



The biological effect of shock waves can be specifically utilized
Tissue Regeneration Technology
to generate new tissue formation and successfully
treat skin lesions

derma**gold**100



A Company of  TRT

dermagold100 – Tissue Regeneration Technology

With dermagold100, MTS launches a multi-talented premium device.

Progressive operating technology, exclusive design and the latest MTS technology guarantee shock wave therapy at its best.

Touch screen and touch wheel ensure easy appliance and progressive operating technology for daily use. The modern and compact design particularly qualifies dermagold100 for portable use. High-quality materials and the latest MTS technology guarantee most consistent shock waves for optimal treatment quality.



dermagold100 represents the first therapy system which specifically utilizes the biological effects of shock waves. In cooperation with TRT Tissue Regeneration Technologies LLC, USA, MTS opens up a new field of therapy for chronic wounds and skin lesions.

The effectiveness of ESWT is fully proven for numerous indications. Recent research has shown that shock waves have highly beneficial effects on skin lesions. It is proven that tissue which is exposed to shock waves initiates the production of VEGF (vessel endothelial growth factor), which in turn activates the growth of new blood vessels. In addition, it has also been established that shock waves produce an antibacterial effect. The combination of these two effects initiates a healing process in skin lesions and stimulates the development of new tissue.

Indications approved for dermagold100

- Non-healing lesions
- Acute and chronic lesions
- Post traumatic lesions
- Post-operative healing disorders

Indications under investigation

- Venous ulcers
- Arterial ulcers
- Decubitus ulcers
- Diabetic foot syndrome
- Burns



Picture 1: Infection after dog bite

Picture 2: Situation after shock wave treatment

Tissue regeneration - unfocused applicator

The clinically tested unfocused applicator, an innovation of MTS & TRT group, emits unique and mainly unfocused shock waves that are specially designed for skin indications. To achieve optimal treatment results the energy volume and energy arrangement were accommodated for the treatment of skin lesions.

Treatment without anaesthesia

The treatment does not require any anaesthesia because the broad surface distribution of the optimal treatment energy with the dermagold100 applicator significantly reduces the pain associated with shock wave treatment. The number of required treatments for each skin lesion varies, depending on the type of lesion and the wound surface.



Picture 1: Infection after trauma injury

Picture 2: Situation after shock wave treatment

dermagold100



Technical Data

Applicator OP155

Therapeutic Focus fz (-6dB):	0 - 82 mm
Energy Flux Density (ED):	0.01 - 0.19 mJ/mm ²
Focus Energy (E total / -6dB):	0.40 - 3.88 mJ

Dimensions:	21.8 x 40 x 45.9 cm
Power Supply:	AC 100 - 240 V, 50 - 60 Hz
Power Input:	200 VA
Repetition Rate:	0.5 - 8 Hz
Weight:	16.5 kg

MTS Europe GmbH and TRT Tissue Regeneration Technologies LLC are at the forefront of non-invasive healing and regeneration of tissue by means of intelligent shock wave application.

Our interdisciplinary team of physicians, biologists, physicists and engineers co-operates in research and development with world-renowned universities and scientific research institutions to set the standard for new treatment methods.

An international network of partners and distributors provides our customers the highest level of expertise and reliability.

Experience the new gold standard: intelligent shock waves for better quality of life.

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