



# MODUS ED - SWT



**Low Energy Density  
Focus Model**

**MODUS ED-SWT Device**

[www.incelermidikal.com](http://www.incelermidikal.com)

## ABOUT US

### Inceler Medikal

İNCELER MEDİKAL LTD. ŞTİ. was established In Ankara In 2010. Over time, it has gained the trust of its customers with its experienced staff and high quality service concept by reaching the capacity and expertise level which can produce suitable spare parts for many world famous brands. In 2012, it started to design its own products. The first product of the Pneumatic Lithotripsy system was Lithobox , followed by Modus with Therapy system with shock waves from outside the body and SPARK which has kidney stone crushing system with shock waves from outside the body. These products took place in the market. The devices that we have produced are designed with taking in consideration the high security, advanced technology, economic and aesthetic parameters together and are designed with the criteria that can be the best in their class.



It aims to stay in the sector as an R&D company. İNCELER MEDİKAL has the mission of maximizing the satisfaction of the valuable healthcare workers by exceeding their expectations.

## SHOCK WAVE THERAPY

### WHAT IS SHOCK WAVE THERAPY ?



The shock wave therapy system has not any side effects. No medication or surgical intervention is required during the sessions.

Shock wave therapy is a multi-purpose treatment system used in orthopedics, physiotherapy, sports medicine, urology, aesthetics, beauty and veterinary medicine. It is an effective treatment method used to accelerate recovery without the need for invasive operations & medications and it used to eliminate indications that cause acute and / or chronic pain.

Shock waves cause mechanical stress and micro trauma when applied to an anatomical region. This mechanical stress and micro-trauma lead to the formation of angiogenic factors. Thus, it induces a series of biological reactions that increase blood flow and trigger neovascularization of tissue.



## MODUS ED-SWT

### Low Intensity Focus Model Shock Wave Therapy System

The ED-SWT system provides targeting and focusing to a selected anatomical region, unlike the radial shock therapy system. It performs the direct transmission of shock waves to the focal point. Modus ED-SWT like Modus ESWT used in such as physiotherapy, orthopedics, veterinary applications etc. It is also used in the treatment of erectile dysfunction disorder known as impotence among the public.

The working principle of Modus ED-SWT is based on electrohydraulic focusing. It uses acoustic waves to initiate the neovascularization process in some parts of the body with shock wave therapy. As a result of neovascularization, new blood vessels are formed.



#### MEMORY

10-user defined  
Treatment Protocol

#### PROBE HEADS

3 Units

#### WEIGHT

35 kg

#### HANDPIECE

5 Million Shock Pulses

#### POWER SUPPLY

220-240 VAC

50/60Hz. 50 W

#### FUSES

2x1A, 230 VAC

#### WORKING PRINCIPLE

Electrohydraulics  
Focused

#### DIMENSION (W-L-H)

450mm x 350mm  
x 930mm

#### POWER

100mJ-200mJ

#### FREQUENCY

1-4 Hz

#### WARRANTY

24 Months

## MAIN TREATMENT AREAS

### Plantar Fasciitis

The plantar fascia is a strip of flat tissue that connects the heel bone to the toes. The plantar fascia moves from front to back along the soles of the foot and adheres to the heel. This structure, which supports the foot arch, also helps to walk. The connective tissue strip surrounding the sole of the foot may tear or be damaged due to excessive pressure of the foot. This causes pain in the heel and hardening of the heel. With focused shock wave therapy, Side effects on the feet are eliminated.



### Shoulder Calcified Tendonitis

Calcific tendonitis (or tendonitis), is the calcium accumulation in your muscles or tendons. This usually occurs in the rotator cuff, although it can be anywhere in the body.

A rotator cuff is a group of muscles and tendons that connect your upper arm to the shoulder. Accumulation of calcium in this area may cause pain and discomfort as well as limiting the range of motion in your arm.

In Mild to moderate situations, ESWT (extracorporeal shock wave therapy) method can be used. This preventive treatment method is based on the principle of applying mechanical shock waves on your shoulder.

Thus, by creating free radicals and changing the biochemistry of the environment, the pain is eliminated.





## Technical Specifications

### MEMORY

10-user defined  
Treatment Protocol

### PROBE HEADS

3 Units

### WEIGHT

35 kg

### HANDPIECE

Generator Warranty  
5 Million Shock Pulses

### POWER SUPPLY

220-240 VAC  
50/60 Hz, 50 W

### DISPLAY

TFT Touch Screen

### DIMENSION (W-L-H)

450mm x 350mm  
x 930mm

### POWER

100mJ-200mJ

### FREQUENCY

1-4 Hz

### WARRANTY

24 Months

### FUSES

2x1A, 230 VAC

### CLASSIFICATION

Conforms to EN 60601-1  
Criteria Class I Type B  
IP 20 MDD 93/42 CEE Class IIb

### INSULATION

Internal 12 V DC  
Transformer Insulation

### WORKING PRINCIPLE

Electrohydraulics  
Focused

### OPERATING ENVIRONMENT

100C ≤ temperature ≤  
300C 30% ≤ humidity ≤ 75%  
700 hPa ≤ atm press. ≤ 1060 hPa

### CONDITIONS

T0% ≤ humidity ≤ 95%  
500 hPa ≤ atm press. ≤ 1060 hPa

made in

Turkey

Discover  
the potential

**MODUS ED-SWT**  
**GET BACK TO YOUR**  
**HEALTHY LIFE EASILY**

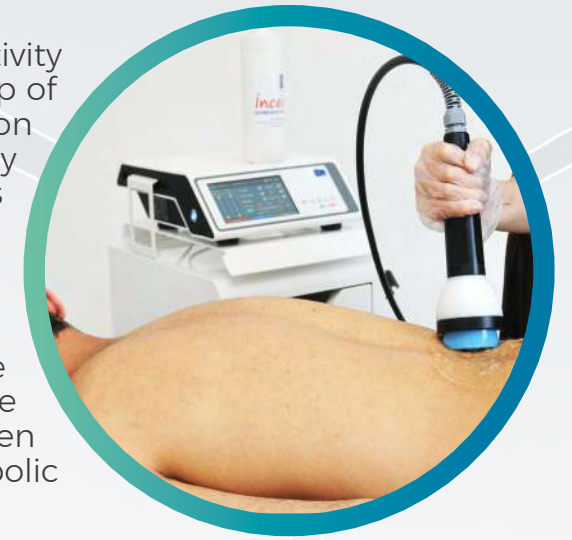


### Bone Tissue - Bone Pathologies /Osgood Schlatter



Osgood-Schlatter disease is an inflammation of the area just below the knee where the tibia of the patellar tendon is attached. ESWT (extracorporeal shock wave therapy) can be used for the treatment of Osgood-Schlatter disease. The duration of modus ED SWT sessions to soft tissues is approximately 5-20 minutes. After a total of 4-5 sessions with 3-5 days intervals, pain and complaints are largely eliminated within 4-6 weeks.

### Trigger Points - Idiopathic Low Back



Trigger point: is a painful muscle area where the sensitivity in the area where the normal functional relationship of muscle fibrils is disrupted has a regional distribution character. The trigger points affect the muscle by making it weak and tense. Causes strong contractions in the muscle group. It causes shoulder, arm and low back pain. Muscles in constant contraction also exert pressure on the bones, causing these symptoms to occur in the adjacent joints and disrupting the blood circulation of the neighboring region. The person enters the pain process due to the decrease in the nutrients needed by the circulating oxygen and metabolism and the accumulation of metabolic residues.

### Achilles Tendinopathy

Achilles tendon is one of the longest tendons in the body, ranging from calf to heel bone. It is a ribbon-shaped flexible texture. It is located on the heel and behind the ankle. With modus shock wave therapy, tendons are able to move more quickly, successfully and permanently than desired.



### Lateral Epicondylopathy

It's known as the golfer's elbow. It is a painful condition seen on the outer side of the elbow where the muscle-tendon attaches to the bone. The elbow joint is located between the bone called humerus on the upper arm and the ulna on the lower arm. Lateral epicondylitis has degeneration and weakening at the tendon adhesion site. This may cause pain (stretching, grip, etc.) in relation to movements in which the muscle is active. Modus ED-swt treatment is performed without the use of anesthesia.

### Peroneal Tendinopathy

Peroneal tendons are always ligaments that are responsible for stabilizing the load-bearing ankles against sprains. Peroneal tendons allow us to walk in a stabilized manner. Peroneal tendonitis may occur as a result of repetitive movements of the ankles. This discomfort is very painful. Modus ED-SWT treatment is performed without the use of anesthesia.



### Myofascial Syndrome

Myofascial pain syndrome, defined as regional musculoskeletal pain, is a disease caused by acute or chronic trauma of skeletal muscles. Myofascial pain syndrome also has recurrent severe pain. In the body: Neck pain, Back pain, Low back pain, Pain in the knees, Pain in the elbows, Pain in the bones, Pain in the chest and causes stinging. The superior focusing power of the modus ED-SWT device stimulates the damaged tissues to ensure their healthy form.







**DRUG-FREE**  
**PAINLESS**  
**TREATMENT**



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