MODUS COMBINED ESWT

Dual Mode in Shockwave Therapy
Focused & Radial Solution
for Veterinarians

İNCELER

Modus Combined ESWT
The Shock Wave Device features a touchscreen and combines both radial and focused shock wave technologies in a single system.

MODUS COMBINED ESWT
RADIAL AND FOCUSED SHOCKWAVE THERAPY

Radial and Focused Shock Wave Therapy in One Device, Now in Veterinary Use!

Modus Combined ESWT combines radial and focused shock wave technologies in a single device, offering an innovative treatment approach in the field of animal health. Thanks to its non-invasive nature, it can be safely applied for muscle, ligament, tendon, and soft tissue disorders; providing an effective and comfortable healing process.

Radial shock waves are effective on superficial tissues, while focused shock waves reach deeper tissues to support regeneration, enhance circulation, and accelerate healing.

With its compact design, wide range of applicator heads, and user-friendly interface, Modus Combined ESWT is ideal for both clinical and field use. Thanks to its dual technology, it offers veterinarians the flexibility and therapeutic power they need—all in one device.

MODUS COMBINED ESWT
SHOCK WAVE THERAPY DEVICE

Modus Combined ESWT Shock Wave Device combines radial and focused shock waves in a single device, offering a versatile and effective treatment solution. This non-invasive method increases blood flow in the area of discomfort, activating the body's natural healing mechanisms and supporting tissue regeneration.

Dual Modality Therapy
Combining radial and focused shock waves, the device provides comprehensive treatment options targeting tissues at different depths.

High Power & Wide Adjustment Range
The radial shock wave mode offers frequencies up to 22 Hz and impulse pressure up to 5 bar, while the focused shock wave mode is adjustable from 1 Hz with 25 power levels, allowing customization according to patient needs.

Advanced Touchscreen Interface
The color touchscreen offers a user-friendly experience. Treatment parameters can be easily monitored and adjusted in real time during therapy sessions.

Patient Monitoring System
Built-in patient record and tracking menu helps manage treatment processes more efficiently.

Ready-to-Use Treatment Protocols
The system provides visual and written guidance for ease of use. Various applicator heads are available for different needs in radial therapies.

Automatic and Manual Control
The device stops automatically after the preset number of pulses is reached, but can also be manually controlled by the user if desired.

Modus Combined ESWT is an innovative device optimized to meet the needs of healthcare professionals, equipped with advanced technology to simplify modern treatment procedures.

MODUS COMBINED ESWT
RADIAL AND FOCUSED SHOCKWAVE THERAPY

Modus Combined ESWT
Radial Handpiece

Modus Combined ESWT
Focused Handpiece

DUAL MODE TECHNOLOGY

F-50 Head

Penetration Depths

- 68,50 mm
- 28,50 mm
- 12,o0 mm
- 84,50 mm

Modus Focused ESWT offers highly effective treatment with penetration up to 84.50 mm. The powerful energy reaching deep tissues helps you achieve fast and effective results.

MODUS COMBINED ESWT
RADIAL AND FOCUSED SHOCKWAVE THERAPY

MODUS COMBINED ESWT
FOCUSED HANDPIECE FEATURES

More efficient treatments with high-level energy transfer and ergonomic design.

Advantages for the User

> Provides full energy transmission to anatomical regions.
> Ergonomic design prevents hand fatigue, offering comfort during prolonged use.
> Lightweight and balanced design enables easy maneuverability.
> Durable structure ensures long lifespan and requires no maintenance.

Higher Energy Output

Provides optimal results by delivering concentrated energy to the treatment area

Deep Penetration

Speeds up the healing process by delivering effective energy to deep tissues.

Fast and Effective Treatments

Shortens treatment time, saving both time and effort.

MODUS COMBINED ESWT
RADIAL HANDPIECE FEATURES

Enhance your treatment efficiency with the Modus Radial ESWT handpiece. While its powerful and ergonomic design ensures comfort during prolonged use, the advanced technology provides an effective treatment solution.

Advantages for the User

> One-button on/off functionality
> Suspension system to reduce vibrations caused by projectile movement
> Variety of applicator heads based on treatment area
> Easy maintenance and revision kit replacement
> Lightweight and ergonomic design that minimizes hand fatigue

MODUS COMBINED ESWT
RADIAL AND FOCUSED SHOCKWAVE THERAPY

Ergonomic, Powerful, and Effective Radial Therapy

High Energy Output

Effective treatment with impulse power up to 5 bar and frequency up to 22 Hz

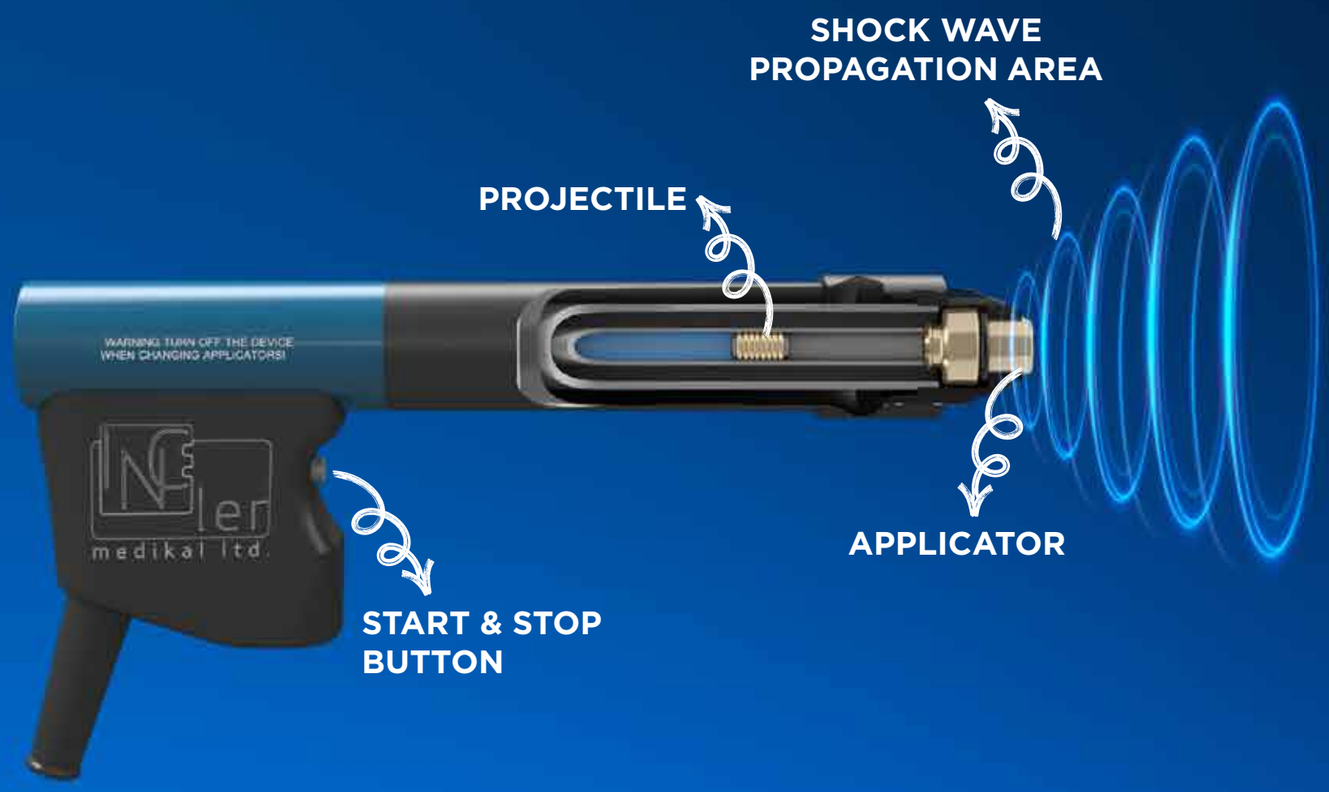
Penetration Depth up to 40 mm

Yüzeysel ve orta derinlikteki dokulara ulaşarak etkin ve hızlı tedavi sağlar.

Fast and Effective Treatments

Practical use with quick sessions even over wide areas

Modus Radial ESWT provides effective treatment for superficial and medium-depth tissues with penetration up to 40 mm. It delivers powerful energy over wide areas, accelerating healing in muscle and connective tissues and offering a comfortable and effective treatment experience.



MODUS COMBINED ESWT
RADIAL AND FOCUSED SHOCKWAVE THERAPY

3,000,000 SHOCK PULSE CAPACITY RADIAL HANDPIECE DESIGN

Applies effective rhythms to the selected anatomical area to accelerate the treatment process. With its powerful design that ensures easy and safe use, it provides long-lasting performance. With a **shock pulse capacity of 3,000,000,** the device offers long-term reliability and durability suitable for intensive use.

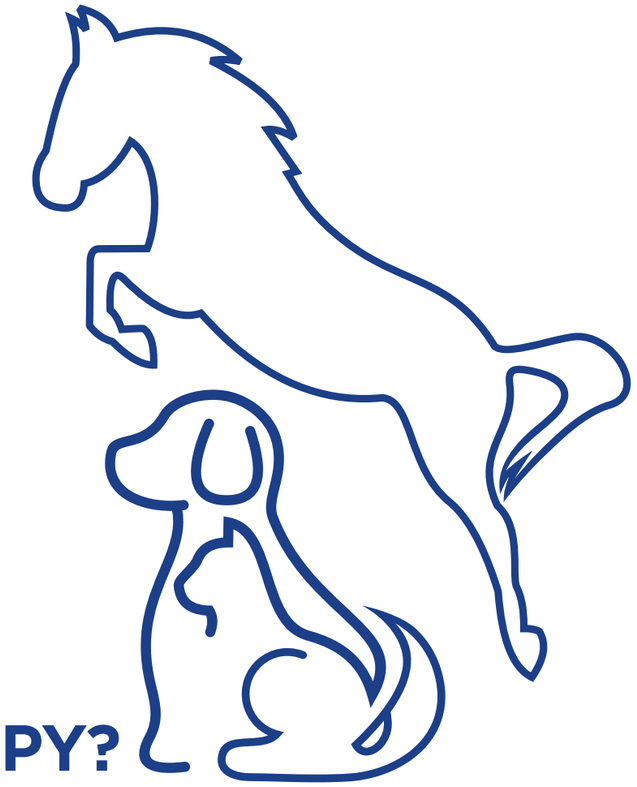
RADIAL APPLICATOR OPTIONS OFFERING WIDE RANGE OF USE

With a broad range of applicators suitable for various treatments, the system delivers pulses at frequencies up to 22 Hz. These pulses are transmitted into the body via the applicator, achieving **penetration depths of up to 30–40 mm** in the tissue it contacts.

RADIAL SOFT APPLICATOR FOR PAINFUL AND SENSITIVE AREAS

The soft applicator designed for sensitive area treatments allows shock waves applied to painful areas to be absorbed by the tissue, enabling targeted regional therapy.

MODUS COMBINED ESWT
RADIAL AND FOCUSED SHOCKWAVE THERAPY



WHAT ARE THE EFFECTS OF SHOCK WAVE THERAPY?

Shock wave therapy, a non-invasive treatment method, is applied by focusing on the area determined in veterinary practice and supports tissue regeneration. It helps reduce pain in the treated area, accelerates the healing process, and contributes to improving overall healing quality.
Shock wave therapy provides effective results in various musculoskeletal disorders such as: **tendon and ligament injuries, bone fractures, joint inflammations, foot injuries, lameness, back pain, and lumbosacral region problems (LS disease).**
This method, which enhances the quality of life in animals, also makes treatment processes more effective and comfortable for veterinarians.

Non-invasive treatment for a faster healing process.

POWERFUL SHOCK WAVE TREATMENT SPECIFICALLY FOR CATS AND DOGS

By applying high-energy sound waves to pets such as cats and dogs, the Modus Combined device offers an effective treatment option and accelerates the healing process. The selected anatomical area is stimulated by the sound waves, helping to relieve pain and eliminate inflammation.

MODUS COMBINED ESWT
RADIAL AND FOCUSED SHOCKWAVE THERAPY

WHAT TREATMENTS CAN BE USED FOR CATS AND DOGS?

Bone Fractures:
Shock wave therapy applied to the injured area accelerates cellular bone production and promotes healing by strengthening the bone. It prevents the occurrence of lameness by reducing inflammation and pain.

Wounds:
Unlike long-term treatment methods such as antibiotic therapy and bandaging, using the Modus Combined device to apply shock wave therapy accelerates the healing process. This fast and effective method helps to eliminate the risk of wound chronicity.

Sprains:
In common conditions like sprains and strains—especially in dogs—shock wave therapy offers a powerful alternative that speeds up recovery. It enhances tissue regeneration by accelerating the repair of damaged tissues and improving the quality of tissue formation.

CLINICALLY PROVEN SHOCK WAVE THERAPY IN VETERINARY MEDICINE APPLICATIONS

Indications for Horses:

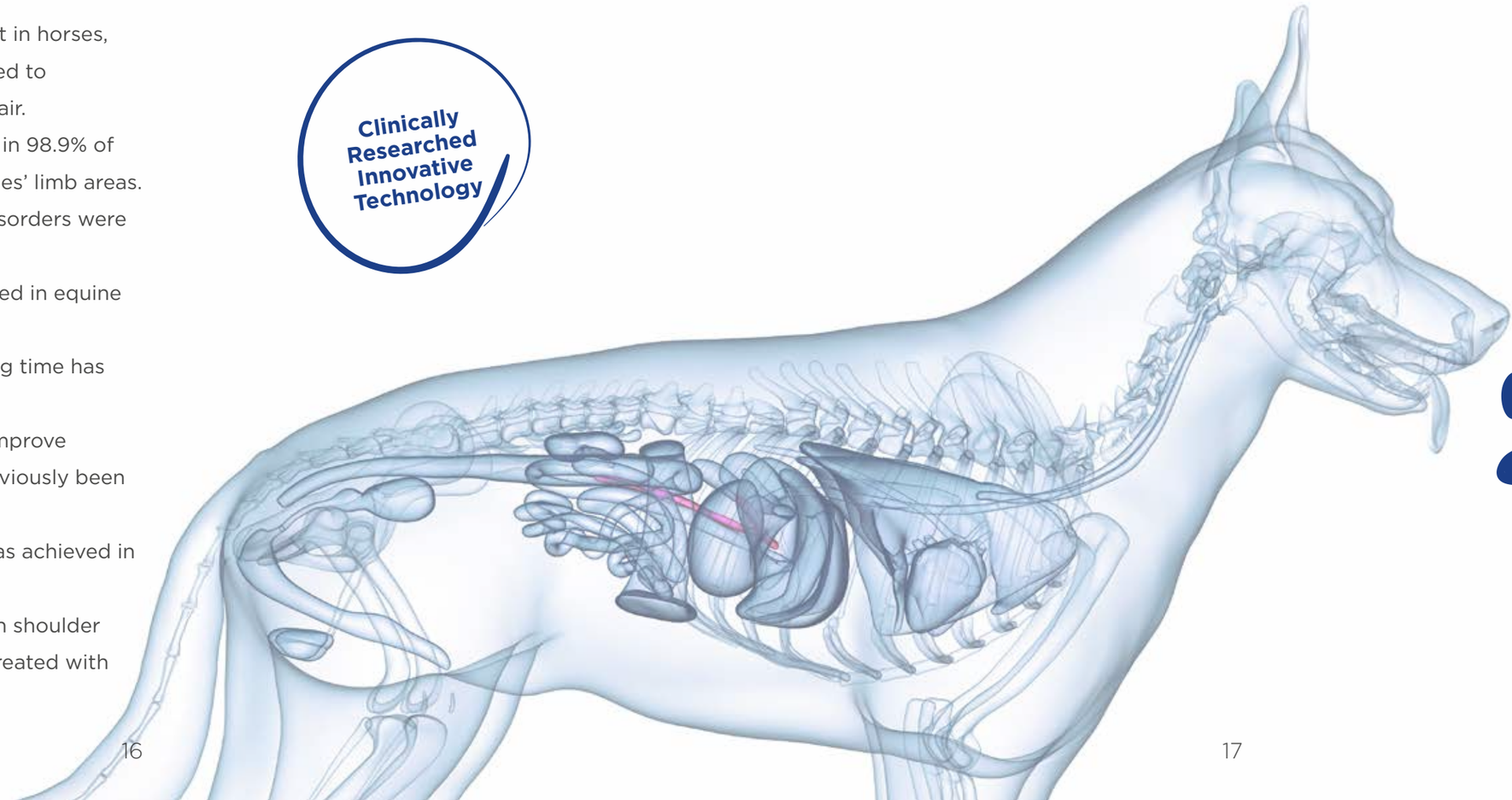
> Insertional desmopathy
> Tendinopathy
> Osteoarthritis
> Fissures, stress fractures, osteolysis
> Ligament injuries
> Degenerative suspensory ligament desmitis (DSLD)
> Podotrochlosis
> Kissing spines
> Muscle treatment (trigger points, tight muscles)
> Wound healing
> Scar tissue

Indications for Small Animals (Especially Dogs):

> Tendinopathy
> Osteoarthritis (e.g., spondyloarthritis)
> Hip dysplasia
> Fissures, stress fractures
> Osteochondritis dissecans (OCD)
> Cauda equina syndrome
> Muscle treatment (trigger points, tight muscles)
> Wound healing
> Scar tissue

> In a study on tendon treatment in horses, shock wave therapy was observed to significantly support tendon repair.
> Positive results were recorded in 98.9% of shock wave applications on horses' limb areas.
> Navicular syndrome-related disorders were reduced by 81%.
> Significant healing was observed in equine osteoarthritis cases.
> The ability to accelerate healing time has been scientifically proven.
> ESWT has been observed to improve equine limb injuries that had previously been unresponsive to treatment.
> Maximum strength increase was achieved in dogs with elbow osteoarthritis.
> 64% long-term improvement in shoulder function was recorded in dogs treated with ESWT.

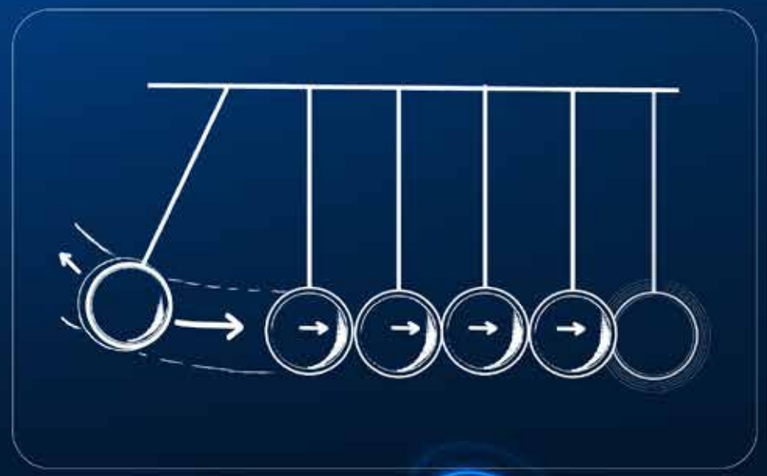
Clinically Researched Innovative Technology



> RADIAL SHOCK WAVE TECHNOLOGY BASED ON NEWTON'S LAW

Modus Radial ESWT device bases its working principle on the Law of Action-Reaction put forth by physicist Sir Isaac Newton in 1687. This law forms the foundation of the mechanism behind the formation of radial pressure waves.

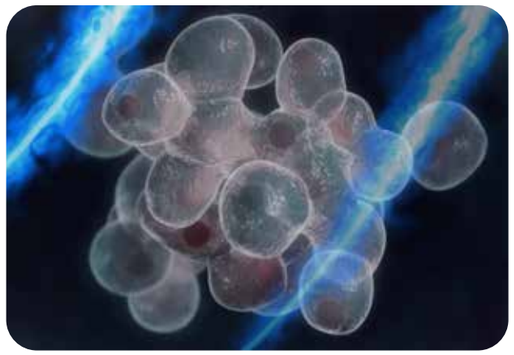
Inside the device, a projectile accelerated by compressed air strikes a metal transmitter head. The mechanical energy resulting from this impact transforms into acoustic pressure waves when applied to the skin. These waves spread to the target tissues, creating a biological stimulus and activating natural healing processes. This technology, based on a physical principle, offers a reliable and effective alternative for the treatment of musculoskeletal disorders due to its non-invasive nature and proven effectiveness.



> RADIAL SHOCK WAVES THAT PROVIDE STRONG STIMULATION EFFECT

Radial shock waves create mechanical stimulation in the target tissue, initiating a pain-relieving and regenerative process in the body. These waves spread across a wide surface area of the tissue, stimulate cells, and activate the body's natural healing mechanisms.

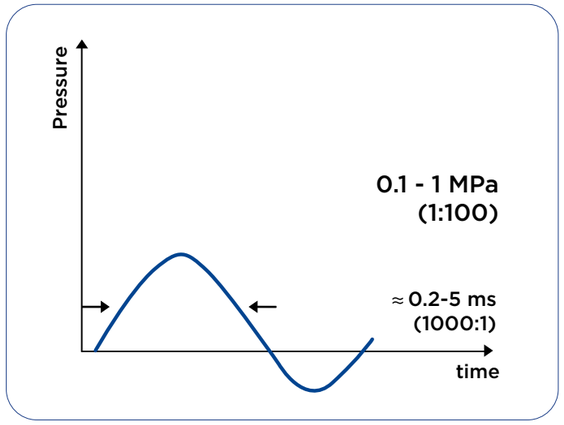
High-frequency and rhythmic pulses can be effectively used, especially in musculoskeletal system problems.



> PRESSURE CHARACTERISTICS OF RADIAL SHOCK WAVES

Pressure profile: Radial shock waves have a low-pressure (0.1–1 MPa) and long-duration (0.2–5 ms) effect profile.

Effect pattern: The waves rise gently, spread over a broad area, and provide therapeutic effects in superficial tissues. This structure offers both effective and comfortable application in muscle and tendon treatments.



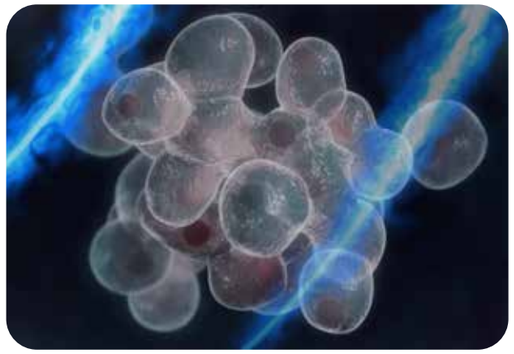
> MODUS FOCUSED ESWT POWERFUL AND DEEP-ACTING SHOCK WAVE TECHNOLOGY

Modus Focused ESWT is an innovative shock wave therapy system operating on the electrohydraulic principle. The electrical discharge generated with high voltage produces a powerful acoustic shock wave in a fluid medium. These waves, directed through specially designed reflectors, deliver maximum energy transfer to a narrow focal point within the target tissue.

This technology offers a broader focal area compared to competing piezoelectric and electromagnetic ESWT systems, enabling faster and more effective treatment.

> FOCUSED SHOCK WAVES THAT TRIGGER CELLULAR REGENERATION

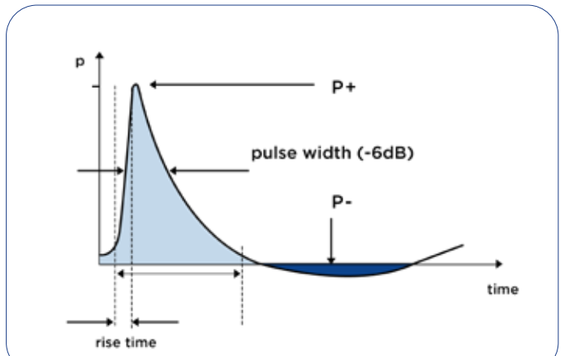
Focused electrohydraulic shock waves deliver intense mechanical force and high energy transfer to the target tissue. This biomechanical stimulation triggers cellular regeneration, accelerates blood circulation, and activates the regenerative process. Thanks to deep and precise focusing technology, it provides rapid healing and long-lasting therapeutic effects.



> PRESSURE CHARACTERISTICS OF FOCUSED SHOCK WAVES

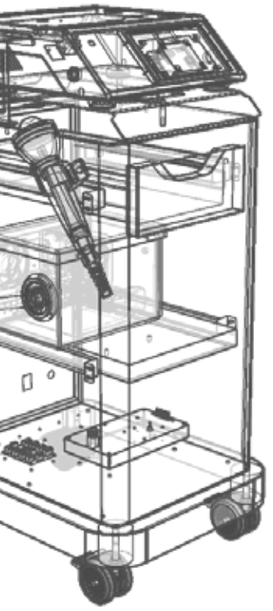
Pressure profile of the shock wave: The graph shows the change in pressure of the shock wave over time. P+ (positive pressure) rapidly rises to a peak and then gradually decreases, transitioning into negative pressure (P-).

Pulse width and rise time: The area labeled as “Pulse width (-6dB)” indicates the effective duration of the pulse, while the “Rise time” region represents the time it takes for the pressure to reach its peak level. A short rise time indicates that the shock wave creates a fast and powerful effect.



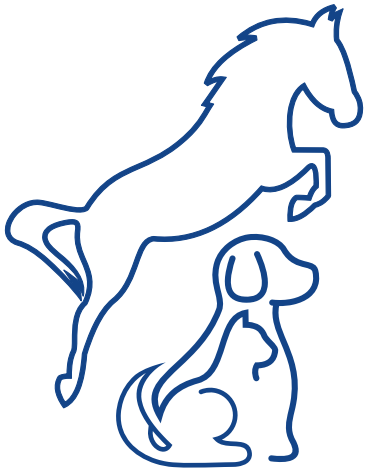
TECHNICAL FEATURES

Manufacturer	İNCELER MEDİKAL SAĞLIK HİZ. SAN. TIC. LTD. ŞTİ.
Model	Modus Combined ESWT
Quality and Classification	According to EN 60601-1 Class I Type B
	According to EN 93/42 MDD Class IIb
	IEC 60601-1
	IEC 60601-1-2
Radial User Modes	Single, Continuous, Burst, Auto
Focused User Modes	Continuous, Burst, Auto
Focused Power Levels	1-25
	Electrohydraulic / Focused
	Electropneumatic / Radial
Display	Touchscreen
Compressor	Built-in Compressor
Radial Output Pressure	1 – 5 Bar
Radial Frequency Range	1 - 22 Hz
Focused Frequency Range	1 - 4 Hz (Optional 6 Hz)
Voltage & Frequency	200-240 ±% 10 VAC, 50/60 Hz
Start/Stop Settings	Radial: Main screen button and handpiece button
	Focused: Main screen button
Memory Buttons	3 Programmable Memory Keys (S1, S2, S3)
Treatment Protocols	20 - 30
Radial Handpiece	Suspension system, 3 million shock pulses
Applicators	Ø 6 mm Radial
	Ø 10 mm Radial
	Ø 15 mm Radial
	Ø 15 mm Trigger
	Ø 15mm Focus
	Ø 20 mm Radial
	Ø 35 mm Radial
	Ø 36 mm Radial (Optional)
	Ø 35 mm Radial Soft
Dimensions	116 mm x 387 mm x 316 mm (Main Unit)
	450 mm x 350 mm x 930 mm (Including Trolley)
Weight	60 kg
Operating Environmentı	10°C ≤ Temperature ≤ 40°C
	30% Rh ≤ Humidity ≤ 80% Rh
Storage Environment	-10°C ≤ Temperature ≤ 50°C
	20% Rh ≤ Humidity ≤ 90% Rh



Effective treatment is now at your fingertips with MODUS Combined.
Faster recovery, greater patient satisfaction.

Veterinary



Technology For Health

WWW.INCELERMEDIKAL.COM

MODUS COMBİNED ESWT

İnceler Medikal ltd.
İvedik OSB Mah. 1472. Cad.
No: 120 Yenimahalle
Ankara/Türkiye

tel: +90 312 255 3346
sales@incelermedikal.com

CAT.3.3, Publication Date: 13.08.2024
Rev.01, Revision Date: 21.01.2026

MODUS COMBINED