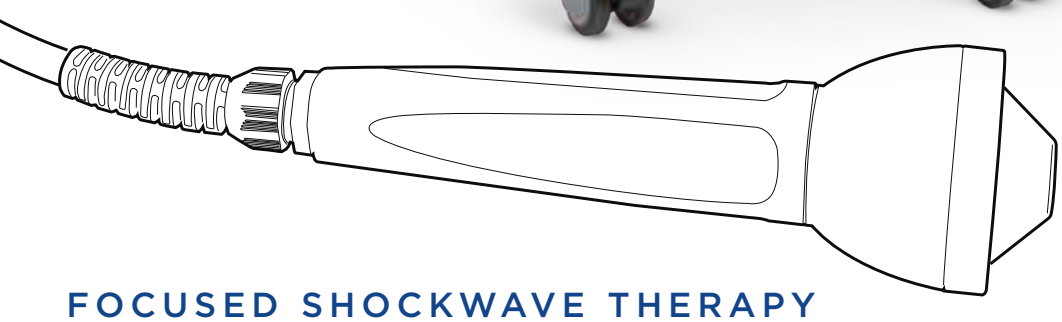
MODUS FOCUSED ESWT

SHOCKWAVE THERAPY • SHOCKWAVE THERAPY •
FOCUSED SHOCKWAVE THERAPY



FOCUSED SHOCKWAVE THERAPY

İNCELER

Touchscreen interface
Modus Focused ESWT
Shock Waves

MODUS FOCUSED ESWT

Focused Shockwave Therapy

Low-intensity focused shockwaves penetrate deep into damaged or inflamed tissues, activating connective tissue. This method supports cellular regeneration, increases blood circulation, and triggers the body's natural healing processes.

Modus Focused ESWT delivers energy directly to the target tissue, providing effective and precise treatment. With controlled transmission of shockwaves, deep tissues can be reached, accelerating the healing process. This innovative approach offers a powerful solution for alleviating chronic pain and supporting tissue repair without the need for surgical intervention.

It is particularly effective in treating **chronic musculoskeletal disorders, tendon injuries, stress fractures, and deep trigger points.** It also serves as a valuable alternative for patients with acute or chronic pain who do not respond to radial treatments.

> MODUS FOCUSED ESWT SHOCK WAVE THERAPY DEVICE

Modus Focused ESWT Shockwave Device is a non-invasive treatment method based on the focusing of shockwaves generated outside the body onto the desired area through a fluid-filled silicone applicator. This method enhances vascularization in the affected region, activating the body's natural healing mechanisms.

Wide Frequency and Power Range
Offers impulse adjustment up to 25 levels with a frequency of 4 Hz.

Advanced Touch Interface
Provides a user-friendly experience with its color touch screen. Treatment parameters can be easily monitored and adjusted in real-time during sessions.

Patient Tracking System
The built-in patient record and tracking menu helps manage treatment processes more effectively.

Preset Treatment Protocols
The system offers visual and written guidance to ensure ease of use. Various applicator options are available for different treatment needs.

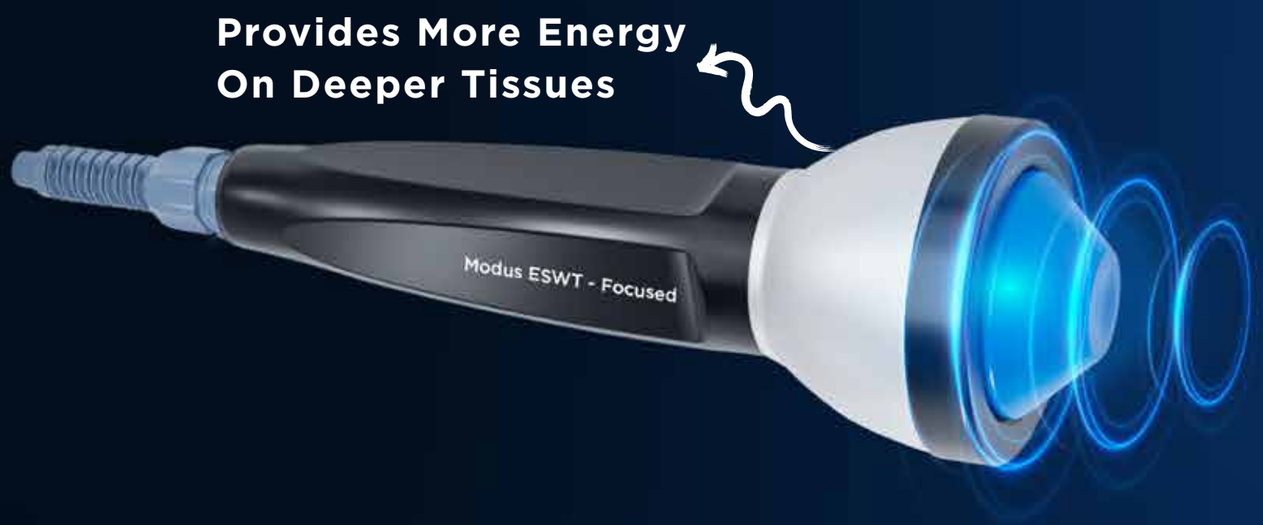
Automatic and Manual Control
The device automatically stops when the predetermined number of pulses is reached, but the user can intervene manually if desired.

Modus Focused ESWT is an innovative device designed to simplify modern treatment processes. With its advanced technology optimized to meet the needs of healthcare professionals, it makes a difference at every step.

MODUS FOCUSED ESWT
SHOCK WAVES

25 LEVELS OF POWER

Modus Focused ESWT
Handpiece and Head



Modus Focused ESWT provides high treatment efficiency with a penetration depth of up to **84.50 mm.** The powerful energy reaching deep tissues helps achieve fast and effective results.

MODUS FOCUSED ESWT
SHOCK WAVES

MODUS FOCUSED ESWT
HANDPIECE FEATURES

More efficient treatments with full energy transfer and ergonomic design

Advantages for the User

> Ensures full energy transmission to anatomical regions.
> Ergonomic design prevents hand fatigue, providing comfort during prolonged use.
> Lightweight and well-balanced structure allows easy maneuverability.
> Durable construction requires no maintenance, ensuring long-lasting performance.

F-50 Head

Penetration Depths

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

Higher Energy Output

Delivers optimal results with highly focused energy to the treatment area.

High Energy Depth

Reaches deeper tissues with effective energy, accelerating the healing process.

Fast and Effective Treatments

Saves time with shorter session durations.

MODUS FOCUSED ESWT
SHOCK WAVES

> WHAT IS THE SHOCK WAVE THERAPY ?

The application method of extracorporeal shock wave therapy is a frequently preferred method in the fields veterinary medicine, urology, cardiology, sports medicine, aesthetics, and especially in orthopedics and physical therapy. One of the advantages of this system is that it promotes faster tissue healing by increasing revascularization, collagen synthesis, and oxygenation in the application area.

With the non-invasive principle of the system, the desired treatment can be performed without the need for surgery.

Discover Modus Focused ESWT to relieve your pain and achieve healthier mobility!

MAIN INDICATIONS FOR THE SYSTEM

EPIN CALCANEI

A heel spur is a bone-like calcium deposit that forms between the heel bone and the arch of the foot. It often starts in the front of the heel and then affects other parts of the foot. It is often the result of prolonged tension in muscle and connective tissue. Repetitive stress from walking, running or jumping on hard surfaces is a common cause of heel spurs. Inflammation symptoms such as pain, swelling, temperature increase are seen in the anterior part of the heel. With ESWT treatment, pain relief is provided by eliminating the symptoms of pain and increasing the load capacity.

PLANTAR FASCIITIS

Plantar fasciitis is a painful foot disease that occurs as a result of inflammation of the sole and heel of the foot due to excessive stretching or use of the connective tissue called plantar fascia. Repetitive stress on the plantar fascia can cause mild ligament tears, which can cause discomfort, swelling and make walking difficult. It is one of the most common causes of heel pain, it can usually affect middle-aged women, men, people who stand up frequently or those who play sports. It is seen with swelling of the thick tissue that connects the sole of the foot to the toes. Plantar fasciitis often causes sharp pain with first steps in the morning. As the person moves, the pain usually subsides, but may return when standing or sitting for a long time and then getting up. In soft tissue sessions of ESWT treatment, the application time is approximately 5-20 minutes and 3-4 sessions are performed.

TIBIAL STRESS SYNDROME

Runner's leg syndrome or "medial tibial stress syndrome" is a condition of severe and throbbing pain seen on the inner surface of the shinbone in people who do extreme sports or are new to sports related to exercise. Slight swelling in the leg and pain occur when pressing the bone with a finger. It is often seen after excessive running. With ESWT Shock wave therapy, shock waves are given to the body so that the body's natural healing process is stimulated and pain is reduced.

ACHILLODYNIA

Achillodynia is a term used to describe a variety of severe Achilles tendon problems. Affected individuals experience pain in the tendons that run through the heel bone and calf muscles, and their ability to move the affected limb is limited. In mild cases, Achillodynia naturally goes away within a few days. Achilles tendon pain if it persists for a long time is considered a sign of overstretching. Therefore, Achillodynia is a common diagnosis among athletes and is considered an injury. Degenerative changes caused by inappropriate mechanical stress or prolonged excessive stretching can affect Achillodynia. As the structure of the tendon changes, its blood and oxygen supply may also be affected, which can affect the healing process. Tendons gain mobility faster, more successfully and permanently than desired with Modus Shock Wave Therapy.

CALCIFIED TENDINITIS

Calcific tendinitis is described as one of the most common causes of shoulder pain. Tendonitis is the inflammation and irritation of the fibrous tissues called tendons that attach the muscles to the bones. It can occur in any tendon in the body, and calcium deposits form. This condition causes pain in the affected area. It is frequently seen in the shoulder, knee, wrist, elbow and ankle. Calcific tendinitis manifests itself with severe pain in the shoulder region. These pains occur especially in the evening and at night and can also limit mobility. Prolonged pain and inactivity can cause muscle weakness and weakness. With ESWT treatment, the release of pain-reducing substances is increased by changing the biochemistry of the environment.

IDIOPATHIC LOW BACK

Lower back pain without sciatica, stenosis, or serious spinal deformation is common. There are different types of pain. For example, radicular pain spreads below the knee and distant dermatomes can be felt under it. The reason for this is thought to be nerve root-related disorders. Pseudoradicular pain is not diffused below the knee and is thought to be associated with local proximal disorders that do not affect any nerves or nerve roots. With shock wave therapy, narrowing of the affected muscle fibers, dysfunctions and stimulation of metabolic activity are eliminated.

LATERAL EPICONDYLITIS - MEDIAL EPICONDYLITIS

Radial and ulnar humeral epicondylitis are two conditions that involve pain and inflammation in the elbow. These are known as tennis elbow (lateral epicondylitis) and golfer's elbow (medial epicondylitis), respectively. Tennis elbow is a condition caused by overuse of the muscles and tendons of the forearms, which connect to the lateral epicondyl of the humerus bone in the elbow. Similarly, golfer's elbow is a condition that affects the inside of the elbow. This is caused by overuse of the muscles and tendons of the forearms, which connect to the medial epicondyla of the humerus bone.

Focused ESWT has been shown to be effective in reducing pain and increasing function in patients with radial humeral epicondylitis. It is usually applied in a series of sessions over several weeks and takes about 10-15 minutes per session. During treatment, the patient may experience mild to moderate discomfort, but is generally well tolerated. After treatment, patients may feel some pain or bruising in the treated area, but these side effects usually resolve within a few days.

PSEUDORADICULAR LOW – BACK

Trigger point: It is the painful muscle area where the sensitivity in the area where the normal functional relationship of muscle fibers is disrupted has a regional distribution character. It affects the muscle by making it weak and tight. It causes strong contractions in the muscle group they are in. It causes especially shoulder, arm and lower back pain. The muscles, which are in constant contraction, also apply pressure to the bones, causing these symptoms to occur in the adjacent joints and impairing the blood circulation of the adjacent area. With the decrease of oxygen in the circulation and the nutrients needed by the metabolism, metabolic wastes begin to accumulate. Low oxygen levels and metabolic wastes storts poin on lower back.

CARPAL TUNNEL SYNDROME

Carpal tunnel syndrome; It is a disease that causes numbness, tingling and pain in the hand and forearm. This condition occurs when the median nerve, one of the main nerves in the hand, is compressed as it passes through the wrist. The tendons that provide the movement of the fingers and the median nerve are located in the canal. The median nerve allows the fingers to feel and make certain movements. If the nerve is under pressure in the canal, carpal tunnel syndrome occurs. ESWT treatment is a preferred treatment method to prevent compression of the nerves in the region and to relieve numbness, tingling and pain.

MODUS FOCUSED ESWT
SHOCK WAVES

TROCHANTERIC BURSITIS

Trochanteric bursitis is a condition that causes pain in the outer hip area. The hip joint is surrounded by bursae, which are several small fluid-filled vesicles that help reduce friction and cushion the joint. Trochanteric bursitis occurs when the bursae on the outside of the hip near the greater trochanter becomes inflamed. This inflammation may result from repetitive activities such as running, cycling, or climbing stairs, or may result from direct trauma or injury. Symptoms of trochanteric bursitis may include pain, tenderness, and swelling in the hip area,as well as difficulty lying on the affected side or difficulty walking or climbing stairs. Focused ESWT works effectively in the case of trochanteric bursitis. It has been observed that most patients receiving shock wave therapy experience similar pain reduction with other preventive treatments and improvement based on how much better the affected area moves. It has the advantage of being as effective as surgery and not risking infection.

DIABETIC FOOT ULCERS

Diabetic foot ulcers (DFUs) are among the most common foot disorders with ulceration, infection, and gangrene, that may ultimately lead to lower extremity amputation. The goals of treatment include the control of diabetes and proper shoe wear. Effective therapy and appropriate foot care are important in wound healing in DFUs. Recently, extracorporeal shockwave therapy (ESWT) was reported to significantly promote and accelerate the healing of complex soft tissue wounds compared to the standard methods of treatment in DFUs. ESWT showed positive results in short-term and long-term outcomes in diabetic patients suffering from foot ulcers.

BROKEN FRACTURE

Patients show symptoms such as pain, cyanosis, swelling, deformity, impaired symmetry, inability to move, and limitation of movement due to post-traumatic fractures, dislocations and sprains in joints, bones and adjacent tissues. ESWT has an effect on fracture healing, in bone and cartilage tissues. It has been observed that in non-healing fractures (pseudoartosis), the application of shock waves around the fracture increases osteoblastic activity and stimulated the periosteum, thus accelerating healing. Modus ESWT transmits the shock waves directly to the focal point.

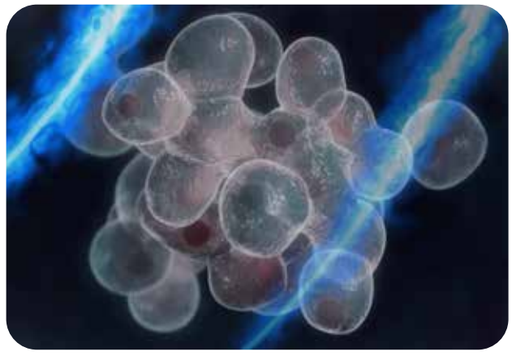
> MODUS FOCUSED ESWT POWERFUL AND DEEPLY EFFECTIVE SHOCKWAVE TECHNOLOGY

Modus Focused ESWT is an innovative shockwave therapy system that operates on the electrohydraulic principle. A high-voltage electrical discharge generates a powerful acoustic shockwave in a fluid medium. These waves are directed to a narrow focal point through specially designed reflectors, ensuring maximum energy transfer to 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 SHOCKWAVES THAT TRIGGER CELL REGENERATION

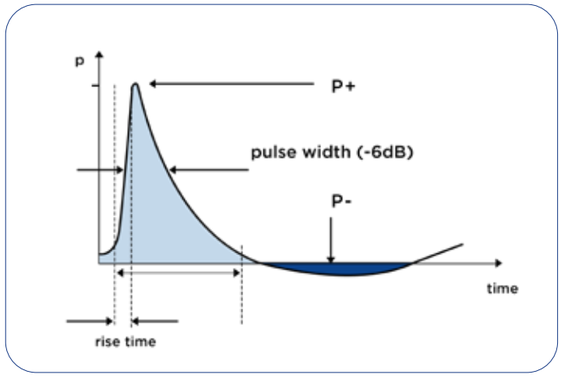
Focused electrohydraulic shockwaves deliver intense mechanical force and high-energy transfer to the target tissue. This biomechanical stimulation triggers cellular regeneration, accelerates blood circulation, and activates the regenerative process. With deep and precise focusing technology, it ensures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



> PRESSURE CHARACTERISTICS OF FOCUSED SHOCKWAVES

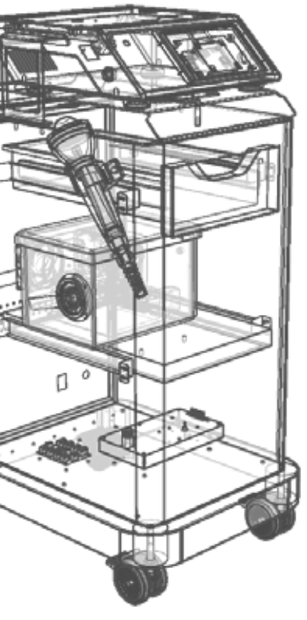
Shock Wave Pressure Profile: The graph illustrates the pressure variation of a shock wave over time. P+ (positive pressure) rises sharply to a peak and then gradually decreases, transitioning into negative pressure (P-).

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 taken for the pressure to reach its peak level. A short rise time signifies a rapid and intense impact of the shock wave.



Technical Specifications

Manufacturer	İnceler Medikal Sağlik Hizmetleri San. Tic. Ltd.
Model	Modus Focused ESWT
Quality and Electrical Safety Classification	According to EN 60601-1 Class I Type B
	According to EN 93/42 MDD Class IIb
	FDA Registered Manufacturer
	IEC 60601-1
	IEC 60601-1-2
Working Principle	Electrohydraulic
User Modes	Continuous, Burst, Auto
Treatment Start/ Stop	Main Unit Button,
	Foot Pedal (Optional)
Dimensions	116 mm x 387 mm x 316 mm (Main Unit)
	450 mm x 350 mm x 930 mm (Trolley including)
Weight	55 kg
Voltage & Frequency	110 – 240 ±% 10 VAC & 50/60 Hz
Frequency	1 – 4 Hz
Memory	3 User Defined Treatment Protocol
Power Level	1-25
Display	Touch Screen
Electrode Lifespan	50K - 70K Shock
Operating Environment	10° C ≤ Temperature ≤ 40° C
	30% Rh ≤ Humidity ≤ 80% Rh
Storage Environment	-10° C ≤ Temperature ≤ 50° C
	20% Rh ≤ Humidity ≤ 90% Rh



MODUS FOCUSED ESWT
SHOCK WAVES

> PAIN TREATMENT WITH MODUS FOCUSED ESWT FAST AND EASY

1. MEDICAL EXAMINATION
Locate the painful area.

2. SIGN
Mark the area.

3. APPLY GEL
Apply the gel to the tissue
to conduct shock waves

4. APPLY SHOCK WAVES
Apply the head tightly to
the painful area on the skin. .

FOCUSED ESWT

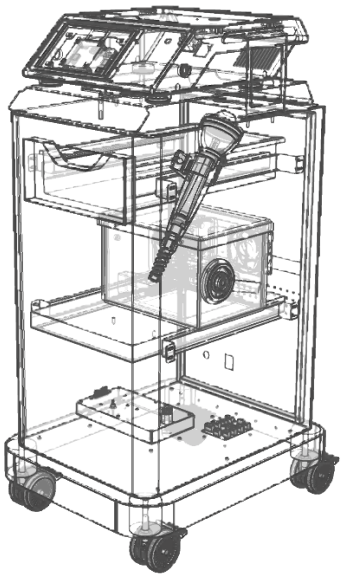
Shock Wave Therapy

Faster Recovery for Athletes!

MODUS FOCUSED ESWT

It supports tissue regeneration,
providing a painless healing process.

Orthopedics



Technology For Health

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