

MORE DIAGNOSTIC AND THERAPEUTIC OPTIONS FROM PHYSIOMED GROUP



LASERTHERAPY



Optimal penetration depth, excellent bio-stimulating effect and easy handling with LASS-Expert



ELECTROTHERAPY



Strengthening of the muscles after immobilisation and to support muscle training with PHYSIODYN-Expert (3. Edition)



CRYOTHERAPY



Cold-air therapy with FRIGOSTREAM-Expert is based on surface cooling and local reduction of the tissue temperature



SHOCKWAVE THERAPY



Pain therapy and trigger point treatment by PHYSIOIMPACT-Expert accelerate the body's self-healing powers



FUNCTIONAL MEDICAL STRENGTH TRAINING



compass 540 line and compass MTT line offer a comprehensive range of fully biomechanically developed strength training devices for all target groups



EFFICIENT AND VARIED BACK PAIN THERAPY



tergumed 710 offers a holistic back concept for preventive and rehabilitative treatment



GAIT TRAINING AND THERAPY



For athletics training, performance diagnostics and rehabilitation. All sophisticated treadmills offer a wide range of options and accessories.



UNIQUE DIAGNOSTIC AND TREATMENT SYSTEMS IN

SPORTS MEDICINE

[physiomed-group.com](https://www.physiomed-group.com)



Our brands

●●● PHYSIOMED® | proxomed® | ERGOFIT

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CON-TREX®

Neuromuscular diagnostic and therapy systems for biomechanical testing, training and therapy

Main applications

Performance Diagnostics:

Testing of muscle strength/endurance to determine the muscular status especially in the framework of screening or assessing the suitability of athletes to specific sport events.

Rehabilitation Monitoring:

Testing of athletes following injury and during rehabilitation, for assessing residual deficiency in several parameters with the aim to return to the initial state (pre-screen before injury obligatory).

Injury Prevention:

The potential risk of injury can be determined on the basis of various isokinetic parameters.

„Due to its high precision, the CON-TREX® MJ allows us an extremely effective progress monitoring of rehabilitation until the athletes are completely recovered.“

*Pepe Silva Moreno,
trainer of the ALBA BERLIN Basketball Team*

„We use the CON-TREX® in our scientific intervention studies to determine changes in the functional capacity with respect to strength and power of the entire leg extensor and flexor chain. The measurement is highly relevant because it represents the physiological multiple joint movement pattern. Further the system is robust and extremely precise.“

*Dr. Simon von Stengel
Institut of Medical Physics, University Erlangen,
Germany*



Bennet Hundt from ALBA BERLIN Basketball Team training after a fracture of his metatarsus

CON-TREX® MJ

Multijoint module for testing and training the major joints



CON-TREX® TP 500

Isokinetic back module for trunk flexor and extensor muscles



CON-TREX® WS

Isokinetic WS for the analysis and training of the complex motion patterns, sports or activities of daily living (ADL)



DEEP OSCILLATION

Unique, patented, non-invasive and atraumatic therapy technique based on biologically effective oscillations using electrostatic attraction and friction

Main applications

Traumatic Injury and Overstraining:

Deep oscillation has an anti-inflammatory and oedema-reducing effect, directly stimulates self-mobilization in areas relieved of pain and thus enables an earlier return to active forms of therapy and training.

Pre- and Postoperative Therapy:

Swellings and oedemas can be relieved considerably faster than with conventional therapies. Healing processes are stimulated and accelerated, local inflammation is inhibited and pain is reduced over a sustained period.

Training Aftercare and Performance Stabilization:

Deep oscillation is known for its direct effect against microtrauma (muscle aches). Roughage and cell remains are removed quickly through the treatment. This promotes a more effective nutritional supply to the muscle cells, thus accelerating the restoration to optimal performance. Regeneration times in the systematic training process can thus be reduced.

„...an additional positive effect of deep oscillation [in the treatment of fresh lateral ligament injuries of the ankle] is observed in terms of reduction of edema and hematoma, detumescence, pain and inflammation.“

Aliyev R.M. (2012)

„Deep Oscillation can not only be used in the therapy of injuries and diseases. Our study results show that it also has potential as accompanying training measure to significantly impact regeneration and restitution of neuromuscular performance after football matches or training.“

*Dr. Simon von Stengel
Institut of Medical Physics, University Erlangen,
Germany*

„With deep oscillation we were able to significantly shorten our regeneration times.“

Henrik Lange, physiotherapist of the ALBA BERLIN Basketball Team

„DOT (deep oscillation therapy) is beneficial in the treatment of LE (lateral epicondylalgia) and may further enhance the benefit from local steroid injection.“

O'Brien C.P., Watson A. (2016)



Physiotherapist Henrik Lange doing decongestive MLD supported by deep oscillation after training



German handball national team used deep oscillation during the World Championship in 2007 and won the event

DEEP OSCILLATION Evident

Two-channel deep oscillation unit for professional use



DEEP OSCILLATION Personal Pro

Deep oscillation unit for mobile use or to continue treatment at home

