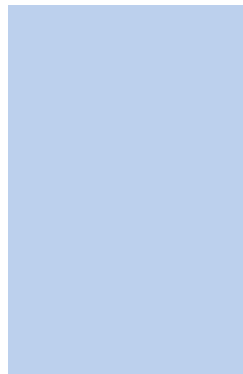
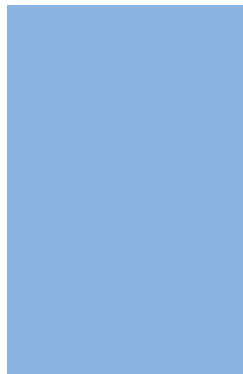
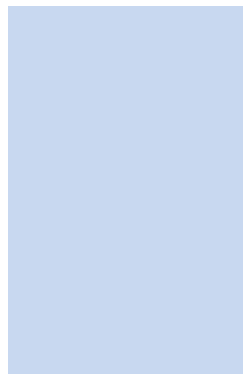
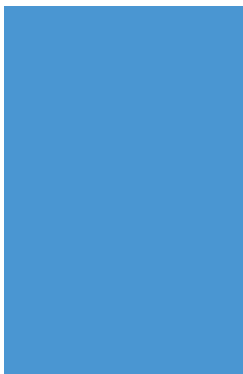


SPARK WAVE® THERAPY
EFFECTIVELY TREATING A WIDE RANGE
OF AESTHETIC INDICATIONS

CELLULITE / STRETCH MARKS / SCARS

dermagold100® – Aesthetics



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

dermagold100, MTS's premium and versatile therapy device for the treatment of a broad spectrum of dermatological and aesthetic 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 AESTHETIC 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 and aesthetic 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

Cellulite “orange peel syndrome”

- Herniation of the subcutaneous fat within the connective tissue, particularly in the buttocks, thighs and belly regions
- Highly prevalent: 85 - 95 % of post pubescent females are affected
- Fibrosclerosis of the skin, caused by changes in the metabolism, sex-specific skin architecture, alteration of the connective tissue and extracellular matrix, hormonal factors (estrogen), genetic factors, the microcirculatory (blood and lymphatic) system and lifestyle factors



Ideal choice of applicators for optimal treatment results

The OP155 unfocused applicator, which emits unique soft-focused 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 SmarTrobe® technology, which provides consistent Spark Wave performance quality.

Unfocused applicator OP155

Perfectly suited for the treatment of

- › Cellulite (gynoid lipodystrophy)
- › Scarring / stretch marks (striae cutis distensae)
- › Lymphoedema

Stretch marks (striae)

- Also a form of scar, caused by tearing of the dermis and epidermis due to rapid stretching of the skin
- May be influenced by hormonal changes
- Fibroblasts do not form enough collagen and elastin, which creates a lack of supportive material that is necessary to keep rapidly growing skin taut

Scars

- Fibrous tissue that replaces the original skin after injury as a natural process of wound repair
- Normal scarring can be impaired by disturbed expression of collagen and / or loss of the underlying, supportive tissue, which interferes with the normal regeneration process and leads to painful and unsightly hypertrophic or atrophic scars

Lymphoedema

- Localised fluid retention and tissue swelling
- Caused by a compromised lymphatic system, which normally returns interstitial fluid to the blood stream
- Tissues with lymphoedema are at high risk of infections

Benefits of dermagold100® at a glance

- Safe and effective therapy system for regenerative medicine
- Effectively improves the appearance of cellulite, stretch marks and scars
- Promotes wound healing
- Non-invasive, tissue-conserving, painless and highly efficient method to enhance dermal tissue remodeling 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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