



PHYSIOMED ELEKTROMEDIZIN AG

●●● PHYSIOMED® | **proxomed**® | ERGOFIT

**SOLUTIONS FOR  
PHYSICAL THERAPY AND  
ENDURANCE TRAINING**

**Physical Therapy  
Endurance Training  
Software**

**INDIVIDUAL  
SOLUTIONS  
2024**

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COLOUR-CODE:





## 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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- United Kingdom
- United States
- Uzbekistan
- Vietnam



# 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 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 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**

*Scan for more information!*





**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.

*Scan for more information!*



# 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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information!*





**PHYSIOTHERM-M**

## 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.

*Scan for more  
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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information!*



# 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<sup>2</sup> 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**

*Scan for more information!*





**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.

*Scan for more  
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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**proxomed<sup>®</sup>**

**ERGOFIT**

# ENDURANCE TRAINING



**Basic Cycle**



## kardiomed 700

Our kardiomed 700 devices fulfill the stringent requirements for rehabilitation and health training in the field of medical training therapy.

### Your advantages

- Magnetic induction brake system
- Real time monitoring of all devices on a central station
- High resolution color touchscreen
- RFID system
- High standard training and user comfort
- Different endurance tests through interface port RS232
- Different integrated training programs and profiles
- Individual training plan based on endurance test result
- ECG accuracy single-channel pulse measurement by a POLAR device
- Tested safety in accordance with the European Medical Device Regulation (MDR)

» Software see pages 31/32

*Scan for more  
information!*



# kardiomed 700



Comfort Cycle



Upper Body Cycle



Cross Walk



Stair





# CARDIO 4000/CARDIO 400

Our medically certified Cardio devices enables a healthy and effective training in physiotherapy practices, rehab facilities and fitness centers.

Our goal is to offer your therapists, trainers and trainees the best possible technology for healthy and effective fitness training. Our cardio devices meet the highest demands for daily professional use. In addition to first-class workmanship paired with creative ideas, they offer unmatched ease of use and convincing details. This makes the cardio devices perfectly suitable for medical fitness training, physical therapy, rehabilitation clinics and the private healthcare market. Our cardio devices are characterised by a particularly low initial load for use in therapy and are also suitable for people with a high body weight.

» Software see pages 34/35



Scan for more information!



**Cycle 4000**



**Cross 4000**



**Recumbent 4000**



**Circle 4000**

**CARDIO 4000/CARDIO 400**



**Stair 4000**



**Trac 4000**



**Cycle 407 Med**



**Cycle 457 Med**

# kardiomed 540

Our kardiomed 540 devices are some of the only cordless devices independent from power supply, which makes them sustainable products. But nevertheless all devices meet the regulations of the European device directives to use the products with patients.

## Your advantages

- Mains-independent operation
- Durable, clear 7-inch touch display
- Wide range of networking options for the new control unit (RFID, NFC, barcodes) (optional)
- Free cross-over with ergometers
- Tested safety in accordance with the European Medical Device Regulation (MDR)



Scan for more information!



**Basic Cycle**



**Comfort Cycle**



**Cross Walk**



**Stair**



Upper Body Cycle



Upper Body Cycle Wall



kardiomed Pluto

## kardiomed 540

## kardiomed Pluto

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**proxomed<sup>®</sup>**

**ERGOFIT**

**SOFTWARE**

# proxoforce

## Trendsetting Diagnostic and Training controlling Software for Exercise Therapy

The proxoforce training planning and control software supports therapists/trainers and patients through the entire course of treatment in the acute, development and retention phases and in various specialist fields, such as orthopaedics, traumatology, neurology and secondary prevention.

The software supports doctors, physiotherapists, sports therapists and trainers in the planning and execution of strength tests and training programmes in auxotonic and isometric working conditions, as part of medical training therapy.



Scan for more information!

# proxoforce

## Features

- Training planning via Profile, Free and Template based
- Interface HL7, THEORG as well as Import/Export
- Profile consists of: ICD-Code, training condition, training goals for strength and endurance, focus on body region and proportion of endurance in the automatic training plan
- Integration of ICD-Codes for documentation and plan creation
- Pyramid training for strength
- Interval training for endurance
- Implemented IPN-Test, WHO max, 6MWT and Steep Ramp
- Extension of the Free Exercises with the FE-Editor
- Multi-Tenancy



**Infopoint**  
Patient and Client Terminal



**Workoutpoint**  
Presenting Functional Activities





# smart assist

## User-friendly Touchscreen with Various Feedback Curves

The smart assist system is the most important part for tergumed 710, compass 600 and an option for compass 540 line. It can be connected with the patented ultrasonic measuring sensors, as well as force, position and pulse sensors. Through integrated RFID system smart assist can activate the training and implement the visual feedback training in the right position, which is an individual training. For that reason the system is a secure system for patient and client.

### Your advantages

- Intuitive operator guidance via an 8" touchscreen monitor
- RFID reader
- Medical LAN Isolator
- Ultrasonic sensors for automatic weight detection
- Sub-max. strength test and ROM test
- Isometric test\*
- Visual feedback strength training with various curves
- Connection to position sensor for precise positioning in real time
- Connection to pulse sensor for pulse monitoring in real time
- Quick start and Power training program for training without card
- Multi languages



Highlights



Integrated various testing



Isometric strength testing with curve



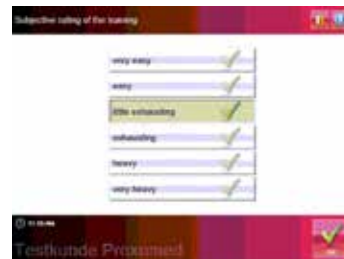
Various curves for feedback-training



Weight detection with Ultrasonic sensor



Positioning with position sensor



Subjective rating of training



Scan for more information!

# Vitality Care

## The digitisation of your training space

Digitisation in training means more possibilities for you: intensive customer focus, the documentation of individual progress, visual exercise demonstrations, personal feedback – from anywhere and at any time. Our Vitality Care enables you to have comprehensive integration of your entire training space and manage all customer information with just one click.

### More time to provide your patients and members with individual support

Manage and direct the success of your patients' and customers' training. With the aid of the modules, you create a customised training plan that fits all customer needs in just a few clicks. Thanks to the training analysis, you can observe your customers' individual progress and provide long-term support. Supplement the training as needed with free weight/bodyweight exercises for overall success.

### Simple and time-saving training for your members

Using our training wristbands and RFID technology, your members can log in at the start of training simply and intuitively. The personal training data and settings can be stored for each target group according to the therapist's or trainer's instructions and are automatically saved. The highquality touch screens ensure optimal visualisation as training support with real-time feedback.

Software  
for  
**ERGOFIT**  
products



## VITALITY ANAMNESIS

Professional master data portal on medicine-relevant training history:

- Anamnesis tool for automated classification according to WHO Diseases (ICDWHO)
- Commenting feature for relevant training information in patients
- Optimal detection of diseases as part of the current medical training therapy

## VITALITY STATISTICS

Complete training documentations with analyses and statistics:

- Utilisation of the facility and training areas
- Utilisation of equipment
- Individual user statistics
- Personalised training data for members and patients

## VITALITY TRAINING

Personalised and individual training planning:

- Unlimited possibilities of individual training planning of patients and members
- Function of automated training template for time-efficient training planning
- Simple drag and drop system for device and workout selection
- Exercise extension with creating free exercises

## VITALITY MARKETING

Targeted ads on your training displays as an optimal advertising material:

- Customised advertisements for different target groups
- Modern practice presentation (courses, in-house events, new concepts)
- Tailored patients and member information (Do good and talk about it!)
- Varied entertainment (news, product information ...)

# Vitality Care

## Your benefits

- Comprehensive training monitoring with the Vitality Care enables efficient and health-oriented fitness training.
- Your employees have their workload reduced and have sufficient time for providing direct support to your clients.
- Your members are guided personally in all training phases.
- Your employees and trainees receive a detailed training evaluation, including success concept and comprehensible feedback.
- Satisfied clients will remain faithful to your institution and will gladly recommend it to others.
- You can manage more trainees individually in a shorter time.

## Benefits for your clients

- Quick and easy operability facilitates training especially for beginners and older trainees.
- Exercise execution errors will be avoided as well as wrong device settings.
- Visual representation of the personal training process enables simple orientation.
- Perfect individual care of your trainees through VITALITY CARE.
- Shorter more effective units for your trainees.

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Home of our brand



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