

LavaTRON

RF Diathermy Device

The Most Optimized system to Secure Beauty & Health

Monopolar, Bi-polar, RET RF System

CE
0120

From Controlling Obesity to Relieving Pain

Body
Care

Face

Hair
Care

Pain
Control

▶ Model: LVT-250

SOMETECH
SINCE 1989

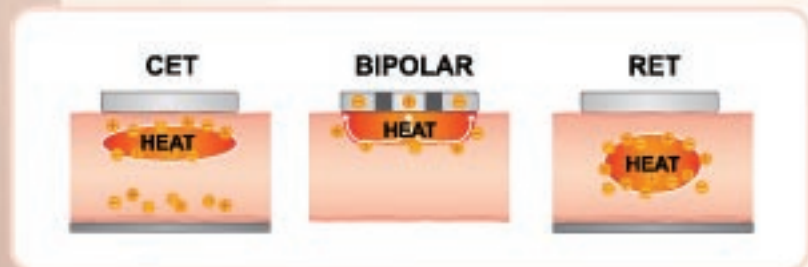
Remarkable

Result with Lavatron's Unique Functions!

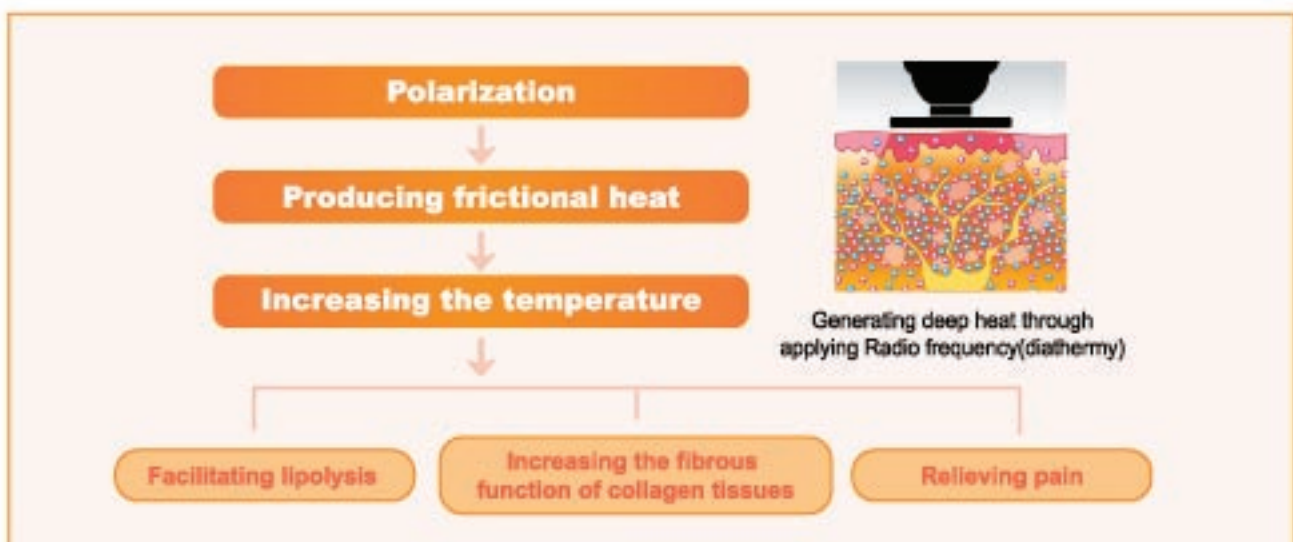


RF Diathermy Device LavaTRON

LavaTRON helps increase the temperature of deep dermis & hypodermis with 3~5cm in depth, improving cellular function, circulation of blood, relief of pain, and enhances the extension of collagen tissues. LavaTRON facilitates the cure of chronic inflammations by using induction heating which refers to a method where high-frequency current applied to a body triggers resistance to convert an electric energy into a thermal energy.



● ● ● Lavatron Stimulation Process in Body ● ● ●



It's the Best Choice!

Maximised RF effect. Patient's safety, User friendly

The Unique Functions of LavaTRON

1 Automatically recognizing electrodes

Since the size of electrodes connected to the main body is automatically recognized to control the current, against such injuries as a burn that could happen due to carelessness in using can be prevented in advance.

Patent : 20 - 397295

2 Automatically controlling the temperature

By using a built-in sensor to automatically control how much current will be conveyed, a user can more safely and conveniently use the product, since the lead electrode measures a change in the temperature of body skin on a real-time basis with comparison of a set temperature(37~47℃)

Patent : 20 - 397295

3 Excellent insulation of lead electrodes

Since there is no spark resulting from a conveyed current by perfectly insulated lead electrodes, patients will have no discomfort for the LavaTRON operation.



● ● ● Electrotherapeutic current & its applications ● ● ●

----- Alternating Current -----

----- Direct Current -----

Low Frequency Current	Medium Frequency Current	Radio Frequency Current	Continuous direct current	Interrupted direct current
<ul style="list-style-type: none"> •Dynamic effects •Pain-relieving •Tissue curing 	<ul style="list-style-type: none"> •Dynamic effects •Pain-relieving 	<ul style="list-style-type: none"> •Lipolysis&softening effect •Increased elasticity of collagen tissues •Increase blood flow around scalp •Pain-relieving 	<ul style="list-style-type: none"> •Electrical stimulation 	<ul style="list-style-type: none"> •Dynamic effects
<ul style="list-style-type: none"> •Electrical Stimulation •Functional electrical stimulation •Transcutaneous Electrical nerve stimulation •Microamperage current nerve stimulation 	<ul style="list-style-type: none"> •Russian current stimulation •Interferential current stimulation 	<ul style="list-style-type: none"> •Radio Frequency Diathermy 	<ul style="list-style-type: none"> •Medical galvanism curing •Iontophoresis curing •Surgical galvanism curing 	<ul style="list-style-type: none"> •Electrical stimulation

Bi-polar, CET ✓

1 Wrinkle removing and Elasticity

When electrode is contacted with skin, Lavatron apply the high frequency which does not stimulate normal tissue and stably increase temperature. This temperature is called as hyperthermia. This one changes the loosed and nonelastic collagen tissues to dense and elasticity tissue.

- ⊙ Applications : Crow's feet / Nasolabial fold / Forehead Lifting / Anti-aging



Hair Electrode ✓

2 Enhancing scalp health

Deep heating helps promotion of blood circulation to supply the scalp with lots of oxygen and nutrients, and sprout hairs, preventing them from falling out through a stimulation and sterilization of their roots via a thermal effect.

- ⊙ Applications : Hair loss prevention / Hair growth / Alopecia areata / Seborrheic scalp care



- ⊙ A Change in Collagen after an Lavatron treatment



Loosed and nonelastic collagen structure before the operation



Dense/Recombined structure after Lavatron operation

We make an effort ...

... for your beautiful life

3 Lifting & Fat removing

Many studies proves that radio frequency energy increase the blood stream in fat cell and accelerate the lipometabolism. LVT-250 maximize the delivery power of radio frequency energy in body using our know how of Radio frequency.

RET, CET ✓



⊙ Applications : Abdominal fat care / Leg silhouette care / Hip silhouette care / Body contouring

4 Relieving Pain

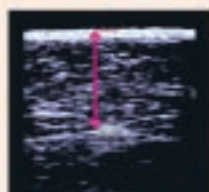
Deliver radio frequency on musculoskeletal system and increase the blood stream and activate the metabolism so induce the effective pain relief.

RET, CET ✓
BIO-Thermal Stone ✓

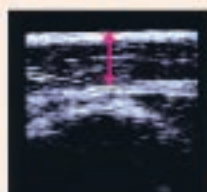


⊙ Applications : Shoulder pain/ Lumbar pain/ Knee pain

► Subcutaneous Fat thickness



Before 30mm



After 20mm

► Waist



Before 84mm



After 78mm

Main features of Lavatron

Self control of output power

Such a burn as could arise from carelessness can be prevented in advance by displaying the temperature of skin upon its contact with the lead electrode on the screen to self-control and maintain the temperature set in advance. Maximized effect can be guaranteed.

Impedance Monitoring

A measurement of impedance variations shown depending on the location or contact area of patient plate, or a patient's physical constitution under Auto Mode aims at the most optimal output for such impedance to maximize the effect of using the product.



Impedance
Power



Impedance
Power

Monitoring a change in temperature

Under Auto Mode, temperature change are monitored in accordance with skin contact per second. Real time temperature is monitored. Output power is automatically controlled to reach to the target temperature in a short time and then maintain target temperature.

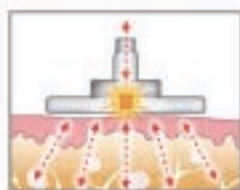
Real Temperature

=

Target Temperature

Temperature monitoring (Manual Mode)

Since the built-in sensor on the surface of lead electrodes is used to measure and display the temperature of skin upon contact, a user can manually adjust the output power.



Automatic operation stopped by Timer setting

Upon the operation time reach to the pre-set time limits, Lavatron automatically stops to avoid its unnecessary uses. And also user can stop or start it anytime while using.



Variety of applications

Using various size electrode from 20mm to 100mm and optional electrode like hair electrode, Lavatron can be usable for various applications.

Accessories of LavaTRON



+ Electrodes

CET, RET, Bi-polar

Rub roundly on the treatment area to transfer the high frequency current into body.

BIO-Thermal Stone(60mm X 4)

BIO-Thermal Stone: Without rubbing by operator, it can be works for pain relief and muscle relaxation like stone therapy. It made with ceramic so it generates RF and Far Infrared lasers.

+ Patient Bar

Same function with patient plate. Patient need to grab it with one hand instead of contact with patient plate. (Back, Abdomen, Thigh, Sole of foot) pressing it on hair scalp.

+ Patient Plate (Stainless steel)

Place it on body to flow the high frequency current into body along with the electrode. Contact it with the wide part of body and place it as closely to the electrode as possible.

+ Hand Switch

Same function with Start/Stop button. Patient grab this during operation and press the button when temperature is too hot to endure.

+ Hair Electrode (Optional)

Evenly supply RF on the hair scalp in between of hair with 24 pcs of teeth and it cover wide part of head with the 70mm electrode. It can give the finger pressure massage effect by pressing it on hair scalp.

+ LavaTRON Creams

LavaTRON creams refer to specialized cream which are used depending on what areas of the body to apply the product to for not only maximizing its effectiveness but also giving a soft feeling to comfort the patient.



(500ml)

>> High-frequency body cream

High-frequency body cream includes caffeine which concerns lipolysis that helps control obesity and body shape, natural aloe liquid to reinforce moisture in the skin and activate metabolism.



(500ml)

>> High-frequency facial cream

High-frequency facial cream includes retinol and adenosine to increase the elasticity of collagen tissues for removing wrinkles, and natural aloe liquid to reinforce moisture in the skin.

Specification

ITEM	DESCRIPTION
Main Power	100~240V~, 50~60Hz Auto selectable
Main Metroscopic Frequency	470Hz \pm 10% Sine wave
Maximum Output Frequency	Maximum 250W \pm 10%
Frequency Output Time	1~30min, Time step:1min
Output Type	Auto adjustable and Manual adjustable
Temperature Ajust	Auto : 37 $^{\circ}$ C ~47 $^{\circ}$ C (0.5 $^{\circ}$ C Step)
Manual Mode	1%~100%, Power intensity step : 1%
Display	320 x 240 Backlight mono graphic LCD
Safety Class and Type	Class 1, BF Type
Diamention	363 x 380 x 179mm(W x D x H)
Weight	10kg
Active Electrodes	CET : \varnothing 20mm, \varnothing 30mm, \varnothing 80mm, \varnothing 100mm
	RET : 60mm / Bipolar :30mm / Option : Hair Electrode
	BIO-Thermal Stone : 60mm X 4



RF Diathermy Device



SOMETECH Inc.

2F, ByuckSan Digital Valley III, 212-13, Guro-Dong, Guro-Gu, Seoul 152-050, Korea
 TEL : +82-2-2025-1000(Rep.) FAX : +82-2-2025-1009

www.sometech.com