we know shock wave

MASTERPULS® »ultra« line
ADVANCED RADIAL SHOCK WAVE THERAPY

STORZ MEDICAL
»We have a passion for communicating with each other. We have a way with combining ambitious design and functionality.«

Dr Gerold Heine, CEO STORZ MEDICAL AG
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There is no talking about shock waves today without talking about STORZ MEDICAL, too. When Dr hc Karl Storz laid the foundations of the KARL STORZ Group back in 1945, it was hard to imagine what an enormous influence the products from this think tank would have not only on endoscopy but also on shock wave therapy. STORZ MEDICAL’s presentation of the first worldwide prototype of a urological shock wave device in 1988 was followed by a series of technological innovations in the field of extracorporeal shock wave therapy. Non-invasive solutions for urgent problems in urology, cardiology, neurology, dermatology and orthopaedics, for example, consolidated the reputation of STORZ MEDICAL as the leading enterprise in shock wave technology in the world.

The further development of non-invasive and patient-friendly treatment methods will certainly keep STORZ MEDICAL busy in the future and leave the company no time to rest on its laurels.
STORZ MEDICAL shock wave devices are designed for longevity. This is why only high-quality materials and components are used. The optical lightness of the MASTERPULS® »ultra« is supported by the use of anodised aluminium. The inspiring simplicity of good design consistently paves the way towards sustainable innovations.

Thus, the MASTERPULS® »ultra« impresses with its pioneering »Single Frame Casing« and the monolithically designed pneumatic block, which ensures high operational reliability. Clear lines and a front design that resembles a propagating shock wave signal the power of the integrated, extremely silent »Air Power« drive and the dependability of this new shock wave device. As a result, the new MASTERPULS® »ultra« appears in a unique and confident fashion demonstrating progressivity, elegance and perfection at the same time – and ensuring stability of value.

**Quality in the details**

A passion for quality and design
Significant pain relief – satisfaction of patients

Examples of the manifold indications for MASTERPULS® »ultra«

What is probably most important for patients who suffer pain is to notice the success of the shock wave therapy right after the treatment, if possible. For these high expectations on the part of the patients, the MASTERPULS® »ultra« offers the best basis.

Trigger therapy

Thanks to the D-ACTOR® transmitter technology of the MASTERPULS® »ultra« handpiece, it is possible to smoothen out the muscle, as is required also in classical trigger therapy, quickly and with a durable effect.
Ballistic, non-tiring generation of shock waves

»Active-tip-control« display

Ergonomic and elastic anti-slip grip
Radial innovations – to extend the lead!

»Active-tip-control« display

The newly developed handpiece of the MASTERPULS® »ultra« with the »Active-tip-control« display is setting innovative standards in radial shock wave therapy. The ergonomic design of the handpiece ensures an efficient and non-tiring treatment.

All the main operating elements have been integrated into the handpiece. Frequency and energy levels can be adjusted directly via selector buttons. This makes working at the patient easier. The total number of applied shocks can be controlled well.

»Individual Parameter Setting«

The MASTERPULS® »ultra« handpiece offers an exclusive advantage: »Individual Parameter Setting« (IPS-Control) for all ESWT indications includes treatment parameters recommended by experienced users and ensures reliable pre-setting.

Example: »O-01« for metatarsalgia, »O-02« for achillodynia, »O-03« for calcific tendinitis, ...

Highlights

- Ergonomic design of the handpiece
- Innovative »Active-tip-control« display with pressure and frequency selection
- »Individual Parameter Setting« (IPS-Control) for different indications
- Non-tiring treatment

»Active-tip-control« display and operating elements

Increase application pressure
Set application pressure
Pre-set total number of shocks
Increase shock frequency
Set application frequency
Shock release

Open IPS-Control 
Indication of transmitter selection for chosen indications
STORZ MEDICAL has developed a transmitter programme especially for radial shock wave therapy and tailor-made for individual ESWT indications. State-of-the-art transmitter materials are used to optimize the transmission rate of shock wave energy into the pain region. At the same time, energy losses at the skin coupling surface are minimized. This research work has led to optimal treatment successes with the MASTERPULS® »ultra«.

**Patented shock wave transmitters – all the energy focused on the pain region!**

**A6**  
»Point«  
AkuSt®  
Shock wave acupuncture, trigger points

**C15**  
»Ceramic Energy«  
CERAmA-xt®  
Gel-free shock wave application at highest sound transmission rate for all kinds of enthesopathies

**D15**  
»Golden Depth«  
Deep Impact®  
Bundled energy for symptoms in deep target areas

**D20-S**  
»Standard Oscillator«  
D-ACTOR®  
Myofascial trigger therapy, especially for smoothening out muscular and connective tissues

**D20-T**  
»Golden Oscillator«  
D-ACTOR®  
High-energy use for deep muscular trigger points

**D35-S**  
»Large Oscillator«  
D-ACTOR®  
Myofascial trigger therapy of large muscle regions, especially developed for professional athletes
Please rotate the figure and select your indication

- Calcific tendinitis
- Radial/ulnar epicondylitis
- Trochanteric tendinopathy
- Patellar tendinitis
- Tibial stress syndrome
The purchase of a MASTERPULS® »ultra« provides access to the exclusive ICE Shock Wave Portal. There you will find up-to-date information from all fields of shock wave therapy. All you need is an Internet connection and a corresponding display device such as a smartphone, tablet or computer.

Up front, the website features the pillars of the portal: **Information**, **Communication** and **Education**.

**Information**: All the interesting fields of knowledge concerning shock waves are covered here to support you in your daily work and professional career. You catch up on the latest science without having to battle your way through the dense jungle of digital information.

**Communication**: This mainly means exchange of knowledge. You will not only receive information but you will also benefit from the experience of other users and can communicate directly with the STORZ MEDICAL team.

**Education**: This pillar is of outstanding importance. Through media such as literature and videos that are placed at your disposal you will permanently expand your competencies in the field of shock wave therapy. This allows you to keep your finger on the pulse all the time.

www.shockwaveportal.com

Online access to the exclusive ICE Shock Wave Portal

At a glance

**Information**
- Product information
- Medical practice marketing
- Operating instructions (also available as hardcopy attached to the product)
- Recommended links
- »Individual Parameter Setting« (IPS-Control)

**Communication**
- News blog
- Newsletter
- Q&A in the fields of shock waves, application, ultrasound diagnosis, physics and technology
- Contacts

**Education**
- Latest literature
- Recommended books
- Latest studies and field reports
- Dates of congresses, seminars and hands-on workshops
- Treatment tips by experienced users
- Training videos about application, revision and device handling

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Treatment video

Treatment instructions

Metatarsalgia

Step 1: R-SW
- Shock wave
- Power: 3000
- Time: 1.5 sec
- Distance: 8 mm

Step 2: R-SW
- Shock wave
- Power: 3000
- Time: 1.5 sec
- Distance: 8 mm
- Frequency: 100 khz

Step 3: V-Actor
- Shock wave
- Power: 1000
- Time: 1.5 sec
- Distance: 8 mm
- Frequency: 100 khz