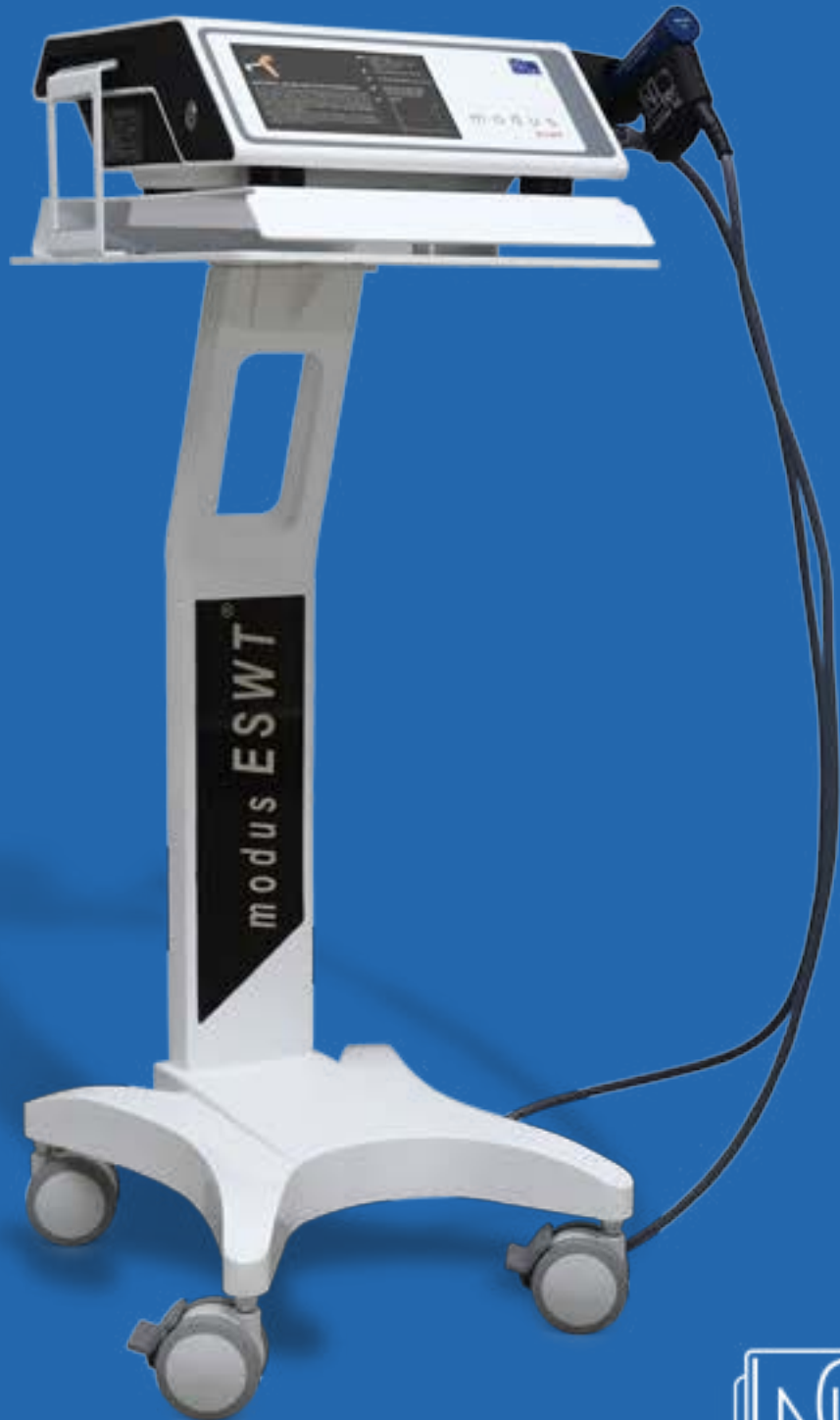


# MODUS ESWT<sup>®</sup>



ESWT RADIAL SHOCKWAVE THERAPY



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Touchscreen interface  
With built-in compressor  
Modus ESWT

## **EXTRACORPOREAL SHOCK WAVE THERAPY**

The method of application of therapy with shock waves given outside the body is a frequently preferred method in the fields of veterinary medicine, neurology, sports medicine and aesthetics, especially in the fields of orthopedics and physical therapy. This system is highly advantageous since it provides a faster tissue healing by increasing vascularization, collagen synthesis and oxygenation in the tissue in the application area, developing less adhesiveness and providing a mechanically stronger tissue.

Thanks to the non-invasive working principle of the system, the desired treatment can be provided without the need for an operation.



Modus ESWT Handpiece

## MAIN INDICATIONS FOR THE SYSTEM

### EPIN CALCANEI

It is a complaint that manifests itself as a hardening under the heel bone due to excessive strain and pain is felt when stepping on it. With treatment, it is ensured that the effect on the foot is reduced by eliminating the symptoms of pain and increasing the load capacity.



### CALCIFIED TENDONITIS OF SHOULDER

It is a type of calcified tendinitis and is a complaint of shoulder pain caused by secondary inflammation caused by calcium deposits in the tendons close to the shoulder joint. With shock wave therapy, the biochemistry of the environment is changed and the release of pain-reducing substances is increased.

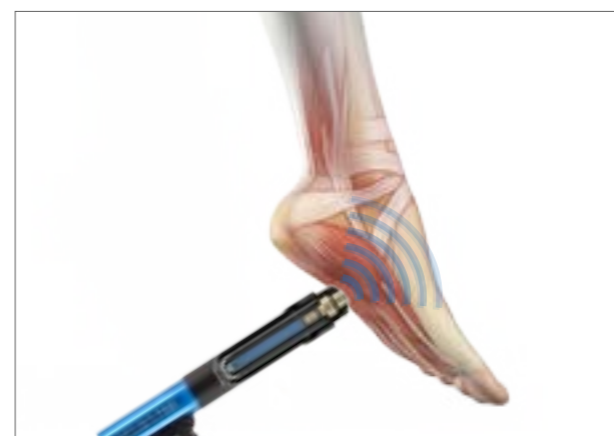


### PLANTAR FASCIITIS

Plantar fasciitis is one of the most common orthopedic complaints. Plantar fascia is subject to a lot of wear and tear in daily life. Normally, these ligaments act as shock absorbers and support the arch of the foot. Too much pressure on the feet can tear or damage the ligaments. Therefore, inflammation occurs in the plantar fascia, and this inflammation causes heel pain and stiffness.

Symptoms of Plantar Fasciitis: The main symptom in those with plantar fasciitis is pain and stiffness under the heel. This develops over time. It usually affects one foot, but can affect both feet. The pain is usually worse when getting out of bed in the morning and taking the first few steps, sitting for a long time, or lying down.

The application time of ESWT treatment in soft tissue sessions is approximately 5-20 minutes. 3-4 sessions are done.



### ACHILLES TENDON

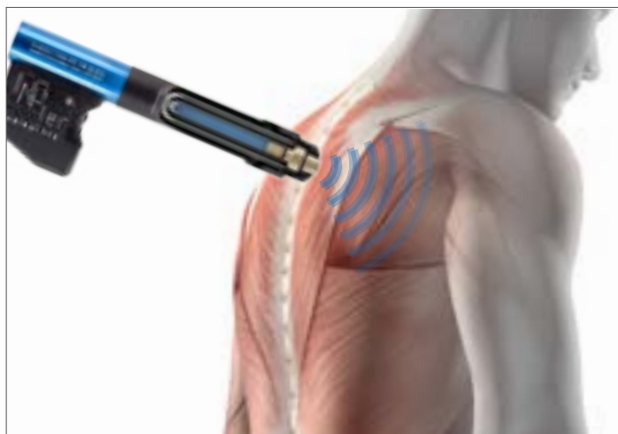
The Achilles tendon is one of the longest tendons in the body, extending from the calf to the heel bones. It is a flexible tissue in the form of a strip. Located on the heel and behind the ankle, it can be felt when the foot is moved. The Achilles tendon directs the toes towards the floor and provides stretching of the foot. Tendons gain mobility faster, more successfully and permanently than desired with Modus shock wave therapy.





## 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 (Tennis Elbow)/ MEDIAL EPICONDYLITIS (Golfer's Elbow)

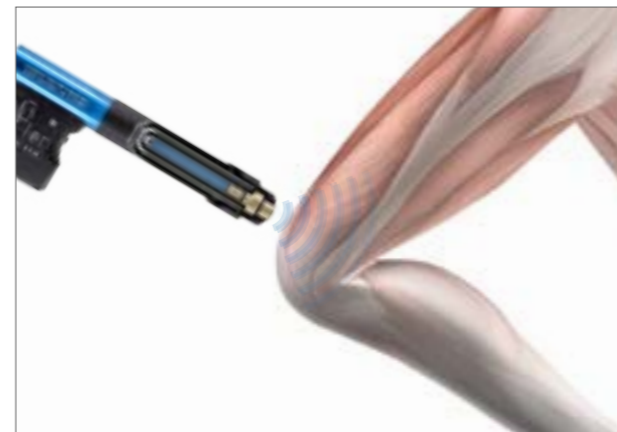
Tennis elbow and Golfer's Elbow are diseases characterized by pain and tenderness in the bony prominence on the inside of the elbow. The elbow joint is located between the "humerus" bone on the upper arm and the "ulna" bone on the lower arm. Chronic tendinitis or trigger point treatment that stimulates pain is applied to relieve the complaints of elbow pain due to excessive use.



## PATELLAR TYPE SYNDROME

The patellar tendon attaches the bottom of the kneecap (patella) to the top of the shinbone (tibia) The main clinical symptom is pain at the lower pole of the patella. Patellar tendinopathy (PT) is a chronic overuse injury of the patellar tendon.

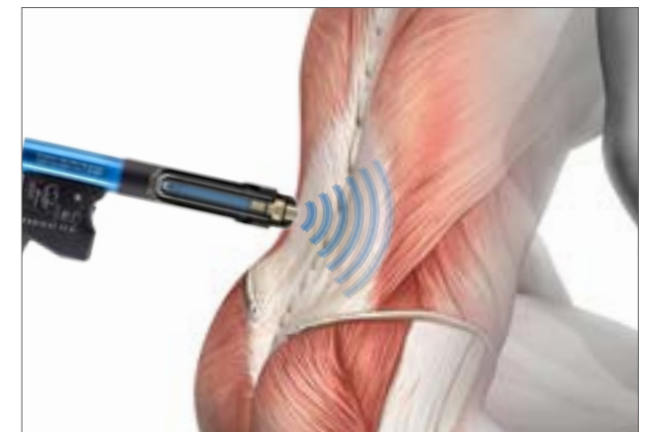
The application time of ESWT treatment in soft tissue sessions is approximately 5-20 minutes. 4-6 sessions are done. After a total of 4-6 sessions with an interval of 3-5 days, there is a high level of well-being and pain and complaints are largely eliminated within 4-6 weeks.



## 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. The person enters the pain process due to the decrease of oxygen in the circulation and the nutrients needed by the metabolism and the accumulation of metabolic wastes.



## BROKEN BONE

Patients show symptoms such as pain, bruising, cracking, swelling, deformity, impaired symmetry, inability to move, and limitation of movement due to disorders in the joints, bones and adjacent tissues such as fractures, dislocations and sprains that occur after trauma. ESWT has effects on fracture healing, bone and cartilage tissues. In non-healing fractures (pseudoarthrosis), it has been observed that when shock waves are applied around the fracture, osteoblastic (bone-forming cell) activity increases and healing is accelerated by stimulating the periosteum (bone membrane). Modus ESWT transmits shock waves directly to the focal point.



## CARPAL TUNNEL SYNDROME

Carpal tunnel syndrome is a common condition that causes pain, numbness, and tingling in the hand and arm. Carpal tunnel syndrome is caused by pressure on the median nerve as it passes through the carpal tunnel. Studies show that women and the elderly are more likely to develop this condition. Conditions such as heredity, repetitive hand use, pregnancy, diabetes, rheumatoid arthritis and thyroid gland imbalance are known to trigger carpal tunnel syndrome.



## CELLULITE

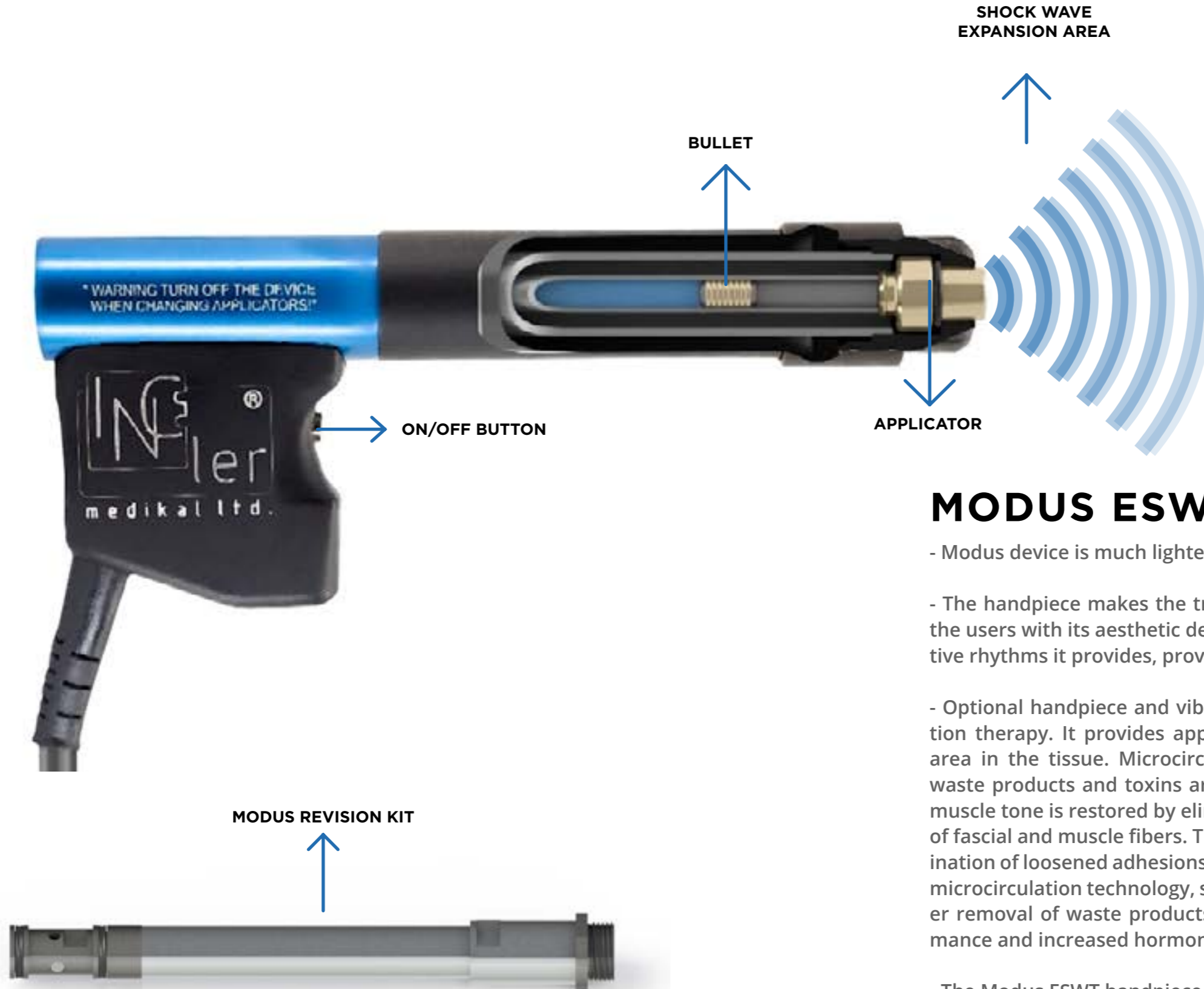
The connective tissue under the skin loses its elasticity, and as a result of deep retraction of the subcutaneous adipose tissue, the orange peel appearance of the skin surface is formed. Shock waves showed some effect on adipose tissues. Shock waves with the power to destroy high vibration waves cause the breakdown of fat and release the skin. Thus, it eliminates the orange peel, providing a smoother surface.



## TIBIAL SYNDROME

Runner's leg syndrome, also known as "medial tibial stress syndrome", is a severe and throbbing pain condition seen on the inner surface of the shinbone in people who do extreme sports or are new to sports. Slight swelling in the leg and pain occur when pressing the bone with a finger. It is often seen after excessive running. It is the inflammation of the periosteum, the osseous membrane that surrounds the bone. (periostitis)





**3.000.000  
SHOCK SHOT  
GUARANTEE**

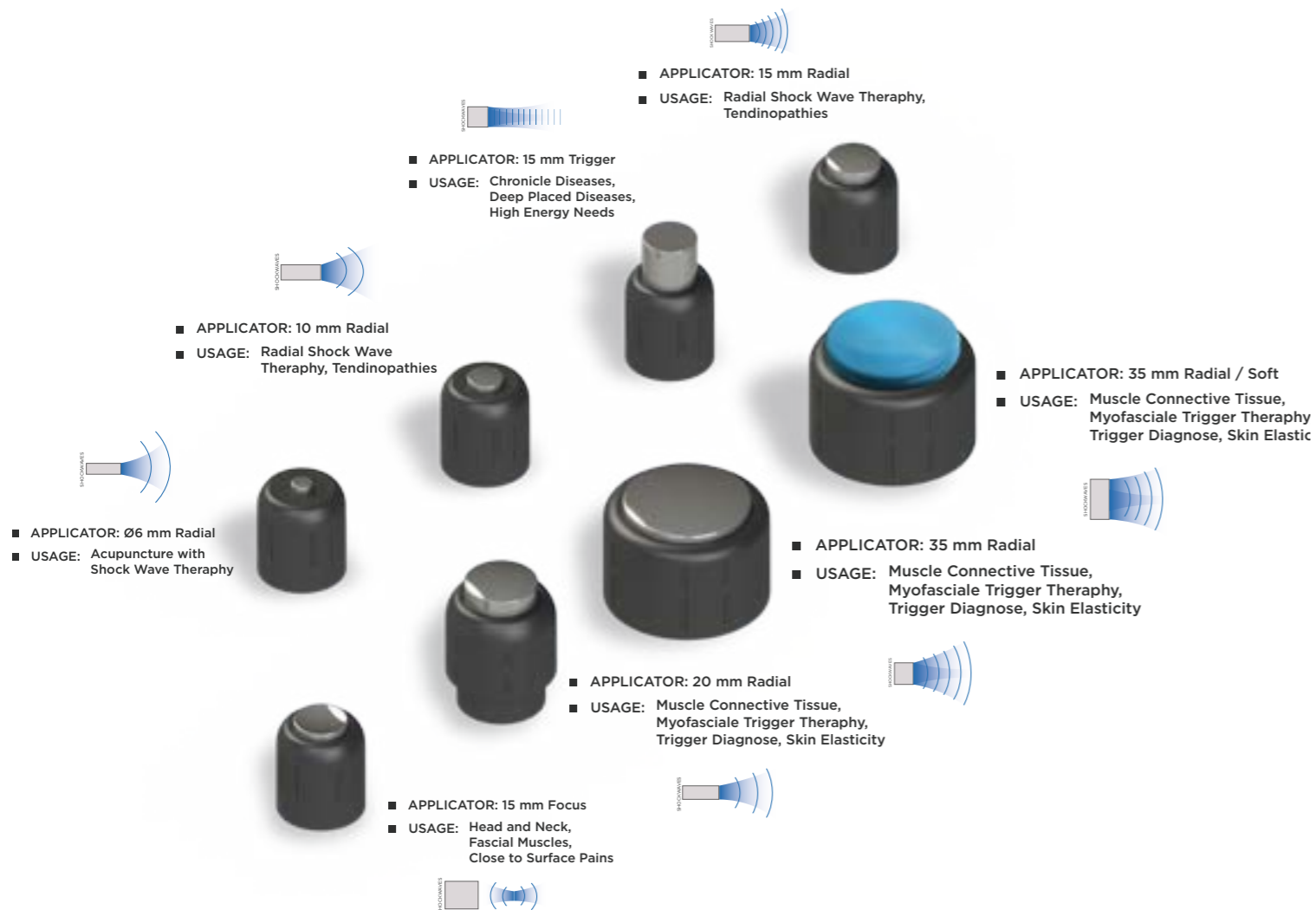
## MODUS ESWT ELCEĞİ

- Modus device is much lighter and ergonomic with its renewed handpiece
- The handpiece makes the treatment easier by gaining the appreciation of the users with its aesthetic design, stability and long life, as well as the effective rhythms it provides, providing an easy and reassuring grip.
- Optional handpiece and vibrating head provides extra physiological vibration therapy. It provides application with vibration pulses to the targeted area in the tissue. Microcirculation improves compression and metabolic waste products and toxins are removed through blood and lymph. Normal muscle tone is restored by eliminating elongation, shortening and hardening of fascial and muscle fibers. The main indications of this handpiece are; elimination of loosened adhesions in muscle and connective tissue with improved microcirculation technology, stimulating metabolic activity of the tissue, faster removal of waste products and toxins, improved neuromuscular performance and increased hormone release (serotonin) to ensure well-being.
- The Modus ESWT handpiece has a capacity of 3,000,000 shots
- The effect of the treatment provided by Modus ESWT is transmitted as 5 bars.



## MODUS ESWT APPLICATORS

- Modus ESWT has a wide range of applicators suitable for every treatment.  
- System applicators transmit pulses of max 22 Hz to the body through the handpiece and provide a penetration depth of up to 125 mm in the tissue it comes into contact with.

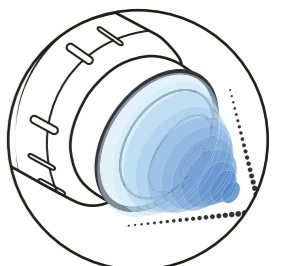


## SOFT APPLICATOR

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 point and regional treatment by absorbing the shock waves applied to the painful areas by the tissue.



Making a difference with its unique technology, Modus ESWT is the only device with a soft applicator. With the soft applicator, ease of use is provided in the painful and sensitive areas.





# MODUS ESWT HIGH FREQUENCY RADIAL SHOCK WAVE THERAPY SYSTEM

- Modus Extracorporeal Shock Wave Therapy system allows to apply high pressure and high energy in a very short time, reducing the number of treatment sessions and providing higher success.
- 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. (10 kg)
- 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 ESWT device provides archive support to the user with its patient record and follow-up menu.
- The device has software that is easy to update. All software operations can be performed through its USB / LAN ports.
- The system provides visual and written expression support to the user with the ready-made treatment programs in its content. The preferred applicator selection can be made according to the preferred treatment and usage area.
- Modus ESWT applicators can be cleaned with medical surface sterilizations. The applicators are resistant to ethylene oxide and medical surface sterilization.
- The Modus ESWT system can be controlled via the touch screen, the button on the handle or the commands given from the foot pedal. When the set number of beats is reached at the beginning of the treatment, the system automatically stops and the user can intervene in the device as they wish.
- Modus ESWT has 3.000.000 shot capacity.
- Effect of treatment done by Modus ESWT is transmitted to body as 5 bars.
- Since the Modus ESWT has a trolley, it is portable. It can be easily moved by detaching from its stand when desired.



**PROVIDES EASE OF USE WITH  
ITS COLOR AND TOUCH SCREEN  
TECHNOLOGY.**

# MODUS ESWT TECHNICAL SPECIFICATIONS

# MODUS ESWT RADIAL SHOCK WAVES



MANUFACTURER	İNCELER MEDİKAL SAĞLIK HİZ. SAN. TIC. LTD. ŞTİ.
MODEL	Modus®
USER MODE	Single, Continuous, Auto, Burst
COMPRESSED AIR SUPPLY	Internal Compressor, Portable model
AVERAGE PRESSURE	1 to 5 bars
FREQUENCY OF USE	1-22 Hz
POWER SUPPLY	100 - 240 VAC, 50/60 Hz, 50 W
FUSES	2 x 1 A, 230 VAC
DISPLAY	T FT Touch screen
TREATMENT START/ STOP	Main Unit Button, Handpiece Button and Optional Foot Pedal
PARAMETER MEMORY	3 -User defined
READY TREATMENT PROTOCOL	20
USER PASSWORD	Yes
INSULATION	Internal 12 V DC transformer insulation
HANDPIECE	SUSPENSION SYSTEM, 3 million shock pulses
APPLICATORS	6mm Radial 10mm Radial 15mm Radial 15mm Trigger 15mm Focus 20 mm Radial 35mm Radial 35mm Radial Soft
WEIGHT	10 kg
DIMENSIONS	Control Unit: 320 mm X 390 mm X 125 mm
CLASSIFICATION	Conforms to EN 60601-1criteria. Class 1 Applied Part BF IP 20 (Foot Pedal IPX5) MOD 93/42 CEE Class IIb EMC Tests Report No. LVT, Ankara
CUSTOM TREATMENT PROTOCOL SELECTIONS	YES
OPERATING ENVIRONMENT	10°C ≤ temperature ≤ 30°C 30% ≤ humidity ≤ 75% 700 hPa ≤ atmospheric pressure ≤ 1060 hPa
STORAGE AND CARRIAGE CONDITIONS	-10°C ≤ temperature ≤ +40°C 10% ≤ humidity ≤ 95% 500 hPa ≤ atmospheric pressure ≤ 1060 hPa



# ESWT REVISION KIT

## More comfortable and efficient treatment with Modus Handpiece!

- Power button for easy use during treatment
- Net effect on tissue is 5 bar
- Suspension system for full effect on the tissue
- Wide applicator selection according to the treatment
- Easy maintenance and revision kit change
- It has an ergonomic design as it is light and does not tire the user's hand.
- Stable and long lasting

**MODUS ESWT HANDLE IS  
COMPATIBLE WITH OTHER  
BRAND ESWT DEVICES.**



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  
GUARANTEE**



## PAIN TREATMENT IN 4 STEPS



**1. EXAMINATION**  
Locate the painful area.



**2. MARK**  
Mark the area with pain.



**3. APPLY GEL**  
Apply gel to elevate the conductivity of the shock waves for the applied painful area.



**4. APPLY SHOCK WAVE**  
While transmitting the Shock Waves to the painful area with our Radial or Focused Device, apply the applicator firmly to the painful area on the skin.







*inceler medikal*

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