



kimatur

Enhanced Usability

Unique Design



[www.tur-web.com](http://www.tur-web.com)



# kimatur Powerful Therapy

kimatur is a radial high power shockwave therapy that utilizes scientific evidence with the latest technology.

A precisely controlled pneumatic system delivers powerful therapy waves to the affected tissues, treating conditions that traditionally require surgical approach.

The therapeutic results of RSWT come from a sequential, multilevel interaction of the produced pressure with the human tissue.

Apart from the obvious mechanical effect, RSWT has been shown to act efficiently at the infra-cellular level.

Neo-vascularization, cavitation and anti-inflammatory actions have been proven to be part of the mechanism that lay behind kimatur's novel therapy pressure waves.



## Applications

The continuously increasing range of shockwave applications expands as scientists all over the world explore the possibilities of this new technology.

### More common ones include:

- Calcifying tendinopathy of the shoulder
- Lateral epicondylopathy of the elbow (tennis elbow)
- Greater trochanter pain syndrome
- Patellar tendinopathy
- Achilles tendinopathy

- Plantar fasciitis, with or without heel spur
- Rotator cuff tendinopathy without calcification
- Medial epicondylopathy of the elbow
- Adductor tendinopathy syndrome
- Pes-Anserinus tendinopathy syndrome
- Peroneal tendinopathy
- Foot and ankle tendinopathies
- Tibial stress syndrome (shin splint)
- Myofascial syndrome
- Muscle sprain without discontinuity
- Cellulite

## Suggestions include:

- Osteoarthritis
- Dupuytren disease
- Plantar fibromatosis (Ledderhose disease)
- De Quervain disease
- Trigger finger
- Spasticity
- Carpal tunnel syndrome
- Pelvic chronic pain syndrome (abacterial prostatitis)
- Erectile dysfunction
- Peyronie disease
- Lymphedema
- Polyneuropathy

# Features (all kimatur models)

kimatur PRIME | DOUBLE | DUO



**Large**  
coloured  
touch screen



**Light** and  
ergonomically  
designed  
handpiece



**Ergonomic**  
holder tray for  
accessories



Large  
wheels  
for **mobility**  
and **stability**



USB ports  
for **remote**  
technical  
support, software  
upgrades and  
backup









Dual **dynamic**  
control of software  
via touch and  
rotary encoder



**Robust,**  
but **elegant**  
metal construction

kimatur PRIME

## Possible combination with

-  ELT
-  EMG
-  US
-  VAC
-  RF
-  Kryo



Powered by Windows® CE



### Impluse counter

With easy resetting code, available online

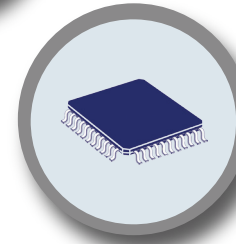


### Modulation

of pressure and frequency

### VAS

Visual analogue scale for pain in 3 condition



### Memory

Intern memory allows up to 1.000.000 entries. Extendable to 8GB via USB/SD. 1GB internal memory

### Save under Favourite

Save protocols in your favourite's menu



### Save under Patient

Save protocols under your patient's names



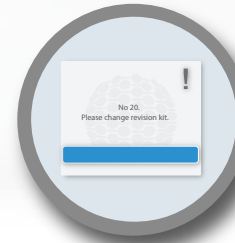
## Software interface kimatur

### Patient

Create new patient files, monitor therapy sessions

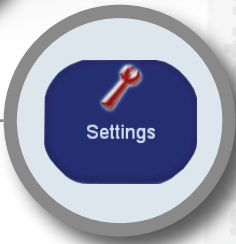


### Error codes and remote troubleshooting



### Settings

Change all the software settings e.g. sound, design, etc



### Library

Pre-set programs and pathology information. All parameters can be modified by user



### Therapy

Quick therapy start - free mode



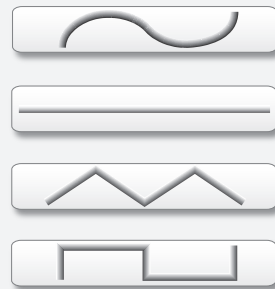
## kimatur PRIME & kimatur DOUBLE

**kimatur PRIME** has been in the market already for 10 years. It remains updated due to the continuous improvements and innovations. Its advanced software gives unique possibilities to the users, such as pressure and frequency modulation modes, single shot and burst mode.

Its low-noise, oil-free compressor delivers high pressure that is transformed to a high energy acoustic wave that reaches deep points inside the tissue.

**kimatur DOUBLE** helps the user save valuable time. Two handpieces can be connected in two different outputs on the compressor bearing different applicator types. The therapist does not need to stop the device in order to change applicators during a therapy, but can work with any of the two handpieces consecutively.

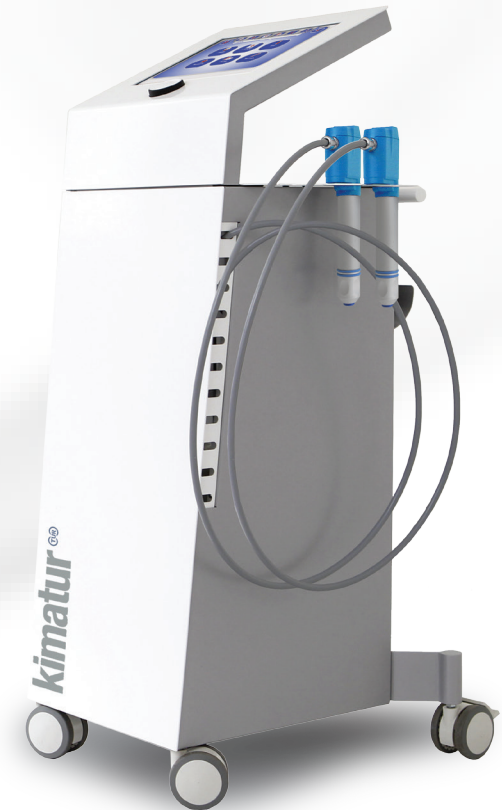
Modulated pressure and frequency is known to enhance the cell metabolism, migration of fibroblast, cell mitosis and protein production.

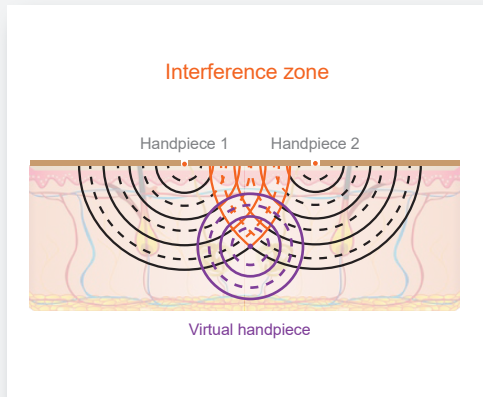


Prof. Dr. H-J. Duchstein, University of Hamburg, 2014

### Energy higher than before

The innovative choice of material for the kimatur applicators allows higher energy transfer to the tissue compared to similar devices, resulting in deeper impact on the tissue and superior therapeutic results.



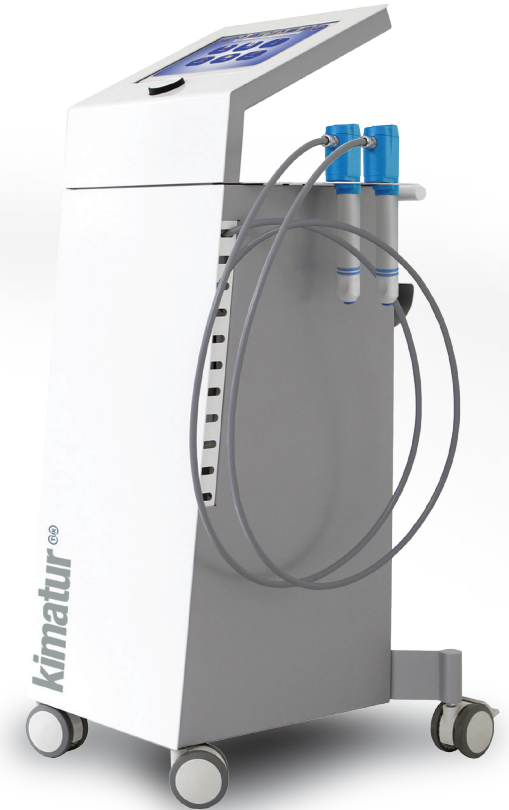


## World-wide innovation by TUR

Our most recent model, kimatur DUO, features a function that is unique and is introduced for the first time by TUR; it gives the possibility to work simultaneously with two handpieces.

The operational parameters of each handpiece can be set individually, while both handpieces deliver full energy. The modulated pressure and frequency mode, typical for the TUR shockwave range, and proven to enhance cell regeneration in in-vitro studies, is also available in this model.

Additionally, the unique interference mode can be applied. The acoustic waves produced by the two handpieces interfere with each other amplifying the energy and creating a third virtual frequency. A further effect is the asynchronous wave transduction, that promotes blood and lymph circulation. Thus, deeper tissues can be reached, while the frequency interference creates a soothing, vibration effect.



## Fascia treatment with the kimatur DUO

With our new shockwave model, the treatment of myofascial pain syndrome becomes more effective than ever before. This new technique combines the application of high energy waves on the trigger point with simultaneous conditioning of the muscle body. The analgesic effect is achieved quicker than with the classic application, while the session time is decreased!

kimatur DUO is more effective compared to the standard devices in the market in various applications including medical aesthetic applications such as cellulite treatment, physiotherapy and rehabilitation applications e.g. treatments of the fascia, as well as in a number of pathologies that arise from poor circulation.

## kimatur GO

The kimatur line could not have been complete without a device that allows the therapist to use it out of the clinic!

The kimatur GO is smaller but not weaker. Utilizing the expertise in pneumatic systems, we have achieved to deliver the high energy waves that kimatur PRIME manages, with a smaller size compressor. The new device can be transferred to different places in its heavy duty carrying bag that protects it and allows its use without removing the device. The trolley has space to put all the necessary accessories and materials needed for a successful therapy!



Should the applications required take place out of the therapist's office, kimatur GO is the best option for you. It is the only device that combines portability with high energy and frequency levels. Sport physiotherapy and veterinary doctors can particularly benefit from the kimatur GO, since they can offer their treatments "on the field".

Once back in the office, kimatur GO can be easily placed on the avventur trolley to look like our high-end therapy tower that houses the rest of our models.

# Applicators



**SM 12mm, Quasi focused**  
Pain Therapy, Trigger Therapy, Calcifications



**SP 12mm**  
Pain therapy, Contractions, Superficial small painful muscles



**MT 14mm, Deep reach**  
Pain therapy, Deep Lying Trigger points



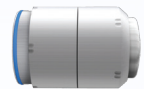
**MM 14mm**  
Pain Therapy, Trigger therapy, Large Calcific deposits, Medium sized muscle conditioning



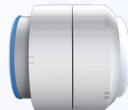
**MP 14mm**  
Superficial medium sized muscles, Heel Spur, Upper surface of the foot



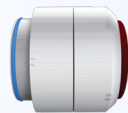
**LP 20mm, Vibra move**  
Connective Tissue, Scar Marks, Painful large, superficial muscle groups



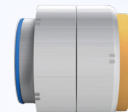
**LM 20mm**  
Large Muscle groups conditioning, Skin deep injuries, Cellulite



**XLP 28mm**  
Cellulite, Lax Skin, Stretch Marks



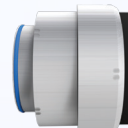
**XLM 28mm**  
Cellulite, Lax Skin, Stretch Marks



**XXLP 36mm**  
Cellulite, Lax Skin, Stretch Marks. In high frequency and low pressure levels lymphodrainage



**XXLM 36mm**  
Cellulite, Lax Skin, Stretch Marks. In high frequency and low pressure levels lymphodrainage



**3XL 40mm**  
Cellulite, Lax Skin, Stretch Marks. In high frequency and low pressure levels lymphodrainage, prep. muscle condition



**4XL 50mm**  
Cellulite, Lax Skin, Stretch Marks. In high frequency and low pressure levels lymphodrainage, prep. muscle condition

## Manufactured by:



**TUR** Therapietechnik GmbH  
an ISO 9001:2015 & ISO  
13485:2016 certified company

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# Specifications

## Shockwave

Mechanism	Pneumatic
Therapy impulses	0-9999
Frequency	1-22 / 35 optional
Max. pressure	5 bars / 6,6 bars working pressure
Min. pressure	0,4 - steps of 0,2
Modes of operation	Continuous, dynamic
Pressure modulation	Yes
Frequency modulation	Yes
Slow pressurization	Yes
Energy density max.	0,72 mJ/mm <sup>2</sup>

## Design Software

Therapy protocols	Yes, 55 physio applications
Patient database	Up to 1.000.000 entries expandable
Integrated application guide	Yes, with 3D anatomical photos
Operational system	Windows CE
VAS	Yes, in three conditions
VAS progress report	Yes, in three conditions
Report printing	Yes
PC interface	Yes

## Applicators

Number of applicators	13
Number of impulses per revision kit	2.000.000
Change of revision kit by the user	Yes, easy and safe

## Design (PRIME, DOUBLE, DUO)

Weight - generator, screen, trolley	max. 50 Kg
Weight - handpiece	800 g
Dimensions of the entire unit (w x h x l)	500 x 1027 x 460 mm
Display device	Graphic colour touch screen diag. 12.1" / 30.7 cm, resolution 600 x 800 pixels

## Design (GO)

Weight	max. 12 Kg
Weight - handpiece	800 g
Dimensions of the entire unit (w x h x l)	330 x 320 x 230 mm
Display device	Graphic colour touch screen diag. 12.1" / 30.7 cm, resolution 600 x 800 pixels

## Energy supply

Net	100 - 230 VAC / 50 - 60 Hz (kimatur GO) 230 ± 10% 50 - 60 Hz or 115 ± 10% 50 - 60 Hz (kimatur PRIME, DUO, DOUBLE)
Equipment protection	Protection Class I / Protection degree IP10
Externally replaceable fuses	2A
Power switch according to IEC 60601-1	Yes

## Classification

Applied section	Type BF
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