



PHYSIOMED ELEKTROMEDIZIN AG

 **PHYSIOMED<sup>®</sup>**

**SOLUTIONS FOR  
PHYSICAL THERAPY**

Physical Therapy

**INDIVIDUAL  
SOLUTIONS  
2024**

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## We are the PHYSIOMED GROUP!

The PHYSIOMED GROUP thus brings together what belongs together in the therapeutic path of patient treatment in the areas of rehabilitation, sport and aesthetic medicine. By combining our resources, expertise and experience, we offer an expanded product portfolio that enables us to respond even more specifically to the needs of our customers and their customers. As a full-service provider of physical therapy and training therapy solutions, our products, software solutions and efficient billing concepts cover almost all areas of the healthcare market.

The goal of the PHYSIOMED GROUP in the changing healthcare system of the future is to accompany even more people on their path to health with maximum therapeutic success, thereby enabling them to enjoy a better quality of life. In addition to our core market in Germany, we are represented globally with our brands proxomed, PHYSIOMED and ERGOFIT with products and services for the benefit of a healthy society.

We are an EN ISO 13485 certified, leading medical technology company with TÜV-certified safety and quality standards: our products fulfil the requirements of the European Medical Device Directive (MDR) and bear the CE mark.

The satisfaction and success of our customers are important to us. Our competent network of medical device consultants, service technicians, training staff and local partners worldwide ensures that individual customer and market requirements are identified and fulfilled. We will continue our long-standing commitment to quality and reliability.

Marcus Melching, Chairman of the Board  
PHYSIOMED ELEKTROMEDIZIN AG

# PHYSIOMED ELEKTROMEDIZIN AG

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## Innovative test and training equipment

With our hardware, one thing takes top priority: the optimum functionality.

„Made in Germany“ is still going strong – and high quality materials and fabrication, ease of use and maximum safety levels mean that the test and training devices offered by the PHYSIOMED ELEKTROMEDIZIN AG are the most reliable working devices in the fields of therapy, rehabilitation and fitness. The wide range of training devices available can be networked and offer optimum use with RFID.

## You're on the safe side with PHYSIOMED

The PHYSIOMED ELEKTROMEDIZIN AG maintains a medical device quality management system in accordance with DIN EN ISO 13485. Our training machines comply with the requirements of the European Medical Device Regulation (MDR) and carry the CE mark. Quality and safety are monitored by TÜV SÜD Product Service GmbH. Trained sports scientists provide you with support in the sales, training and implementation of our programs.



# Global Extension

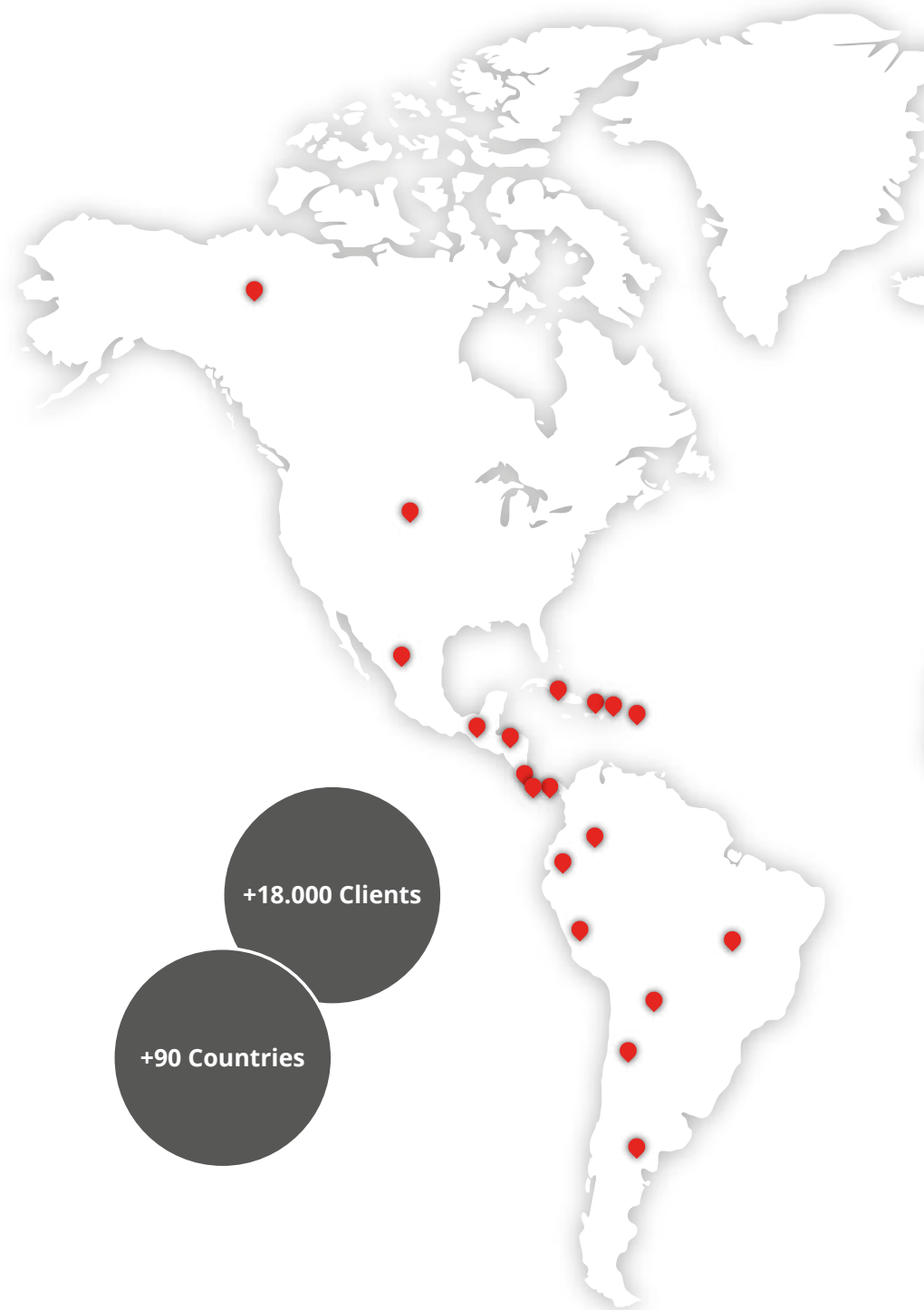
Hospitals, clinics, rehabilitation centers and private physiotherapy practices and also medical doctors provide different medical products to improve health condition after surgery or as a conservative approach of treatment. The main goal is to enhance the motoric skills of a patient.

The focus is the improvement of strength, endurance, coordination, velocity and flexibility. Specially planned and focused activities stimulate joints, muscles, tendons, ligaments and nerves. Also the motoric cortex gets a stimulus main part in the active exercise treatment.

For the patient who is doing rehabilitation, it is important that devices can be adjusted properly, progressed slowly and controlled in speed, range of motion and coordination. Due to improved capacity of the neuromuscular and cardiovascular system joints, muscles and cardiopulmonal system are very much relieved.

To manage and document the progress of the treatment, tests on devices are needed to lead to an individual treatment program, which is the focus of PHYSIOMED ELEKTRO-MEDIZIN AG developed products. The variation of the machines to adapt to the needs of a patient makes the difference of medical devices.

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# PHYSICAL THERAPY





**DEEP OSCILLATION Evident AESTHETICS**



**DEEP OSCILLATION Evident SPORTS**



**DEEP OSCILLATION Evident CLINICS**

## DEEP OSCILLATION /Evident

DEEP OSCILLATION is a unique internationally patented, non-invasive and non-traumatic non-traumatic therapy method. Through the use of of attraction and friction, electrostatic impulses the treated tissue into pleasant vibrations with vibrations with a deep biological effect. These vibrations, in contrast to other forms of thera forms of therapy, these vibrations have an extremely gentle and deep tissue components (skin, conductive tissue, subcutaneous fatty tissue, muscles tissue, subcutaneous fatty tissue, muscles, blood and lymph vessels).

For therapy, the patient holds a titanium contact element loosely between the fingers. Under the special gloves therapist's special gloves or a hand applicator with a special special structure (second contact), which is moved in circles over the over the tissue, the pleasant therapeutic effect of the pleasant therapeutic effect of deep oscillation.

The extremely gentle mode of action and the resulting early applicability and specific clinical effects make deep oscillation specific clinical effects make deep oscillation a unique therapy option, which is increasingly being used in in medical specialities that are rather atypical for specialist areas that are not typical of conventional physical therapies.

*Scan for more information!*



# DEEP OSCILLATION /Personal



**DEEP OSCILLATION Personal Basic**



**DEEP OSCILLATION Personal Home**



**DEEP OSCILLATION Personal Pro**

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**vocaSTIM-Master**

## **vocaSTIM**

**Developed for neuro-rehabilitation, ENT doctors and speech therapy**

vocaSTIM is suitable both for diagnosis and for therapy and follow-up of laryngeal paresis. In addition, vocaSTIM can also be used successfully for the alleviation of paresis-related swallowing and voice disorders.

The vocaSTIM therapy uses electrical pulses based on natural stimulation patterns to assist the neuro-muscular unit responsible for swallowing and for voice formation.

**Protection of the musculature in the event of parasitic images from damaged nerves**

Paresis-related inactivity of the musculature can lead to an irreversible degeneration of the musculature. Regular application of vocaSTIM therapy prevents this muscular degeneration. It is precisely at the damaged nerves that a start can then be made on the phoniatric exercises, because the patient can only perform the vocal exercises via the electric innervation of the larynx musculature.

*Scan for more information!*



# VACUUM APPLICATION

Vacuum application devices make it possible for you to apply stimulation current via vacuum electrodes. These suck from the tissue of the patient with the help of a smooth vacuum and allow for a fast and safe application without belts, plates or single use electrodes. Through this action and with it the associated blood flow stimulation, improved conduction qualities for the current are given. With smooth adjustments, pulsing waves of suction allow the therapy to stimulate even more.

Vacuum electrodes of a high quality, due to their soft contours, adapt ideally to the corresponding body contours.

With a special plunger suitable for vacuum application device the manual suction wave massage can also be implemented.



**PHYSIOVAC-Evident**



**PHYSIOVAC-Expert (3rd edition)**

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**LASS-Expert**

## LASER THERAPY

The therapeutic laser shower LASS-Expert is used for application on larger surfaces (e. g., in trauma, arthropathy, hypertonia of large muscles and dermatology).

It works with 21 laser diodes (2.100 mW Power output max.) and offers continuous output, alpha, Nogier, Bahr, Reiningger and multifrequency or freely selectable frequencies (software extension optionally available).

The infrared diode laser with a wavelength of 808 nm provides the best values of penetration depth and biostimulation efficiency according to latest scientific conclusions.



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# COMBINATION THERAPY

## The ultrasound transducers

The ergonomic ultrasound transducers offer maximum safety and reliability in terms of power output. They combine 1 and 3 MHz ultrasound in an extremely durable and biocompatible titanium transducer, thereby excluding metallurgical deposits and are also suitable for subaqueous treatment.



**IONOSON-Expert (3rd edition)**

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## MICROWAVE THERAPY

The modern PHYSIOTHERM-M microwave therapy unit enables continuous and pulsed energy output for thermal and athermal applications and features automatic output limitation. The extremely well-shielded, high-frequency connection cable provides troublefree operation. The smooth running castors with latches ensure good mobility and secure positioning of the PHYSIOTHERM-M. The easily adjustable supporting arms ensure quick and exact emitter placement. The high-quality and precisely manufactured connectors make it easy to change the emitter.



**PHYSIOTHERM-M**

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information!*



# MAGNETOTHERAPY

MAG-Expert provides magnetic field treatment with a fieldstrength of 1–100 Gauss (adjustable in steps of one Gauss) and a frequency range from 1–100 Hz, with two completely independent channels and treatment timer. Cylinders of 30 and 60 cm diameter as well as high performance applicators are available to maximise the efficiency of treatment.

MFC technology focuses the magnetic fields almost entirely on the inside of the cylinder. This avoids unnecessary exposure of the treatment team.



**MAG-Expert with coil (Ø 30 cm)**



**MAG-Expert with coil (Ø 60 cm)**



**MAG-Expert with set of applicators**

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# ELECTROTHERAPY

Electrotherapy is an important element of physical therapy. Current stimulation will treat the tissue via electrodes (plate electrodes, vacuum electrodes, adhesive electrodes) on the selected areas. Depending on the current mode and the selection of parameters (e.g. impulse form, impulse duration, pause time, frequency, intensity) the stimulation current can have significant effects in the following areas of treatment:

- Musculoskeletal pain
- Venous insufficiency/ulcers
- Pressure ulcers
- Muscle strengthening
- Iontophoresis



**PHYSIODYN-Expert (3rd edition)**

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# CRYOTHERAPY

The compact FRIGOSTREAM cryotherapy unit offers optimised performance in a minimum of space and is available in five different versions. It generates cold air with an adjustable current of air of up to 1500 l/min and thus enables targeted cooling of body areas with the recognised advantages over CO<sub>2</sub> and ice packs. If used correctly the risk of cold damage is excluded.

FRIGOSTREAM operates with an energy source that costs nothing – air – and is therefore always ready for use and has no resource replenishing problems. Like an air conditioning system, the ambient air is cooled down and blown onto the skin through a treatment tube without direct contact at temperatures of up to -60 °C (see technical data in catalogue at downloads below). Various tubes and nozzles permit easy targeted treatment.

The de-icing function, which requires no water emptying on the user's part (with the exception of C200/C600), is particularly user-friendly. The FRIGOSTREAM line refrigerant loop is a closed system and requires no maintenance whatsoever.



**FRIGOSTREAM**



**FRIGOSTREAM-Expert**

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**MAGCELL ARTHRO**



**MAGCELL MICROCIRC**

## **ELECTRODE-FREE ELECTROTHERAPY**

**MAGCELL ARTHRO** significantly improves general symptoms (WOMAC total score) and individual scores for pain, stiffness and daily activity in osteoarthritis (ARC criteria II and III). The therapy can be applied several times daily as a complementary treatment without side effects and may thus help to reduce intake of pain medication.

**MAGCELL MICROCIRC** can positively influence symptoms of neurotoxicities like sensory ataxia, neuropathy and neuropathic pain symptoms (especially CIPN I-IV) on hands and feet as a result of chemotherapy. Moreover a significant increase in nerve conductivity speed (ulnar nerve) was achieved by the treatment.

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information!*



# SHOCKWAVE THERAPY

The high-energy PHYSIOIMPACT-Expert enables a targeted, gentle and effective extracorporeal shockwave therapy. In addition to access via indication- and trigger-point index or the patient database, all parameters can also be individually selected.

The intelligent coupling of shockwave intensity and treatment frequency in the alternating or stepped treatment is outstanding. A constantly controlled change of intensity and frequency takes place during a treatment cycle, making treatment possible that is gentle on the cells. The self-healing powers of the body can be stimulated immediately during the treatment, which could be shown by the toleration of higher energies.

The ergonomic handpiece with overlaid material properties can be deployed with four different-sized applicator attachments, which are specially tuned to the different indications.



**PHYSIOIMPACT-Expert**

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Home of our brand



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