/S/SE/HE/EHE	3967	up to 10 mattresses (Hmax 120 mm) + pillows and textiles	1060 x 1500 x 2495	2700 x 2500 x 2975
12.2HD	SHD.12.48.2HD.E/S/SE/HE/EHE		up to 8 mattresses (Hmax 140 mm) + pillows and textiles		2700 x 2500 x 3000
18.1HD	SHD.18.64.1HD.E/S/SE/HE/EHE	4760	up to 14 mattresses (Hmax 120 mm) + pillows and textiles	1060 x 1800 x 2495	2700 x 2500 x 2975
18.2HD	SHD.18.64.2HD.E/S/SE/HE/EHE		up to 12 mattresses (Hmax 140 mm) + pillows and textiles		2700 x 2500 x 3000

Accessories



Internal/external trolley for SHD.12



Internal/external trolley for SHD.18



Remote control

Technical solutions for different applications

The SHD line offers a wide range of specific disinfection cycles, according to the material to be treated.

For the disinfection (75°C or 85°C or 105°C) of mattresses, anti-decubitus mattresses, pillows and textile, a cycle has been studied with initial withdrawals followed alternatively by saturated steam intakes for the complete removal of air from the chamber.



Depending on the equipment it will be possible to work, for each disinfection cycle, from a minimum of 8 up to a maximum of 14 mattresses (with corresponding sets of pillows and textiles) with a variable height from 120 to 140 mm.



You want to know more about this product?

... please contact our sales department.
We are looking forward to your inquiry.
Your SCHLUMBOHM Team

vertrieb@schlumbohm-medlab.com

Range of services



STEAM STERILIZERS + AUTOCLAVES

SHS Series + SLS Series

The new generation of fully automatic SCHLUMBOHM steam sterilizers/autoclaves of the SHS + SLS series is the product of cutting-edge development work and proven, advanced equipment technology for everyday use in the medical field. An easy User-interface, energy and resource-saving technology, and optimal accessibility for maintenance and service were key considerations in this pioneering development.



MEDICAL + LABORATORY WASHER DISINFECTORS

SWD Series + SWD LAB Series

The devices of the SWD + SWD LAB series are the ideal washer disinfectors for the safe and efficient reprocessing of surgical instruments, minimally invasive instruments, anesthesia materials, containers, surgical shoes, and laboratory utensils. In addition to an appealing design and compact size, innovative features to enhance process reliability and compliance with DIN EN ISO 15883 were prioritized during their development.



LARGE-CAPACITY WASHER DISINFECTORS

WDC Series

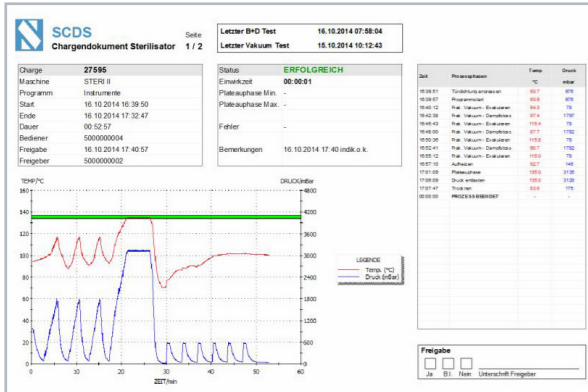
Large-capacity washer disinfectors are designed for the reprocessing of medical devices, as well as large-volume goods such as transport trolleys, containers, surgical shoes, and more. The development of these washer disinfectors took into account aspects such as safety, hygiene, durability, reliability, low maintenance, and resource-saving usage. These devices ensure a high level of operator safety while delivering optimal cleaning results.



STEAM DISINFECTION SYSTEMS

SHD Series

Large-scale disinfection systems utilizing the VSV process are designed for the effective disinfection of large-volume goods, primarily for infection prevention purposes. These systems are particularly suitable for economically disinfecting substantial quantities of solid and porous items such as mattresses and pillows. The latest generation of high-tech solutions has been developed with a focus on economy, resource conservation, and user-friendliness, ensuring maximum operator safety and achieving optimal disinfection results.



BATCH DOCUMENTATION

SCDS

The SCDS batch documentation system provides a comprehensive system solution for complete sterile material documentation. It has been specifically developed to enable fast, simple, and secure documentation that fulfills all legal requirements. All work steps in the treatment process are meticulously recorded, documented, and stored. As a result, the time needed for documenting processes in the sterile material supply department is significantly reduced.

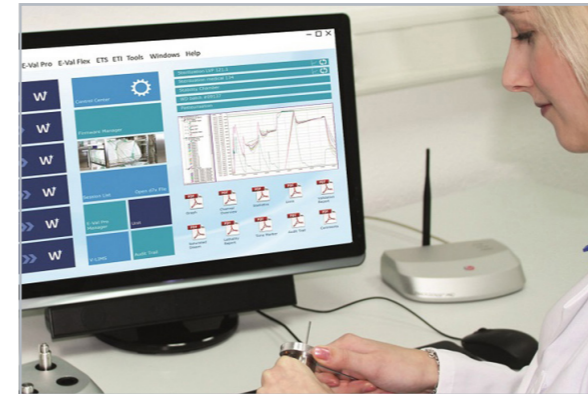
Range of services



MEDICAL WASTE TREATMENT

Truster T-Series

Truster: a technology to be trusted for "biohazard" waste treatment in total safety and respecting eco-sustainability. The purpose of biohazard waste treatment must be to sterilize them and make them unidentifiable and non-reusable. A combined process of mechanical grinding and saturated steam sterilization without any risk of aerobic pollution and of bad smell emission.



VALIDATION

Quality assurance during reprocessing

Due to our high professional standards in the fields of cleaning, disinfection, and sterilization, we have a team of qualified application engineers available to assist you. When validating treatment processes, our focus is on implementing quality assurance measures and ensuring the requirement of reproducible processes in the treatment of medical devices. We are here to help you analyze and optimize your treatment process.



CARE COMBINATIONS

AF2 Series

Bedpan washers and care combinations are designed for fully automatic emptying, cleaning, and thermal disinfection of bedpans, urine bottles, and other vessels used for human excreta. These systems fully comply with the requirements of the German Medical Devices Act (MPG), the Medical Devices Operator Ordinance (MPBetreibV), DIN EN 15883 Parts 1 and 3, and the recommendations of the Robert Koch Institute (RKI) on "Requirements for hygiene in the reprocessing of medical devices".



STAINLESS STEEL FURNITURE

Functional furniture

Our medical functional furniture, crafted with high-quality materials and excellent workmanship, is renowned for its adherence to the highest hygiene standards, extensive functionality, and individual adaptability. The use of stainless steel grade 1.4301 ensures not only resistance to disinfectants but also a prolonged lifespan compared to other materials.



OR-TABLES / OR-LIGHTS



TABLE TOP STERILIZERS



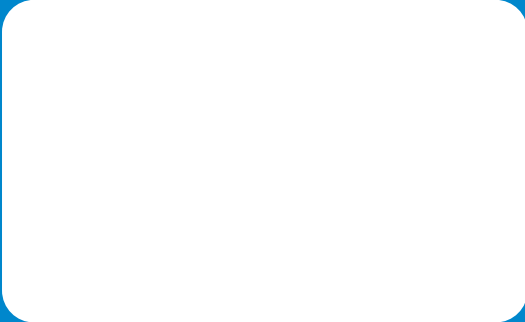
CSSD AUTOMATION

... and more. Please contact our sales department. We will find the right solution for you.

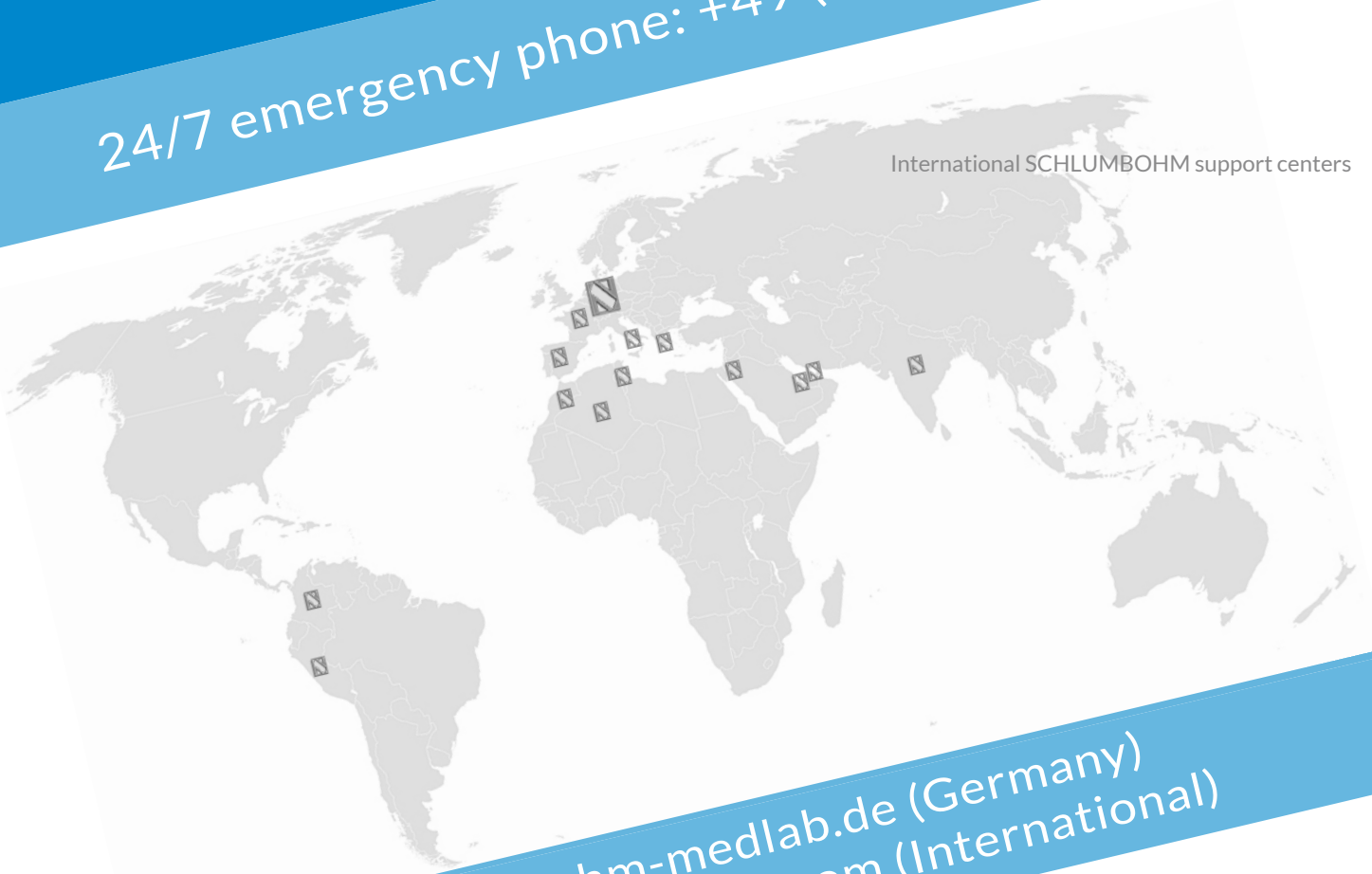
Europe-wide 24-hour emergency service

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International SCHLUMBOHM support centers

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Rev. 07 - 11/2022



EN ISO 14001 CERTIFIED

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