EMFOCUS

Focus Shockwave Therapy

WHAT IS ELECTROMAGNETIC FOCUS SHOCKWAVE?

Electromagnetic focus shockwave technology is a newer generation technology. It discharges high-voltage electricity to the electric coil and to form a powerful pulse electromagnetic field energy. The electromagnetic wave generates a deep shock wave in the water. Its advantage is that the output energy is extremely stable, the focal length is long, and the lifespan of the electromagnetic generator is also long-lasting and stable.

EMFOCUS can provide deeper tissue with more depth penetration than radial waves, focusing its output on more localized and deeper regions. The position of the applicator on the skin is minimally affected, limiting damage to the surface skin and underlying soft tissues (safer and more comfortable).

EMFOCUS treats at defined spots within the body and is further adapted depending on the required depth. This accuracy feature makes Focused Shock Wave Therapy much better for treating deeper tissues within the body.

EMFOCUS - MECHANISM

The electromagnetic shockwave is based on the physical principle of electromagnetic induction. It enables very precise and highly sensitive dosing of the applied shock wave energy.
The shock wave source uses a special coil to focus the shock waves. Shock waves are generated in water outside the body and then transmitted to the biological tissue.

Shock wave generation

EMFOCUS - FOCAL ZONE

The focal zone is the area of maximum energy intensity. Its size is basically independent of the selected energy level. By contrast, the size of the treatment zone depends on the selected energy level and is generally larger than the focal zone.

Pressure distribution and focal zone

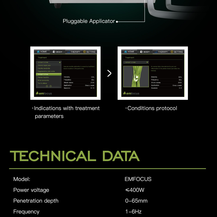
EMFOCUS - PENETRATION DEPTH

Dynamic penetration depth control. Adjust shock wave penetration depth by touch screen and energy levels by button on applicator. No need gel pads.

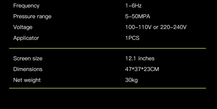
Dynamic control

EMFOCUS - COMFORT TREATMENT

Not only is the effectiveness better with Focused-ESWT, but the skipping-the-skin part means you don't stimulate the skin sensory network; this leads to a more comfortable session. And due to the comfort levels being better, higher doses can often be used.



Deep energy



RSWT vs FSWT

RADIAL SHOCKWAVE	FOCUS SHOCKWAVE
WAVE PROPAGATION	
Divergent Wave	Convergent Wave
PENETRATION DEPTH	
0–35mm	0–65mm
IMPULSE	
Slow	Fast
EFFECT	
Superficial Mechanical	Deep Mechanical
TARGET	
Skin, muscle	Skin, muscle, bones
NUMBER OF TREATMENTS	
More	Less
TREATMENT DURATION	
10 minutes	5 minutes
USAGE AREA	
Physiotherapy, orthopaedics, sport medicine, aesthetics	Physiotherapy, orthopaedics, sport medicine, urology, dermatology, cardiology, veterinary
MORE EFFECTIVE IN	
/	Erectile dysfunction, wound treatment

EMFOCUS - FEATURES

- Game-changing and affordable focus shockwave
- Wider clinical applications
- Well defined, precise focus — perfect for diagnosis and therapy
- Wide range of energy settings with a pulse rate of up to 6 Hz
- 12.1 inch large touch screen
- User-friendly software with treatment protocols and preset parameters
- No gel pad
- Easy-to-operate handle with intensity adjustment buttons

- Indications with treatment parameters
- Conditions protocol

TECHNICAL DATA

Model:	EMFOCUS
Power voltage	1400W
Penetration depth	0–65mm
Frequency	1–6Hz
Pressure range	5–50MPA
Voltage	100–110V or 220–240V
Applicator	19*CS
Screen size	12.1 inches
Dimensions	47*37*23CM
Net weight	30kg