Spark Wave® Therapy
urogold100®

Effectively treating a wide range of urogenital indications

Peyronie's Disease / Erectile Dysfunction / Chronic Pelvic Pain



Witness. The Spark of Life.

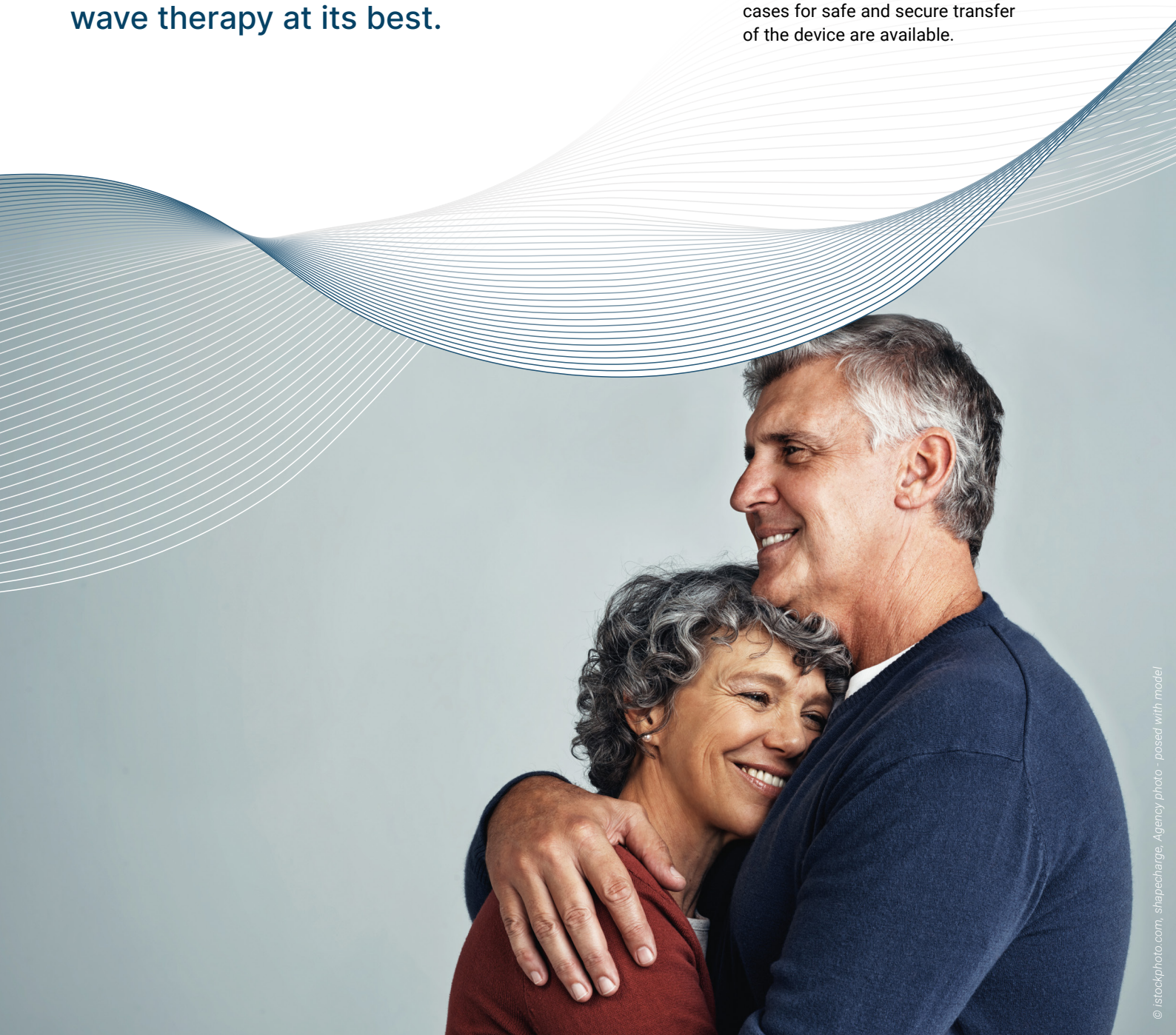
urogold100® – Spark Wave® Technology

urogold100®, MTS' premium and effective therapy device for the treatment of a broad spectrum of urogenital 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 highly effective shock waves, consistently providing supreme treatment quality and optimal treatment results.

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

A compact design enables **urogold100** for portable use when mobility is required. Specially fabricated hard-cases for safe and secure transfer of the device are available.



© istockphoto.com, shapecharge, Agency photo - posed with model

Spark Wave® Therapy for Urogenital 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 urogenital indications.

Treatment with urogold100® stimulates healing processes at the cellular level:

- Activating endogenous growth factors (e. g. BNDF, BMP, FGF-2, IGF-1, NO, PCNA, PLGF, TGF-ß, 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

Recommended choice of applicator for optimal treatment results

urogold100 utilises two specially designed applicators to treat a specific set of urogenital indications.

All MTS applicators feature MTS' highly sophisticated SmarTrode Technology, which provides consistent Spark Wave performance quality.

Applicators are easily interchangeable with the device and offer the user an economical and practice-oriented treatment.

Unfocused applicator OP155

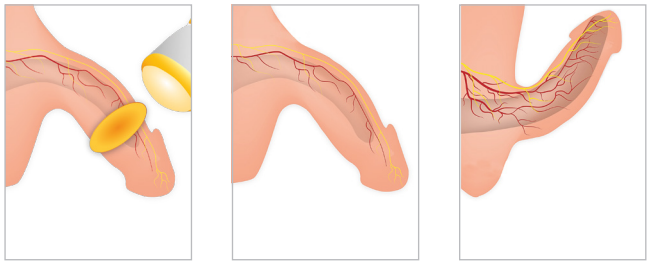
Recommended for the treatment of
- Erectile Dysfunction (ED)
- Chronic Prostatitis / Chronic Pelvic Pain (CPPS)

Focused applicator OE050

Recommended for the treatment of
- Peyronie's Disease / Induratio Penis Plastica (IPP)

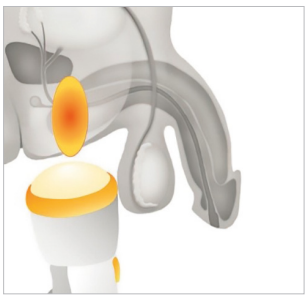
Erectile Dysfunction

The unfocused applicator OP155 ensures an even distribution of Spark Waves over the entire corpora cavernosa for a maximal stimulation of angiogenesis.



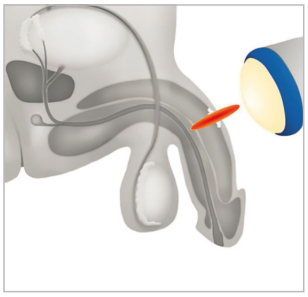
Chronic Pelvic Pain

The unfocused applicator OP155 is perfectly suited for the treatment of inflammatory pain in the prostate, pelvis and urinary tract (in male and female patients).



Peyronie's Disease

The focused applicator OE050 allows a precise targeting of the focus on the plaque within the penis shaft.



OW100
The Allrounder

The flagship shock wave device for effective and high-quality treatment results.

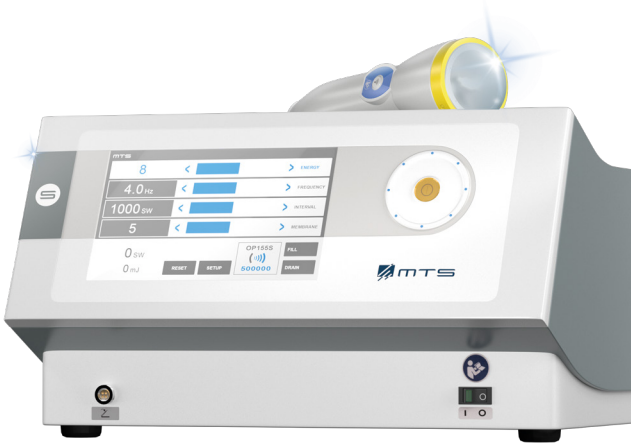
The ideal introduction to Spark Wave Therapy.

OW100S
The Professional

+ 5x

more Spark Waves thanks to the new generator technology.

Suitable for extensive and larger treatment volumes.



Technical Data

urogold100 OW100 / OW100S	
Dimension:	21.8 x 40 x 45.9 cm
Weight:	18 kg / 21 kg (OW100S)
Power Supply:	100–240 VAC, 50–60 Hz
Power Input:	200 VAC
Frequency:	0.5–8 Hz
Applicator OP155 / OP155S unfocused	
Max. Penetration Depth (-6 dB):	55,2 mm (E5/E6)
Max. Penetration Depth (5 MPa):	118,6 mm
Energy Flux Density (EFD):	0.005–0.176 mJ / mm²
Acoustic Puls Energy (E_{total} / -6 dB):	0.40–3.88 mJ
Acoustic Puls Energy (E_{total} / 5 MPa):	0.40–17.00 mJ
Applicator OE050 / OE050S focused	
Max. Penetration Depth (-6 dB):	45.7 mm
Max. Penetration Depth (5 MPa):	60.0 mm
Energy Flux Density (EFD):	0.03–0.27 mJ / mm²
Acoustic Puls Energy (E_{total} / -6 dB):	0.30–6.15 mJ
Acoustic Puls Energy (E_{total} / 5 MPa):	0.61–19.50 mJ

Benefits of urogold100® at a glance

- Safe and effective therapy system for regenerative medicine
- Restores functionality of penile tissues
- Non-invasive, tissue-conserving and gentle long-term solution to improve urogenital disorders
- Activates the metabolism and proliferation of progenitor cells
- Improves blood 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

MTS Medical specialises in the research, development and manufacturing of Spark Wave Therapy systems. Our therapy systems are successfully used worldwide in the health-care fields of chiropractic, orthopaedics, physiotherapy, traumatology, urology, wound care and aesthetics. MTS therapy systems utilise patented Spark Wave Technology, which guarantees highly effective shock waves for high quality treatment as well as quick and excellent treatment results.

Let yourself be convinced by the Spark of Life.

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