

MODUS RADIAL ESWT



RADIAL ESWT SHOCKWAVE THERAPY

CAT.1.2, First Release Date: 23.02.2024
Rev.03, Revision Date: -



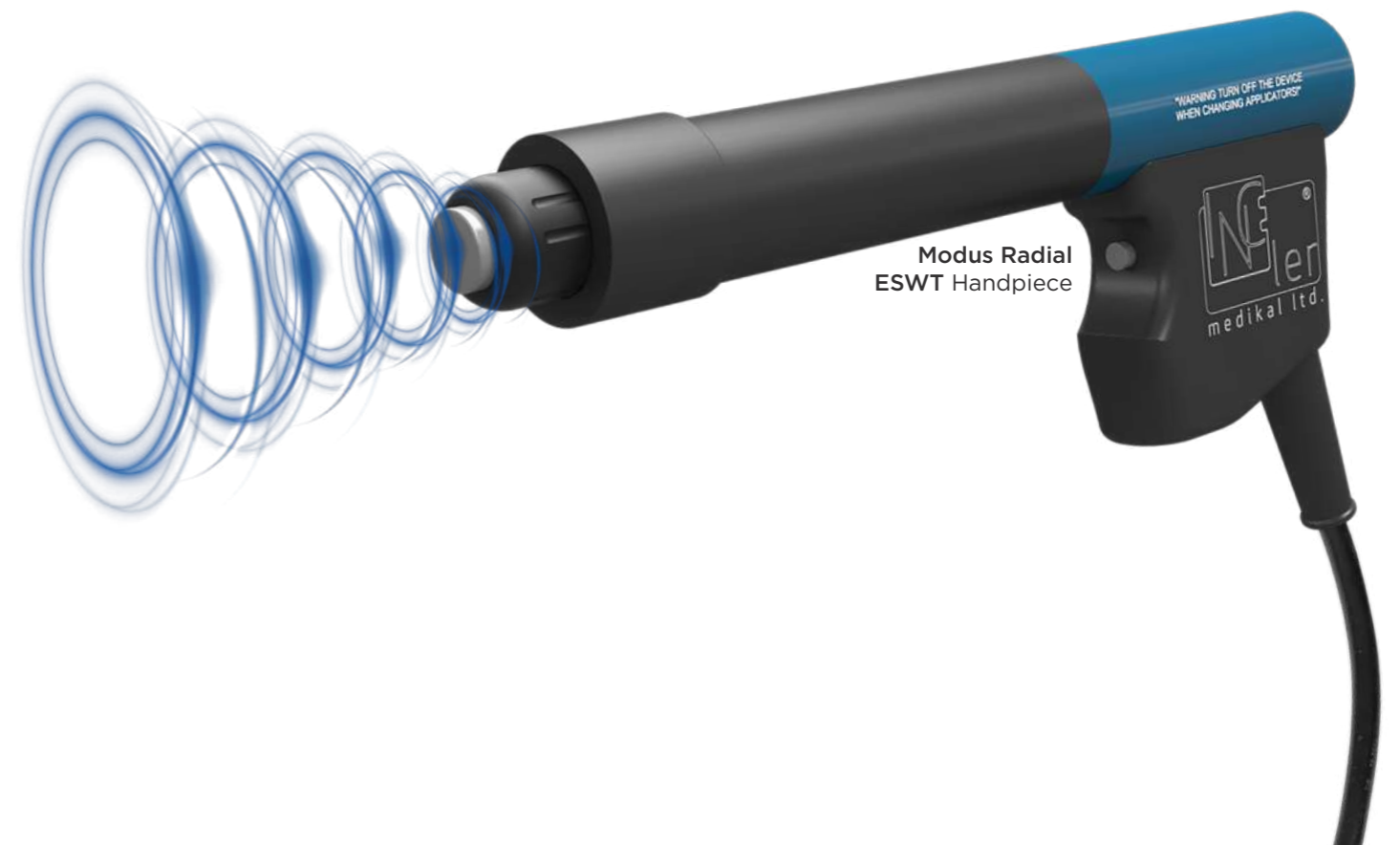


Modus Radial ESWT
with Touch screen and
Built-in compressor

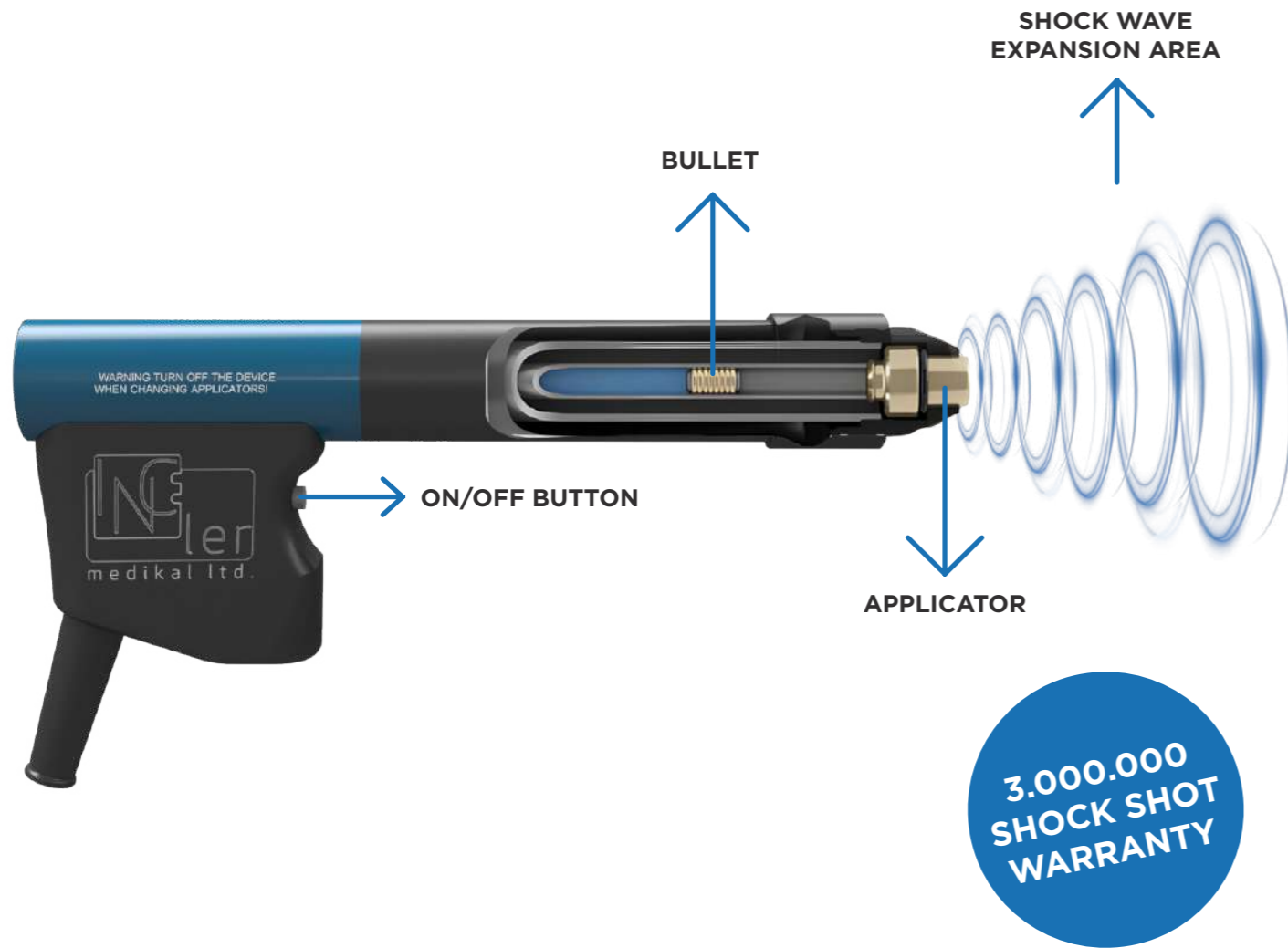
EXTRACORPOREAL SHOCK WAVE THERAPY

Extracorporeal shock wave therapy is a frequently preferred method in the fields of veterinary medicine, neurology, sports medicine and aesthetics, especially orthopedics and physical therapy. This system is highly advantageous since it increases vascularization, collagen synthesis and oxygenation in the tissues around of applied area. Thus, a faster tissue healing occurs and a mechanically stronger tissue is obtained.

This is a non-invasive device, so it provides desired treatment without the need for an surgical operation.



Modus Radial
ESWT Handpiece



MODUS RADIAL ESWT HANDPIECE

- > Modus device is much lighter and ergonomic with its renewed handpiece.
- > The handpiece makes the treatment easier with its aesthetic design, stability and long life effective rhythms. It provides providing an easy and reassuring performance by gaining the the user's approval.
- > The Modus Radial ESWT revision kit has a capacity of 3,000,000 shots.

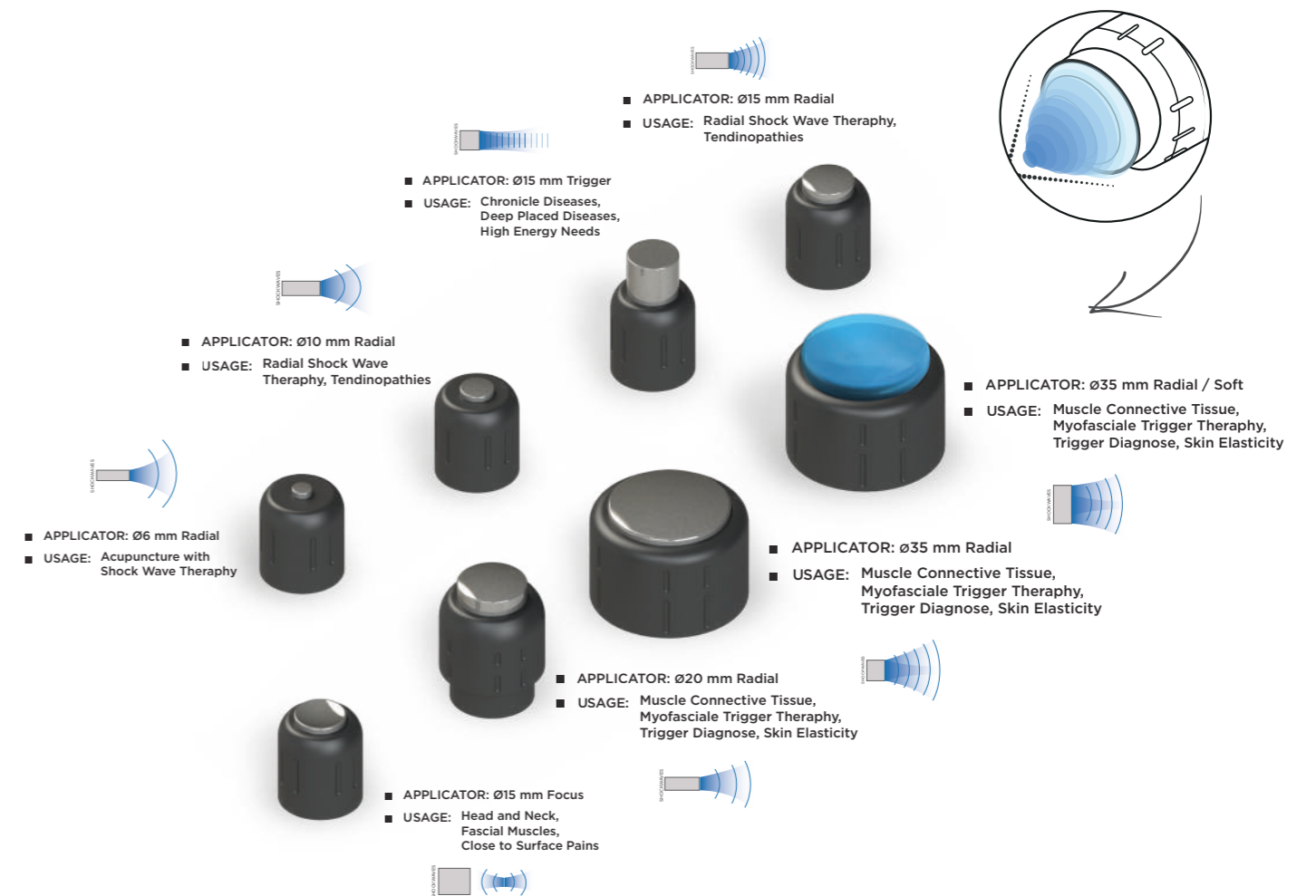
MODUS RADIAL ESWT APPLICATORS

- > Modus Radial ESWT has a wide range of applicators suitable for every treatment.
- > System applicators transmit pulses of max 22 Hz to the body through handpiece and provide a penetration depth of up to 30-40 mm in the tissue.

SOFT APPLICATOR

The optionally available soft applicator is designed to be used in the most painful and sensitive areas. It has a focused application feature and it provides the possibility of local and regional treatment by absorbing the shock waves applied to the painful areas by the tissue.

- > Modus Radail ESWT is the only ESWT device with soft applicator technology. This option makes Modus unique.
- > Soft applicator provides easy usage on painful and sensitive areas.



MODUS RADIAL ESWT SOFT APPLICATOR TECHNOLOGY

MODUS RADIAL ESWT HIGH FREQUENCY SHOCK WAVE THERAPY SYSTEM



1

- > Modus Extracorporeal Shock Wave Therapy system provides the opportunity to apply in a short time period with its high pressure and high energy, so the number of treatment sessions is decreased and visible success is achieved.
- > It is the most powerful Radial Shockwave Therapy device on the market.
- > Provides impulses up to 22 Hz and 5 bar.
- > It is highly beneficial with its lightness and portability.
- > Modus Radial ESWT is light weight and easy to carry with trolley, also It can be easily moved by detaching from its stand when desired.

2

- > The device provides ease of use with its color and touch screen technology. In addition, the parameters set during the treatment can be easily followed on the device screen and can be changed as desired during the treatment.
- > Modus Radial ESWT device provides archive support to the user with its patient record and follow-up menu.
- > The system offers visual and written explanation support to the user with ready-made treatment programs on its treatment parameters page. Applicator selection can be made to suit each treatment.
- > The Modus Radial ESWT system can be controlled via the touch screen. When the target shock count reaches max, the system automatically stops and the user can intervene in the device as they wish.

3

- > Modus Radial ESWT revision kit has 3.000.000 shot capacity.
- > The net effect of the treatment provided by Modus Radial ESWT is transmitted to the tissue as 5 bars.
- > Modus Radial ESWT applicators can be cleaned with medical surface sterilizations.





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.



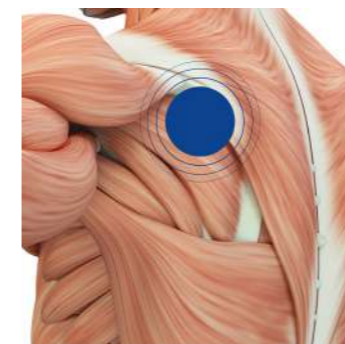
ACHILLODYNIA

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. Tendinitis 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. Radial 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.



PATELLAR TYPE SYNDROME

The patellar tendon connects the lower pole of the tibia patella. The main clinical advent is pain in the lower pole of the patella. Patellar tendinopathy (PT) occurs with chronic wear of the patellar tendon. For individuals who are physically active, Patellar Syndrome can be a condition that can limit their participation in their sports or activities. The pain and discomfort associated with the conditions can be intermittent or continuous and can significantly affect a person's quality of life. Besides these factors, there are several other risk factors that can contribute to the development of Patellar Syndrome. These factors include poor flexibility or range of motion in the hip or ankle, a sudden increase in activity, poor biomechanics or movement patterns, and bad shoes or equipment. Radial Extracorporeal Shock Wave Therapy is a non-invasive treatment option that has been shown to be effective in the treatment of patellar syndrome. During the procedure, high-energy shock waves are delivered to the affected area, which can stimulate the body's natural healing process and reduce pain and inflammation.



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 starts poin on lower back.



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. Radial 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.



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.

TECHNICAL SPECIFICATIONS

PAIN TREATMENT IN 4 STEPS



MANUFACTURER	INCELER MEDİKAL SAĞLIK HİZ. SAN. TIC. LTD. ŞTİ.
MODEL	Modus Radial 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
USER MODE	Auto (Ramp-up), Continuous, Burst, Single
COMPRESSED AIR SUPPLY	Internal/Portable Compressor
AVERAGE PRESSURE	1 - 5 bars
FREQUENCY RANGE	1 - 22 Hz
VOLTAGE & FREQUENCY	220-240 ±% 10 VAC, 50/60 Hz
EXIT PRESSURE	1 - 5 bars
DISPLAY	Touch Screen
TREATMENT START/STOP SETTINGS	Touch Screen and Handpiece Button
PARAMETER STORAGE MEMORY	3 Programmable Memory Keys (S1, S2, S3)
TREATMENT PROTOCOL	20-30 Units
USER PASSWORD	Yes
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 15 mm Focus Ø 20 mm Radial Ø 35 mm Radial Ø 36 mm Radial Ø 35mm Radial Soft
WEIGHT	12 kg
DIMENSIONS(H X W X W) (MM)	125 mm x 390 mm x 316 mm
SPECIAL TREATMENT PARAMETER SELECTION AND PROTOCOL SELECTIONS	YES
OPERATING ENVIRONMENT	10° C ≤ Temperature ≤ 40° C 30% Rh ≤ Humidity ≤ 80% Rh
STORAGE ENVIRONMENT	-10° C ≤ Temperature ≤ 50° C 20% Rh ≤ Humidity ≤ 90% Rh



1. EXAMINATION
Locate the painful area.



2. MARK
Mark the painful area.



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



4. APPLY SHOCK WAVE
Apply the applicator firmly to the painful area on the skin.





MORE COMFORTABLE AND EFFICIENT TREATMENT WITH MODUS RADIAL HANDPIECE!

- > It has a power button that provides easy use during treatment.
- > It has a suspension system to fully provide the effect to the tissue.
- > It offers a wide selection of applicators according to the treatment.
- > It has easy maintenance and revision kit replacement.
- > It has an ergonomic design as it is light and does not tire the user's hand.
- > Stable and long lasting.

“MODUS RADIAL ESWT HANDPIECE IS COMPATIBLE WITH OTHER BRAND ESWT DEVICES”

ESWT REVISION KITS

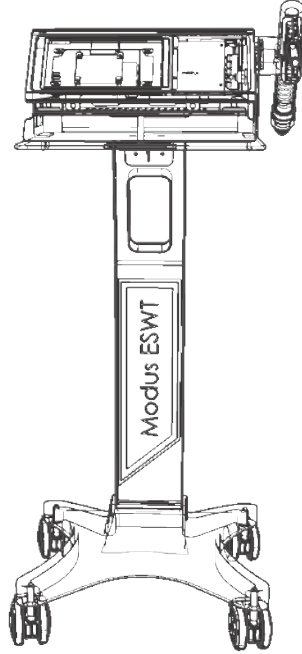


As İnceler Medikal, we manufacture revision kits compatible with BTL, EMS, STORZ, EME, CHATTANOOGA and other ESWT devices, and our Revision Kits have a 3 million shot capacity.

**3.000.000
SHOCK SHOT
WARRANTY**



Orthopedics



Technology For Health

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