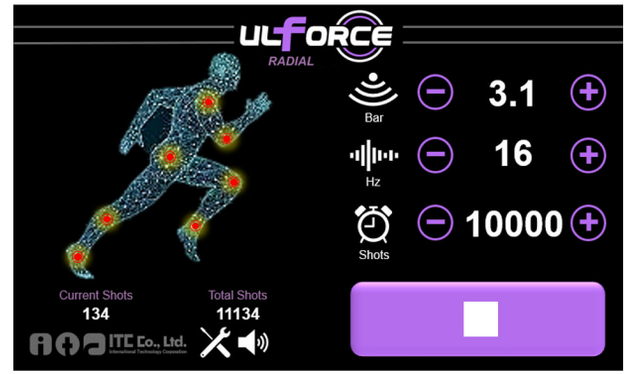
Ulforce Radial

Specification

Voltage / Hz	220V / 60HZ
Shockwave source	Pneumatic pulse method
Shockwave pressure	1~5Bar (0.1unit, 41step)
Probe size	Ø15F, Ø20R (optionØ15R)
Output energy density by applicator	0.5 / 0.7 / 0.25 [mJ / ㎟]
Hz	1~17㎐
Number of operations	100~10000
Dimension	400 x 510 x 990 ㎜
Weight	32.6㎏

Screen by mode

- Loding -



- Main - [bar / Hz / Shots 선택]

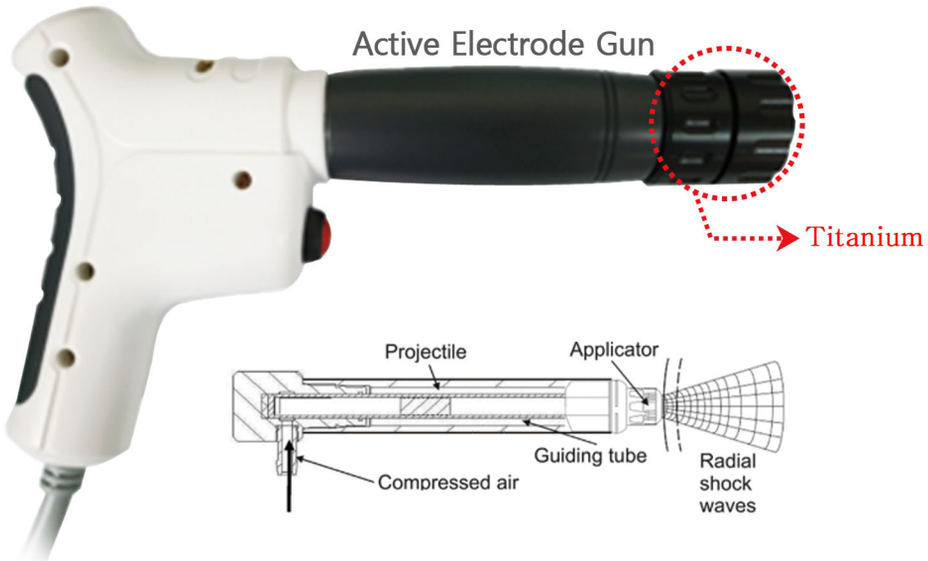
- Choose device maintenance / gun cleaning

-Trans meeter cleaning no.1-

- Trans meeter cleaning no.2-

- Trans meeter cleaning no.3-

E.S.W.Gun How it Works



shockwave pressur : 1~5bar

operation Hz : 1~17Hz

Mchanism of therapeutic effect of ESWT

○ Mechanical effect

-The shock wave changes the chemical composition of the lesion site or induces the synthesis of new components to reduce pain

○ Molecular effect

- The shock wave increases blood supply to the lesion site, reducing inflammation and pain.
- Calcium removal

○ Analgesic effect

- Inducing analgesic effect by overstimulating nerve fibers and increasing the patient's pain threshold
- Inhibits the perception of pain by causing physical changes in the nerve cell membrane

ESWT: In a radial form, the compressed air from the projectile is accelerated by creating a pressure wave using an air box, and then kinetic energy is transferred from the handpiece to the skin.

Advantages of titanium : High-strength titanium is three times stronger and lighter than iron and stainless steel. It is non-corrosive and non-toxic, so it is mainly used in medical equipment.
Also it has higher elasticity and biocompatibility than other metals, so it penetrates up to 50mm in depth of treatment.

Why Choose Radial

◎ Compact design

◎ Convenient way to use

◎ Titanium applicator

◎ Air compressor : Application of specially manufactured air compressor of German company 'K'

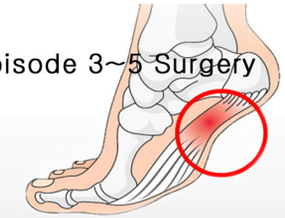
◎ Easy replacement of consumables

◎ Price competitiveness

Protocol for each part

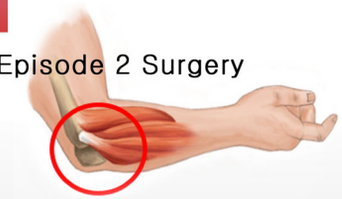
Plantar Fasciitis

treatment cycle : 10~14day interval Episode 3~5 Surgery
Transmitter : 20㎜ (titanium)
Frequency : 8~10 Hz
Pulse : 2000 – 3000
Power : 1.5~2.5 Bar



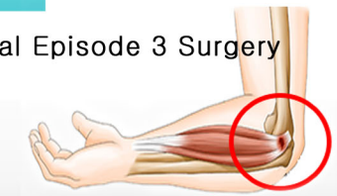
Tennis elbow

treatment cycle : 10~14day interval Episode 2 Surgery
Transmitter : 15㎜ (titanium)
Frequency : 5~7 Hz
Pulse : 2000 – 3000
Power : 1.5~2.5 Bar



Golfer's elbow

treatment cycle : 10~14day interval Episode 3 Surgery
Transmitter : 15㎜ (titanium)
Frequency : 5~7 Hz
Pulse : 2000 – 3000
Power : 1.5~2.5 Bar



Calcific tendinitis

treatment cycle : 10~14day interval Episode 3~5 Surgery
Transmitter : 20㎜ (titanium)
Frequency : 5~7 Hz
Pulse : 2000 – 3000
Power : 2.5~2.8 Bar

Frozen shoulder

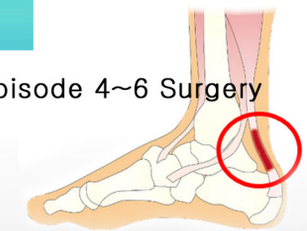
treatment cycle : 10~14day interval Episode 3~5 Surgery
Transmitter : 20㎜ (titanium)
Frequency : 5~7 Hz
Pulse : 2000 – 3000
Power : 2.5~2.8 Bar

Patellar tendonitis

treatment cycle : 10~14day interval Episode 3~5 Surgery
Transmitter : 15㎜ (titanium)
Frequency : 5~7 Hz
Pulse : 2000 – 3000
Power : 1.5~2.5 Bar

Achilles Tendinitis

cycle of treament : 8day interval Episode 4~6 Surgery
Transmitter : 15㎜ (titanium)
Frequency : 6~10 Hz
Pulse : 2000 – 3000
Power : 2.0~2.5 Bar



Radial Applicator Energy!

POWER	Shockwas pressure(bar)		
	F15	R15	R20
1.0	1.0	1.0	1.0
2.0	2.0	2.0	2.0
3.0	3.0	3.0	3.0
4.0	4.0	4.0	4.0
5.0	5.0	5.0	5.0

POWER	Output enerfy density(mJ/㎟)		
	F15	R15	R20
1.0	0.1	1.05	0.05
2.0	0.2	0.3	0.1
3.0	0.3	0.45	0.15
4.0	0.4	0.6	0.2
5.0	0.5	0.7	0.25