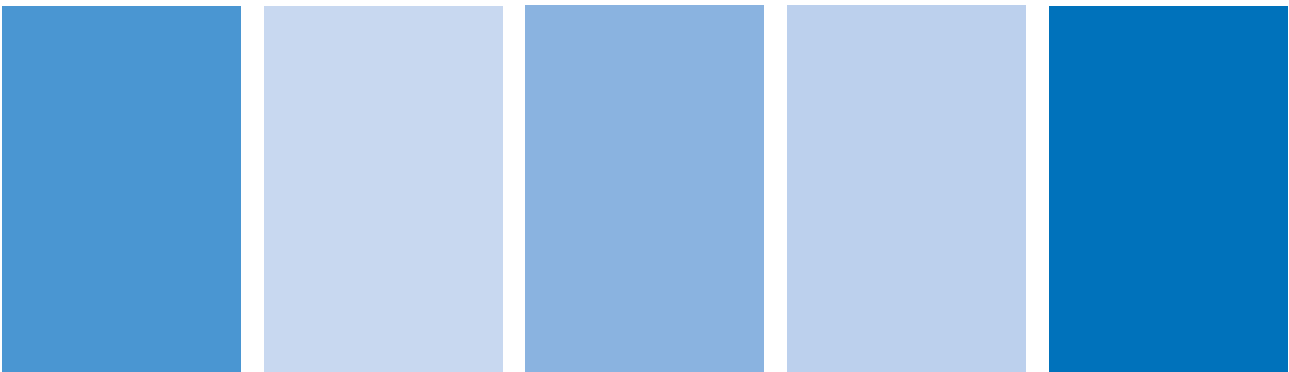


SPARK WAVE® THERAPY
EFFECTIVELY TREATING A WIDE RANGE
OF DERMATOLOGICAL INDICATIONS

POST-TRAUMATIC LESIONS / DIABETIC FOOT ULCERS / BURNS

dermagold100®



dermagold100[®] – MTS SPARK WAVE[®] TECHNOLOGY

dermagold100, MTS's premium and versatile therapy device for the treatment of a broad spectrum of dermatological indications. Intuitive operating technology, smart design and highly advanced MTS Spark Wave Technology guarantee shock wave therapy at its best.

Advanced Spark Wave Technology guarantees the most effective shock waves, consistently providing superior treatment quality and optimal treatment results.

An ergonomic touch screen and touch wheel control panel, together with a light-weight handheld applicator, ensure an easy operating experience for the user.

A compact design enables **dermagold100** for portable use when mobility is required. Specially fabricated hardcases for safe and secure transfer of the device are available.



SPARK WAVE® THERAPY FOR DERMATOLOGICAL INDICATIONS

Tissue regeneration with Spark Wave Therapy

Spark Waves promote sustainable regeneration of blood vessels and skin as well as of musculoskeletal and nervous tissues, which has been widely proven by comprehensive research and numerous clinical trials.

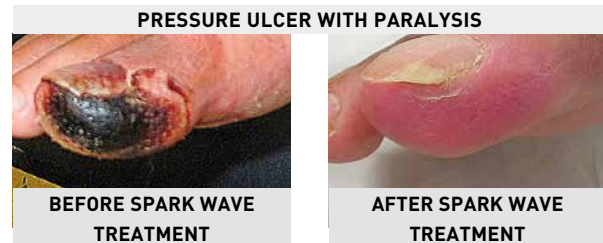
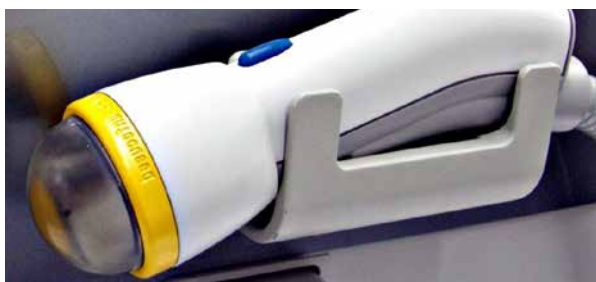
Spark Wave Therapy has a highly beneficial effect on most every kind of tissue. Cells that are treated with Spark Waves upregulate the expression of VEGF (vascular endothelial growth factor) and other growth factors, which activate neovascularisation, tissue remodelling and regeneration.

Additionally, the anti-inflammatory as well as the antibacterial effect of Spark Waves, in combination with various other biological regeneration processes, support the natural self-healing of the diseased tissue.

The efficacy of Spark Wave Therapy has been thoroughly proven in clinical studies and state-of-the-art research has demonstrated its curative effects on dermatological indications.

Treatment with dermagold100 stimulates healing processes at the cellular level:

- Activating endogenous growth factors (e. g. BDNF, BMP, FGF-2, IGF-1, NO, PCNA, PLGF, TGF- β , VEGFs)
- Inducing stem cell proliferation and migration
- Stimulating neovascularisation and angiogenesis
- Enhancing blood circulation and cell metabolism
- Reducing cell apoptosis and tissue necrosis
- Acting anti-inflammatory and antibacterial
- Stimulating the catabolism and the natural anabolic growth function of tissues (blood and lymphatic vessels, skin, connective tissue, bones, cartilage, tendons, joints, smooth and striated muscles, nerves ...)
- Promoting tissue remodelling and regeneration



Ideal choice of applicators for optimal treatment results

The OP155 applicator, which emits unique unfocused shock waves, is specially designed for dermatological indications.

The unique wide focal zone offers pain-free treatment and therefore requires no anaesthesia.

The OP155 applicator features MTS's highly sophisticated SmarTrode® technology, which provides consistent Spark Wave performance quality.

Unfocused applicator OP155

Perfectly suited for

Wound care:

- > Post-traumatic lesions
- > Post-operative healing disorders
- > Diabetic foot ulcers
- > Burns

Aesthetics:

- > Cellulite
- > Scarring / stretch marks
- > Lymphoedema

Benefits of dermagold100® at a glance

- Safe and effective therapy system for regenerative medicine
- Promotes wound healing
- Effectively improves the appearance of cellulite, stretch marks and scars
- Non-invasive, tissue-conserving, painless and highly efficient method to enhance dermal tissue remodelling and regeneration
- Strengthens and rebuilds connective tissue which visibly improves the skin's elasticity and resistance
- Activates the metabolism and proliferation of progenitor cells
- Improves blood flow, lymph circulation and tissue perfusion
- Regenerative and anabolic action
- Anti-inflammatory and antibacterial effect
- Analgesic power
- User-friendly and patient-convenient
- Premium MTS Spark Wave® Technology



dermagold100®

TECHNICAL DATA

Dimensions:	21.8 x 40 x 45.9 cm
Weight:	18 kg
Power Supply:	100 - 240 VAC, 50 - 60 Hz
Power Input:	200 VAC
Frequency:	0.5 - 8 Hz

Applicator OP155 unfocused

Max. Penetration Depth [- 6 dB]:	61 mm
Max. Penetration Depth [5 MPa]:	119 mm
Energy Flux Density (EFD):	0.005 - 0.176 mJ / mm ²
Acoustic Pulse Energy (E_{total} / - 6 dB):	0.40 - 3.88 mJ
Acoustic Pulse Energy (E_{total} / 5 MPa):	0.40 - 17 mJ

MTS Medical specialises in the research, development and manufacturing of Spark Wave® Therapy systems. Our therapy systems are successfully used worldwide in the healthcare fields of orthopaedics, physiotherapy, traumatology, urology, wound care and aesthetics. MTS therapy systems utilize MTS's own patented Spark Wave® Technology, which guarantees the most effective shock waves for pain-free, high quality treatment as well as quick and excellent treatment results.

Let yourself be convinced by the Spark of Evidence.



ESWT
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