modus F portable

Portable, Fast, and Effective
Next-Generation Shock Wave Technology

İNCELER

User-Friendly and Efficient

PRACTICAL USE WITH

Innovative Design

As one of the most advanced technologies in recent years, **Extracorporeal Shock Wave Therapy (ESWT)** devices offer a wide range of applications across different medical fields. Traditional ESWT devices are typically large and either stationary or wheeled units, and are recognized globally as one of the most commonly used models.

At **İnceler Medikal,** our innovative approach has led us to design a device that makes **ESWT technology portable, flexible, and practical.** Our **Modus Focused Portable** device makes treatment processes more accessible, aiming to **maximize the comfort of patients and users**.

Based on the principle of ease of use, the **innovative design** of our device offers a treatment process that is **independent of location;** providing an efficient alternative not only for clinics but also for those needing **at-home treatment.**

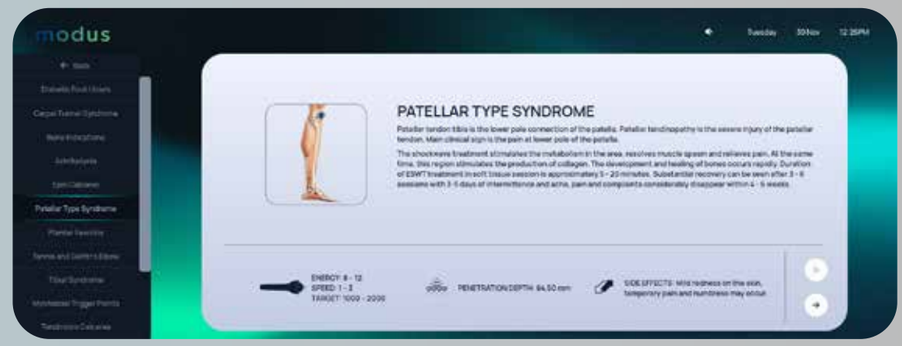
FUNCTIONAL AND STATE-OF-THE-ART NEW HANDPIECE

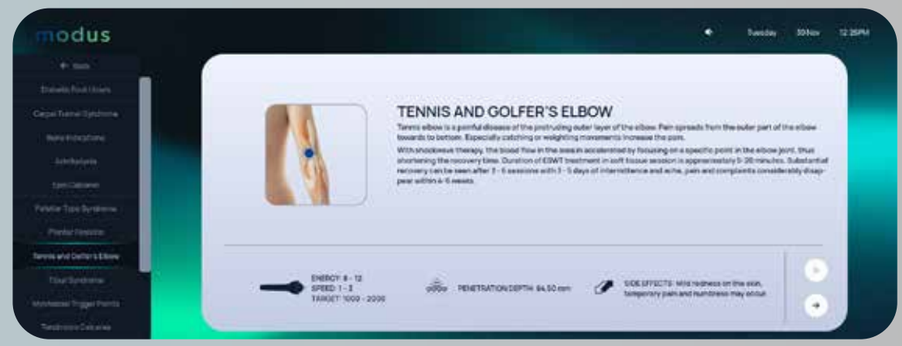
High Comfort with Start-Stop *Button Feature*

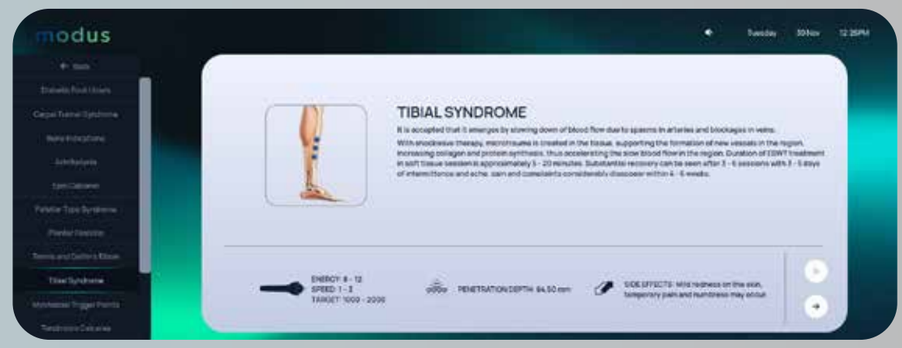
In addition to its portable and practical design, our **Modus Focused Portable** device stands out with its **newly designed handpiece** enhanced with **functional features.** The integration of **start-stop buttons** directly on the handpiece makes the device easier and more practical to operate. Its **modern design,** which allows for easy maneuverability, has been enriched with **innovative features to maximize user comfort.**

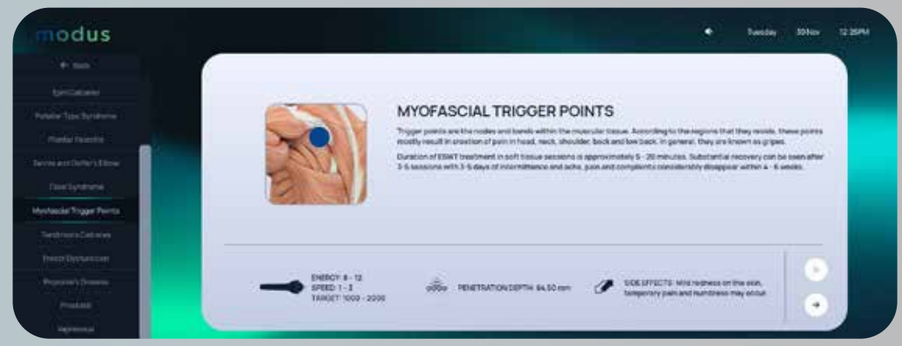
Superior User Experience with Wide *Screen Design*

The standout **wide-screen design** of our **Modus Focused Portable** device enhances **user experience** during application and significantly improves comfort. Equipped with **high-standard color and touch screen technology,** the device facilitates the **control, monitoring, and tracking of treatment parameters.** Its **large screen feature offers a practical and user-friendly interface.**









Screen Size Offering a Wide *Perspective*

DISCOVER THE SUPERIOR ADVANTAGES OF THE *Modus Focused Portable* SYSTEM!

Ease of Use and Portability

The Modus Focused Portable device is remarkably small and lightweight in terms of size and weight. This portability provides flexibility, enabling personalized treatment based on individual needs. The compact structure of the device allows both users and healthcare professionals to easily perform treatments in various environments, making each session more efficient and comfortable.

Accessibility and Practicality

The portable device allows users to conveniently perform treatments at home or in their offices under medical supervision. This makes regular access to therapy more feasible.

Painless and Non-Invasive Treatment

The Modus Focused Portable device is painless and requires no surgical intervention or anesthesia. This increases patient compliance, as the procedure is typically not felt, allowing patients to comfortably resume their daily activities immediately after treatment.

User-Friendly Operation

The Modus Focused Portable device features a user-friendly interface. There is no need to deal with complex settings to start the treatment process. The device allows adjustment of intensity and frequency, and treatment can be initiated with the start/stop button. Additionally, a start/stop button is available on the handpiece as well. This feature makes the device practical and easy to use.

Minimal Side Effects

The use of the Modus Focused Portable device generally carries a very low risk of side effects. Most patients do not experience any adverse effects. If mild discomfort occurs after treatment, it usually resolves quickly.

Minimal Space Requirement

While traditional large ESWT devices require spacious dedicated areas in clinics, the portable device can be used in minimal space. This provides a significant advantage, especially for small clinics or patient rooms.

Advanced Patient Monitoring and Data Management

The Modus Focused Portable device stores data from treatment sessions, enabling follow-up and tracking of therapy progress. It facilitates the evaluation of patients' treatment progress and allows easy modifications to treatment plans when necessary. Moreover, with regular monitoring, treatment outcomes can be made safer and more effective.

Modus Focused Portable
HANDPIECE FEATURES

Deeper Penetration
Achieved with Focused Applicator Head

» Deep energy transmission focused on anatomical regions
» Maximum comfort and ease of use thanks to its ergonomic design
» Convenient one-touch on/off control
» Excellent maneuverability with its lightweight structure
» Long-lasting, maintenance-free applicator head design
» Flexible, easily interchangeable head options tailored to treatment needs

Modus Focused Portable delivers superior energy penetration up to 0 – 95 mm, enabling fast and effective access to tissues. With its unique focusing technology, it precisely targets deep tissues, allowing you to achieve remarkable treatment outcomes in a short time.

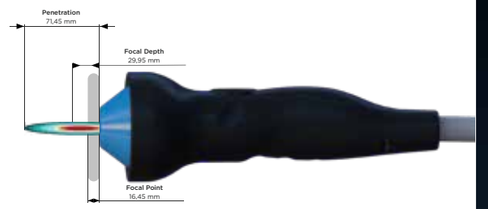
Powerful Applicator Options Tailored to Every Need

UltraFocus(UF) The Applicator with the Highest Focused Energy Output

Penetration Depths
- 64,25 mm
- 22,75 mm
- 10,25 mm

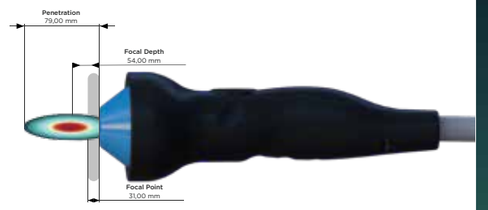
DeepForce (DF) Applicator with High Focused Energy and Greater Penetration Depth

Penetration Depths
- 71,45 mm
- 29,95 mm
- 16,45 mm



PenetraMax (PM) Applicator with Greater Penetration Depth and a Wider Treatment Area

Penetration Depths
- 79,00 mm
- 54,00 mm
- 31,00 mm



Higher Energy Output

Delivers safe and effective energy transfer to the treatment area with maximum power.

High Energy Depth

Effectively delivers energy to deeper tissues, accelerating the healing process.

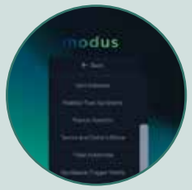
Fast and Effective Treatments

Accelerates treatment processes with maximum impact in a shorter time.

Modus Focused Portable

WHAT ARE THE TECHNICAL ADVANTAGES OF THE SYSTEM?

Portable and Lightweight Design



Modern Interface

Screen Size 12.3-inch Capacitive Touch Screen LCD, 1920×720 IPS Panel

New **Handpiece Design**

Handpiece Button

Quiet Operation

Digital Consumable Tracking System

Effective Orthopedic Treatment with *Modus Focused Portable*

This effective treatment method involves the delivery of focused shock waves to a specific point on the body using special applicators. By transmitting all the energy directly to the tissue, it enables the precise targeting of even the deepest tissues. Shock wave therapy, which requires neither anesthesia nor surgical intervention, is highly effective in treating localized painful areas, bone stress injuries, and deep trigger points.

The **Modus Focused Portable** system stands out as an effective solution that allows for the regular treatment and monitoring of patients suffering from tissue and bone damage. In orthopedic conditions affecting the musculoskeletal system, bones, and tissues, patients often experience restricted mobility. This makes it even more necessary to apply treatment at home or within the patient's living environment. With its portable, lightweight, and compact design, the Modus Focused Portable device makes therapy more accessible and offers flexible care under medical supervision, independent of location.

Personalized and Flexible Treatment Option

WHICH ORTHOPEDIC CONDITIONS CAN MODUS PORTABLE BE USED FOR?

Faster Recovery for Athletes!

It supports tissue regeneration and offers a painless healing process.

EPIN CALCANEI

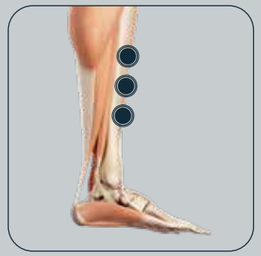
A heel spur is a calcium deposit resembling a bone that forms between the heel bone and the arch of the foot. It typically begins at the front of the heel and can later affect other parts of the foot. It is often the result of prolonged tension in the muscles and connective tissue. Repetitive stress caused by walking, running, or jumping on hard surfaces is a common cause of heel spurs. Symptoms such as pain in the front of the heel, swelling, and increased warmth are signs of inflammation. With **ESWT (Extracorporeal Shock Wave Therapy)**, pain symptoms can be alleviated, load-bearing capacity can be improved, and heel pain can be significantly reduced.

PLANTAR FASCIITIS

Plantar fasciitis is a painful foot condition caused by the inflammation of the plantar fascia — a band of connective tissue that runs along the sole of the foot and connects the heel to the toes. This condition typically results from excessive stretching or overuse of the fascia. Repetitive stress on the plantar fascia can lead to small tears in the tissue, causing discomfort, swelling, and difficulty walking. Plantar fasciitis is one of the most common causes of heel pain. It often affects middle-aged men and women, people who stand for long periods, or those engaged in sports. The condition is characterized by swelling in the thick tissue that supports the arch of the foot.
A sharp pain is typically felt with the first steps in the morning. While the pain may decrease with movement, it can return after prolonged standing or upon rising after sitting.

ACHILLES TENDON

Achilles tendon is a term used to describe various degrees of Achilles tendon disorders. Affected individuals typically experience pain in the tendon that runs from the calf muscles to the heel bone, along with limited ability to move the affected limb. In mild cases, Achilles tendon discomfort may resolve naturally within a few days. However, persistent Achilles tendon pain is often considered a sign of overuse or excessive strain. For this reason, Achilles tendon issues are common among athletes and are often regarded as injuries. Degenerative changes caused by improper mechanical stress or prolonged overuse can affect the Achilles tendon. As the structure of the tendon deteriorates, its blood and oxygen supply may also be compromised, potentially delaying the healing process. With **Extracorporeal Shock Wave Therapy (ESWT),** tendons can regain mobility more quickly, effectively, and permanently than with traditional methods.



TIBIAL STRESS SYNDROME

Also known as “Runner’s Leg” or Medial Tibial Stress Syndrome, this condition involves intense and aching pain along the inner edge of the shinbone (tibia) and is commonly seen in individuals who are new to exercise or those who engage in excessive physical activity. It typically affects people who have recently increased the intensity or duration of their running routines. Patients with Tibial Stress Syndrome may experience mild swelling in the lower leg, and pain may occur when light pressure is applied to the bone. This condition often arises after intense running or impact activities. With **ESWT (Extracorporeal Shock Wave Therapy),** shock waves are delivered to the affected area, stimulating the body’s natural healing process and significantly reducing pain.

SHOULDER OSTEOARTHRITIS

Calcific tendinitis is one of the most common causes of shoulder pain. It occurs due to calcium deposits and inflammation in the tendons and is most frequently seen in the shoulder, but can also affect the knee, wrist, elbow, and ankle. When it occurs in the shoulder, it can cause severe pain—especially at night—and lead to restricted movement. Prolonged pain may result in muscle weakness. **ESWT (Extracorporeal Shock Wave Therapy)** enhances circulation in the treated area and promotes the release of pain-relieving substances. This accelerates the healing process and improves mobility.

FIBROMYALGIA

This condition is a musculoskeletal disorder characterized by widespread muscle pain, stiffness, and tension. Affected areas often develop sensitivity and tenderness. It is a rheumatologic condition, most commonly seen in women. Fibromyalgia presents with symptoms such as fatigue, muscle pain, sleep disturbances, anxiety disorders, and loss of function. It is also referred to as soft tissue rheumatism. There is no surgical treatment for this condition.

MYOFASCIAL TRIGGER POINTS

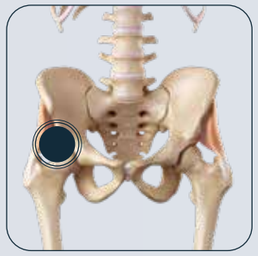
Myofascial Trigger Points (MTPs) are painful and sensitive knots that form within muscle fibers, leading to muscle stiffness, tension, and limited range of motion. They often develop as a result of poor posture, overuse, or trauma. **ESWT (Extracorporeal Shock Wave Therapy)** directly targets these points, reducing muscle spasms, enhancing blood circulation, and promoting muscle relaxation. With its non-invasive nature, it helps relieve pain and improve muscle function.

GOLFER'S ELBOW / TENNIS ELBOW

Radial and ulnar humeral epicondylitis are two common muscle-tendon disorders that cause pain and inflammation in the elbow. Lateral epicondylitis (Tennis Elbow) affects the outer part of the elbow, while medial epicondylitis (Golfer's Elbow) affects the inner part. Both conditions are associated with the overuse and repetitive strain of the forearm muscles and tendons. Symptoms may include pain around the elbow, tenderness, and reduced grip strength. Daily activities—especially wrist movements and gripping—can become difficult for patients. **ESWT (Extracorporeal Shock Wave Therapy)** is used in these cases to relieve pain, improve blood flow, and support the healing process.

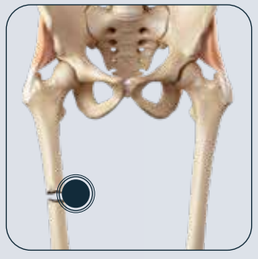
CARPAL TUNNEL SYNDROME

Carpal Tunnel Syndrome is a condition that causes numbness, tingling, and pain in the hand and forearm. It occurs when the median nerve, one of the main nerves in the hand, becomes compressed as it passes through the wrist. Within the carpal tunnel, the median nerve shares space with the tendons that control finger movement. The median nerve is responsible for sensation in the fingers and for enabling certain hand movements. When this nerve is compressed within the tunnel, carpal tunnel syndrome develops. **ESWT (Extracorporeal Shock Wave Therapy)** is an effective treatment option used to relieve pressure on the nerve, reduce numbness and tingling, and alleviate pain in the affected area.



TROCHANTERIC PAIN SYNDROME

Trochanteric Bursitis is a painful condition caused by inflammation of the bursa located on the outer part of the hip. Bursae are fluid-filled sacs that reduce friction and provide cushioning in joints. Inflammation of the bursa near the greater trochanter—a bony prominence on the femur—can develop due to repetitive activities such as running, climbing stairs, or cycling, as well as from direct trauma. Patients typically experience pain, tenderness, and swelling on the side of the hip, and discomfort when lying on the affected side. Even simple activities like walking can become difficult. **ESWT (Extracorporeal Shock Wave Therapy)** helps treat trochanteric bursitis by delivering mechanical stimulation to the tissue, reducing inflammation, increasing blood flow, and accelerating the healing process. It is an effective method for reducing pain and improving mobility. The fact that it is non-surgical and carries no risk of infection makes it a highly advantageous treatment option.



LONG-TERM UNHEALED FRACTURES

Following trauma, conditions such as fractures, dislocations, and sprains can lead to damage in joints, bones, and surrounding tissues. Patients may present symptoms including pain, bruising, swelling, deformity, asymmetry, immobility, and restricted movement. **ESWT (Extracorporeal Shock Wave Therapy)** has demonstrated positive effects on fracture healing as well as on bone and cartilage tissues. In cases of non-union fractures (pseudoarthrosis), applying shock waves around the fracture site has been shown to increase osteoblastic activity (the activity of bone-forming cells) and stimulate the periosteum (the bone membrane), thereby accelerating the healing process. ESWT delivers focused shock waves directly to the targeted area, making it an effective non-invasive option to support recovery in difficult-to-heal fractures and related musculoskeletal injuries.

modus portable

THE POWER OF SHOCK WAVES IN ORTHOPEDICS, WITH YOU EVERYWHERE

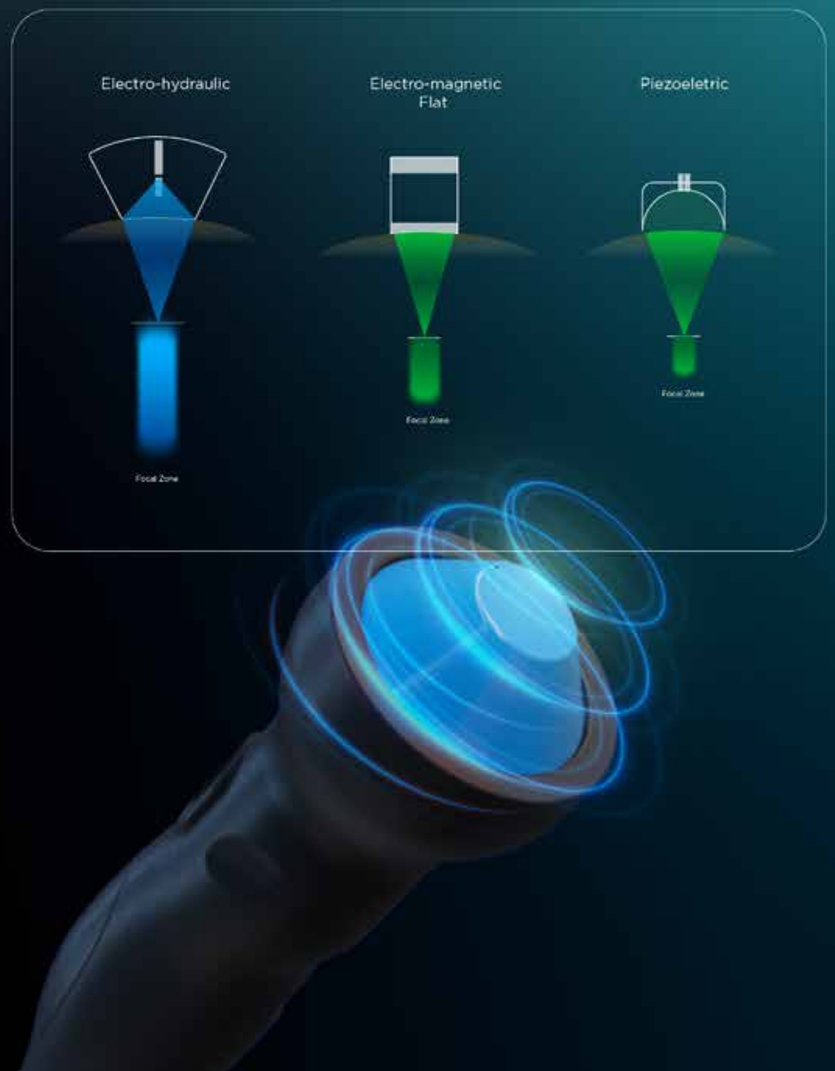
With Modus Portable, make orthopedic shock wave therapy accessible anytime, and regain your freedom of movement and well-being.

Modus Focused Portable

Modus Focused Portable
POWERFUL AND DEEP-ACTING SHOCK WAVE TECHNOLOGY

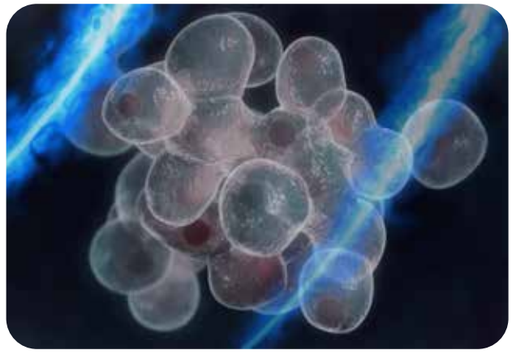
Modus Focused Portable ESWT is an innovative shock wave therapy system that operates on the **electrohydraulic principle.** An electrical discharge generated at high voltage produces a **powerful acoustic shock wave** in a fluid medium. These waves are directed to a narrow focal point via specially designed reflectors, ensuring **maximum energy transfer** to the target tissue.

Compared to competing systems such as **piezoelectric** and **electromagnetic ESWT devices,** this technology offers a **wider focal area**, enabling **faster and more effective treatment.**



FOCUSED SHOCK WAVES THAT TRIGGER *Cellular Regeneration*

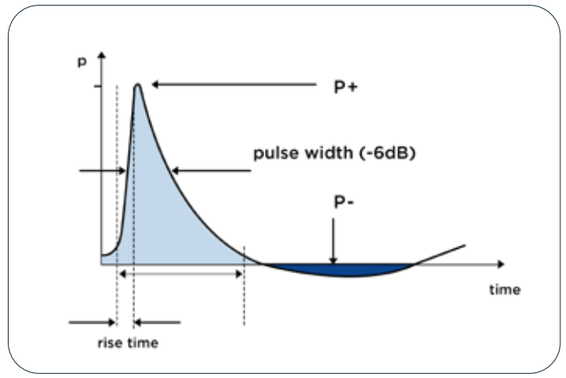
Focused electrohydraulic shock waves deliver **intense mechanical force and high energy transfer** to the target tissue. This **biomechanical stimulation triggers cellular regeneration, enhances blood circulation,** and activates the regenerative process. Thanks to its **deep and precise focusing technology**, it ensures r**apid recovery and long-lasting therapeutic effects.**



PRESSURE CHARACTERISTICS OF *Focused Shock Waves*

Shock Wave Pressure Profile:
The graph illustrates the pressure variation of a shock wave over time. P+ (positive pressure) rapidly peaks with a sharp rise, then gradually decreases, transitioning into negative pressure (P-).

Pulse Width and Rise Time:
The area marked as “Pulse Width (-6dB)” indicates the effective duration of the pulse, while the “Rise Time” section represents the time it takes to reach peak pressure. A short rise time signifies that the shock wave delivers a rapid and powerful impact.



TECHNICAL SPECIFICATIONS

Manufacturer Model	İnceler Medikal Sağlik Hizmetleri San. Tic. Ltd. Modus Focused Portable
Quality and Electrical Safety Classification	EN 60601-1 Standard Class I Type B MDR 2017/745 Class IIb (Rule 9) (EMC Test Report No. LVT, Ankara)
Working Principle	Electrohydraulic
User Modes	Continuous, Burst, Auto
Treatment Start/ Stop	Main Unit Button (Touchscreen), Handpiece Button
Dimensions	425 mm x 180 mm x 355 mm
Weight	20 kg
Voltage & Frequency	110-220 ±10% VAC 50/60 Hz
Frequency	1-6 Hz
Memory	3 User Defined Treatment Protocol
Power Level	1-25
Display	12.3” Touchscreen
Electrode Lifespan	50,000 Shock
Operating Environment	Temperature: 10°C ≤ Temperature ≤ 40°C Humidity: 30% RH ≤ Humidity ≤ 80% RH
Storage Environment	Temperature: -10°C ≤ Temperature ≤ 40°C Humidity: 20% RH ≤ Humidity ≤ 90% RH

Orthopedics

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