

Optimus Pro

Introduction

The Combination Device for Pain Therapy

Radial Shock Wave &

Electro-magnetic Stimulator



REMED
Rehabilitation Medical Company

Appearance of Optimus Pro



REMED
Rehabilitation Medical Company

[Transducer & Gun]



RSWT Strength and Frq.	1~6 bar, 1~21 Hz
Magnetic power and Frq.	3 Tesla, 1~100 Hz
Interface	8" LCD, Touch Screen
Dimension	46*50*99 cm / 76kg

What Optimus Pro is



REMED
Rehabilitation Medical Company

Magnetic

3 Tesla Electro Magnetic Energy penetrating up to 10 cm is essential for musculoskeletal treatment

ESWT

Simple Treatment by stimulating precisely on the musculoskeletal area for short time



Economical Maintenance Cost

Major Clinical Applications



Degenerative Arthritis
Muscle Relaxation
Frozen Shoulder
Spinal Stenosis
Calcific Tendinitis
Pelvic Pain, Joint Pain
Shoulder Pain
Plantar Pain
Acute or Chronic Pain, Sports Injury

RSWT Treatment



Magnetic Field Treatment



Optimus
Treatment?

RSWT
Treatment
(5min
Treatment)

Magnetic
Stimulator
(15min)

Strong Pain
Treatment Effect

Clinical Application of Electro-magnetic Simulator

Large Transducer Application



- Disorders on backbone
Acute/chronic lumbago, Hip gout(sciatica), Spinal bifida, Spondylitis
- Nerve disorders
Damage on a peripheral nerve
- Musculoskeletal disorders
Degenerative arthritis, Rheumatoid arthritis, Cervical pain, Muscle relaxation, Frozen shoulder
- Genitourinary diseases : Prostate pain
- For pain control after the car accident
- For rehabilitation purpose on nerve or muscle after the fracture
- For pain control from muscle atrophy, spasm, ankylosis
- For sport injuries



Advantage of Optimus Pro



REMED
Rehabilitation Medical Company

Optimus Pro

is innovative combination of 3 tesla electro-magnetic stimulator and 6 Bar, 21Hz Pressure method of extracorporeal shockwave therapy.

Powerful Pneumatic Compressor

6Bar, 21Hz
Radial Shock Wave

Optimus Pro

will treat a degenerative disease of the musculoskeletal system by using shock waves and obtain an improvement for the blood vessel.

Optimus Pro

will be high specification deep penetrating combination stimulator for acute and chronic musculoskeletal pain by using a synergy effect of ESWT and deep electromagnetic stimulation therapy.



Shockwave of Optimus pro



REMED
Rehabilitation Medical Company

Feature

- High Power(1~6 Bar), Differentiated Frequency (1~21Hz)
- 8" LCD User Interface (Simple operation, Various Treatment Mode)
- Fine-Tune Output(0.1 Bar)
- Low Noise Pneumatic Compression Device
- Low Maintenance Cost
- Luxurious Design
- Pre-saved 20 Mode for each treatment

Powerful Pneumatic Compressor

*6Bar, 21Hz
Radial Shock Wave*

Article	Specification
Strength	1~6 Bar, 0.1 Bar step
Frequency	1~21Hz
Treatment Mode	M1~M20
Treatment Shot	100~5000, continuous, 100 step
Channel	1 or 2Ch(option)
Applicator	6, 10, 15, 20, 35mm(option)
Interface	8" LCD, Touch Screen, Jog Shuttle
Dimension	467 x 501 x 993mm

How dose Shockwave work?



REMED
Rehabilitation Medical Company

Principle

1. Radial ESWT is the solution for the musculoskeletal system
2. High-End Technical Specification
3. Radial ESWT is the Result Product of 6 years ESWT Research Work

Clinical Application

- * Shoulder Pain (Calcific Tendinitis, Collision Syndrom)
- * Painful Heel Syndrom (Plantar Fasciitis, Achilles Tendinitis)
- * Anconagra
- * Knee Pain
- * Lumbar and Cervical Pain
- * Arthrodynia, Pelvic Pain

Powerful Pneumatic Compressor

*6Bar, 21Hz
Radial Shock Wave*



Effects of Electro-magnetic Stimulator

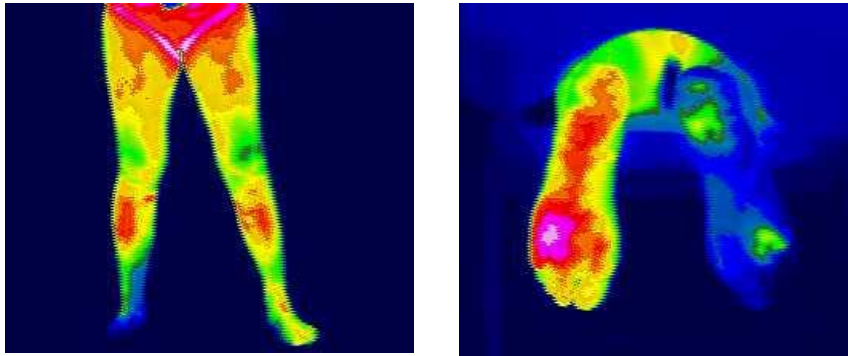


REMED
Rehabilitation Medical Company

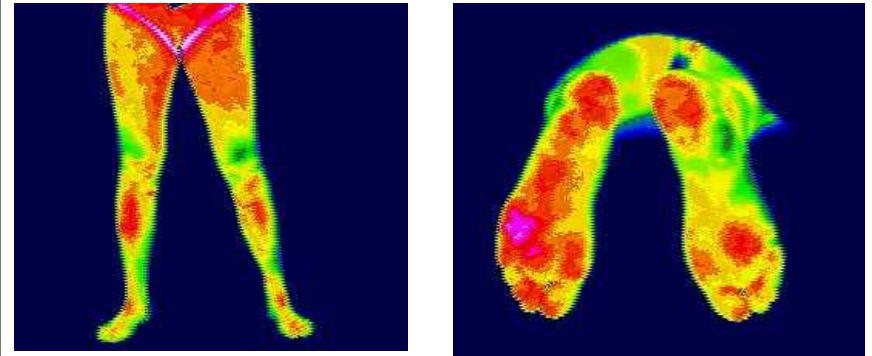
■ L4/5 HNP patient(before)

Right legs & the sole of the right foot

1. : very low temperature



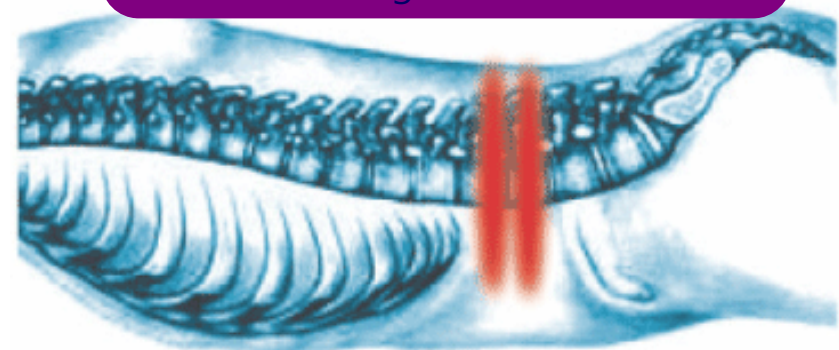
■ after medical treatment



normal pain curer



Electro-magnetic Stimulator



Revenue Study for Optimus Pro

- The Optimus Pro will increase patient satisfaction that means the patient will surely come back for other sessions and will refer family and friends.
- The Optimus Pro is combined machine, having Electromagnetic stimulation and Radial shockwave in one machine will save space and will make it multiple use.
- Low maintenance cost, the Electromagnetic doesn't need any maintenance, the shockwave needs service but with very low cost.
- This table will show a revenue study after purchasing an Optimus Pro (AED):

	Min Expected patients/day	Sessions /Month	Session aprox. Price	Total
Complementary session	67	2,000	350AED	700,000 AED
EMS	50	1,500	180AED	270,000 AED
RSWT	30	900	200AED	180,000 AED

Notice for Electro-magnetic Simulator



REMED
Rehabilitation Medical Company

Please beware below cases

1. A Patient who have a pacemaker.
2. A Pregnant woman.
3. A woman who is on her period.
4. A woman who have a loop. (Only the area, other parts are fine)
5. A Patient who have metal prostheses and/or implants.
6. Do not apply breast and bra-line
7. Please take away a mobile phone and a card with magnetic line.

※ **The vertical mobility part (The arm) may bounce because of the gas spring pressure. Your face must keep more than 50cm away when you separate them.**

