
Operation Manual of the RF Thermage Equipement

Remage/Thermage



Preface

Distinguished users:

Thank you for selecting LINUO Beauty's newest launched product—Remage. It is a kind of professional, safe and reliable treatment equipment specialized in refirming, wrinkle removal, shaping and lifting. Its concept is the same with thermacool, it applies to the skin by forms of lattice and matrix, and by control of high technology it could solve the problem of skin age more accurately, more comfortably and deeperly. The equipment -- Remage, should be operated by staff with professional training, improper use may cause undesirable effects to the human body. So, it is hoped that the operator can read the Manual thoroughly before operating the equipment, and strictly follow the guidance in the Manual. We believe that Meno Beauty's quality products will bring you good effects and results, and our impeccable after-sales service will present worry-free feelings to you.

Thank you!

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Equipment Introduction

1. Overview of the equipment

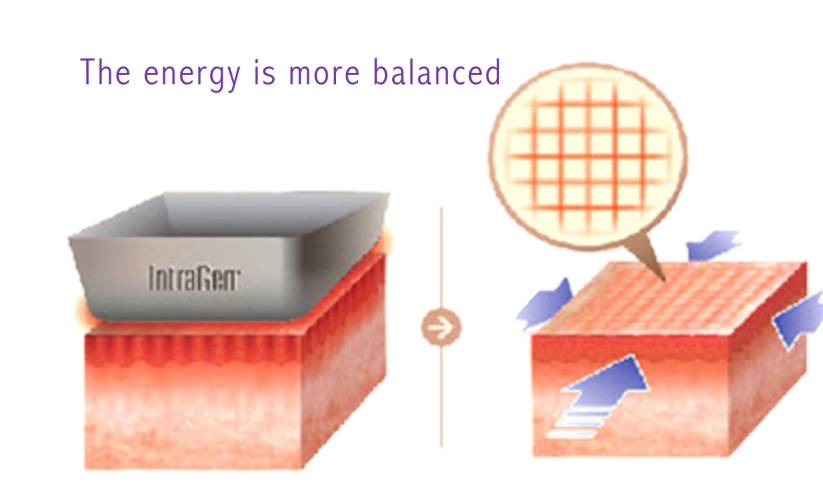
The advantages of the past RF equipments are introduced into the design of Ramage, and being controlled by high-tech, it delivers energy to the bottom layer of the skin by multipolar RF in frequency of 1~2 million Hz, and it generate heat effect with reticular fiber up to 75° C, thus it can solve the problem about skin age more accurately, comfortably and deeperly, by closer contact with the skin, it revitalizes and tightens the skin, thus achieves the desired effect of preserving youth and remaining young. Invasive treatment has the advantage of immediate effect and remarkable results, and the advantage of non-invasive treatment lies in its less side effect and shorter recovery time, the lattice RF combines the advantage of both treatments. Via treatment probe with patent design, Ramage can rapidly activate the newborn and reconstruction of collagen, it can comprehensively smooth all kinds of skin wrinkles, recover the reticular formation of the skin and it can promote metabolism of the skin, thus achieves the results of removing wrinkles, lifting, refreshing and whitening the skin, as well as the results of repairing blain scar and stretch marks.

2. Principle of the equipment

Lattice RF Technology

- Applying multi-groups of parallel matrix on the treatment head with patent design to the epidermis to form aperture in micro, then reticular energy formed on the epidermis shall be delivered to deeper skin , the grid realizes the effect of balanced distribution of sectional RF energy on the surface of the skin, and avoids local burn of the skin caused by unbalanced energy. The energy is in high desity and with powerful penetration, it delivers the RF current to deeper skin through the micron aperture, and delivers the highfrequency electric wave of the energy from the probe to the skin to cause the contraction effect of collagen and activate the renewal and reconstruction. And the Ramage can achieve the effects of comprehensive improvement of different skin problems, solving the problem of bulky pore, coarse lacklustre, sagging, fine lines and other aging problems, and after the treatment the skin is just like newly born.

- When the RF electric takes effect on the skin tissue, it causes uniform heating to the fat, the fat tissue will be softened, shrunk and decomposed after absorbing energy, thus the effect of dissolving fat and shaping could be achieved.
- The energy can be divided into grades from 1 to 20, treatment is conducted with different specifications of needleless probes to achieve optimum results. In addition, it is customized for the treatment to the face and abdomen, and small probe is configured for the consideration of the sensitive and weak skin around eyes. The probe will not cause harm to the eye, and it can play the best treatment results more safely.

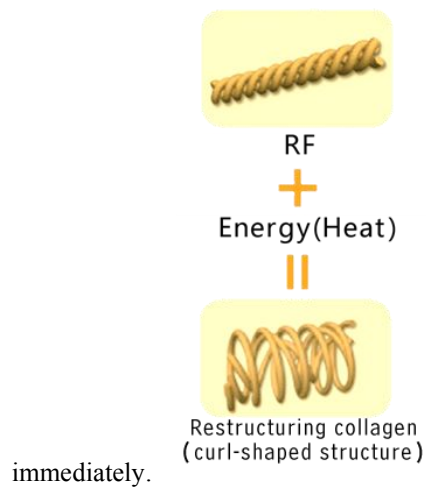


Skin refirming by RF has history of more than one decade, it is a good assistant of the doctor and the beauty field, with numerous customers of its treatment, and definitely with guaranteed results. Everyone has different degrees of resistance in their bodies, the same energy imposed to different treatment recipients, it will cause different effects, if the recipient of treatment has higher resistance inside the body, then it's not easy for the flow of the current, and will greatly reduce the effects of the treatment.

The equipment has been matched with intelligent resistance sensor function which will sense the degree of the resistance in the body of the treatment recipient before distributing the energy, thus adjust the energy according to the data, and it will actually heat up only after calculating the resistance, so appropriate energy could be precisely released on the bottom layer of the skin. Please make sure the energy is distributed consistently and uniformly to avoid the problem of too big or too small energy, in case of burns or reduced effects.

RF + Energy(Heat)=restructuring collagen (curl-shaped structure)

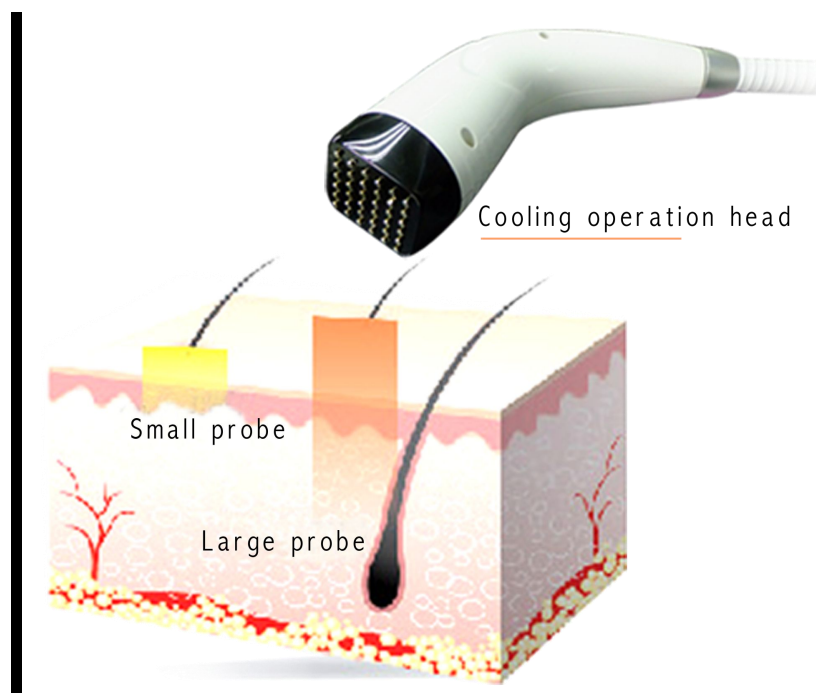
Slowly heat it to proper temperature, make the intramolecular hydrogen bond fracture, and tightens the skin tissue



The combination of collagen albumen gland will make the whole structure more stable and more tightening, and will strengthen collagen, thus make the skin more shapely and more taut.

Cooling and freezing Tech

It converts electrical energy into the cooling source through high-tech semiconductor technology, by using cold and heat dual prosthetics the cooling source then shall go beneath the skin in the form of pixels, Through ice cold source, using the lattice of cold and hot double repair in into the skin, which can adjust the temperature of the skin, balance various functions of the skin, improve immunity of the skin, calm the skin, thus effectively work wonders for the skin and shrink pores. In this way, the skin shall be more elastic, smooth, soft and moist.



3. Technological advantage of the equipment

- (1) It is highly effective, as more plentiful of the lattice RF energy can reach the derma, which will stimulate the restructuring of the collagen, firming the skin and smoothing wrinkles. Following the treatment, there will be high satisfaction.
- (2) The effect is lasting. Usually, after the treatment, new subcutaneous collagen will be continuously produced, so the skin will improve every day. And the results will be more significant with 4 to 6 months' period, satisfactory effect, but no worry for "bounce back".
- (3) It is more safe. More adequate of energy from the lattice RF system shall reach the subcutaneous tissue, and the skin wound on the surface is very small, so the effective results is satisfactory with high safety than other non-invasive treatment.
- (4) Five personalized operation probes which can be applied to the face and body for the operation, and it can achieve effect similar to effect of surgery. No surgery, no pain, no side effect and no complications.
- (5) It is easy to operate, or should we say user-friendly -- intelligent touch-screen interface, we can set the operation parameters according to different course demands
- (6) Specially designed operation handle, adjustable operation of cold-and-hot dual prosthesis, all these make the effect more obvious, durable, and comfortable.
- (7) Intelligent resistance sensing, multiple options of modes, accurate output of energy, more precise deep, safe and controllable to the treatment area and parts.

4. Treatment results of the equipment.

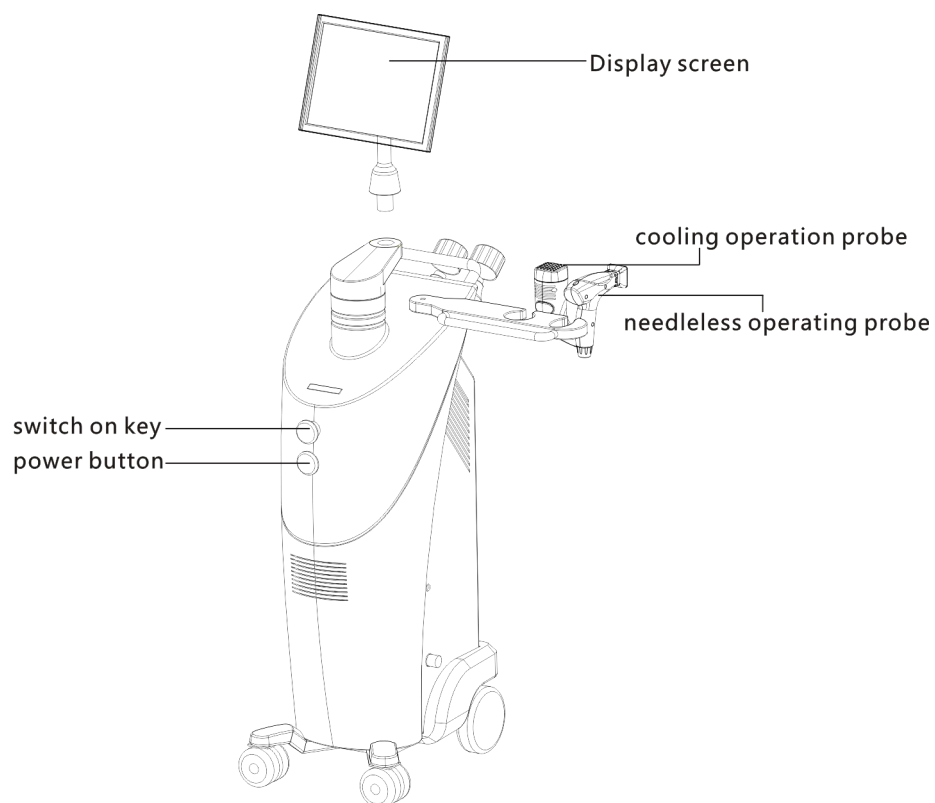
- 1). Anti-wrinkle, firming the skin, improve pseudo wrinkles, dissolving fat, shaping and lifting.
- 2). Rapidly improve the dull and lusterless symptom, enhance dry skin and sallow complexions, brighten the skin and make it more tender.
- 3). Actively promote facial lymph circulation, solve the problem of skin edema
- 4). Lifting and tightening the skin, effectively solving the problem of facial sagging, shaping delicate face, repairing stretch marks.
- 5). Removing black rim of the eye, eye bags and wrinkles around the eye
- 6). Shrinking the pores, repairing blain scar, calming skin

5. Technical parameters of the equipment


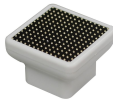



1.	Power of Machine	100-200W
2.	Power of Thermage cool handle	3-30W
3.	Powe of RF handle	100-200W
4.	RF Heat Tempture	40~70° C
5.	Thermage cool Tempture	6~20 ° C
6.	Number of changeable Tip	6 pcs(5 RF tips and 1 thermagecool tip)
7.	Skin deep of treatment	less than 5mm
8.	Bipolar RF freuency of Fractional thermage	1-2Mhz
9.	spot size	2.5*2.5mm ²
10.	Model type	PWM
11.	Control of Plus time	0.1~9.9S
12.	Needle Depth	0.1-0.2mm
13.	Working program	3 max program
14.	Fuse	3A
15.	cool system	Semiconductor water cycle refrigeration system
16.	Screen	12 inch colour touch screen
17.	liquid type	put remagecool liquid on skin before you use the machine
18.	The heat cold and are delivered simultaneously	yes
19.	clean the probes and tips	after operation,you can use clean clothes and soft tissue.
20.	Working voltage	AC100V-230V Operating frequency: 50Hz/60Hz
21.	Size of the equipment	450mm x 320mm x 1100mm (LxWxH)
22.	Net weight	30KG



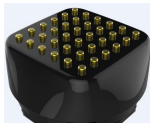
Use of the equipment

1.Name of each parts of the equipment



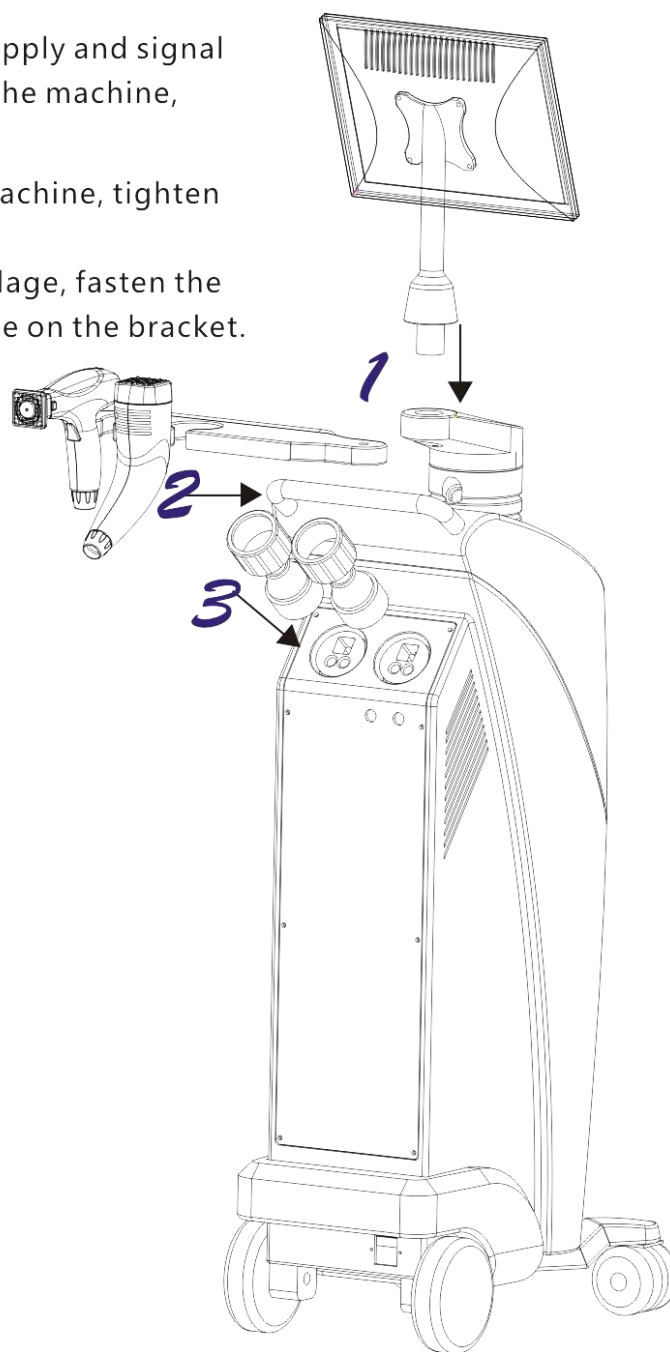
(1). The equipment has 6 treatment handles with different functions, as following:

Name of the handle	Picture of the function head	Serviceable parts
		Cheeks and body
		Neck, cheeks and forehead
		Neck, cheeks and forehead
		Nasolabial fold, forehead wrinkles

		Eye skin
Cooling handle 		Cheeks, neck and body

2. Installation of the equipment

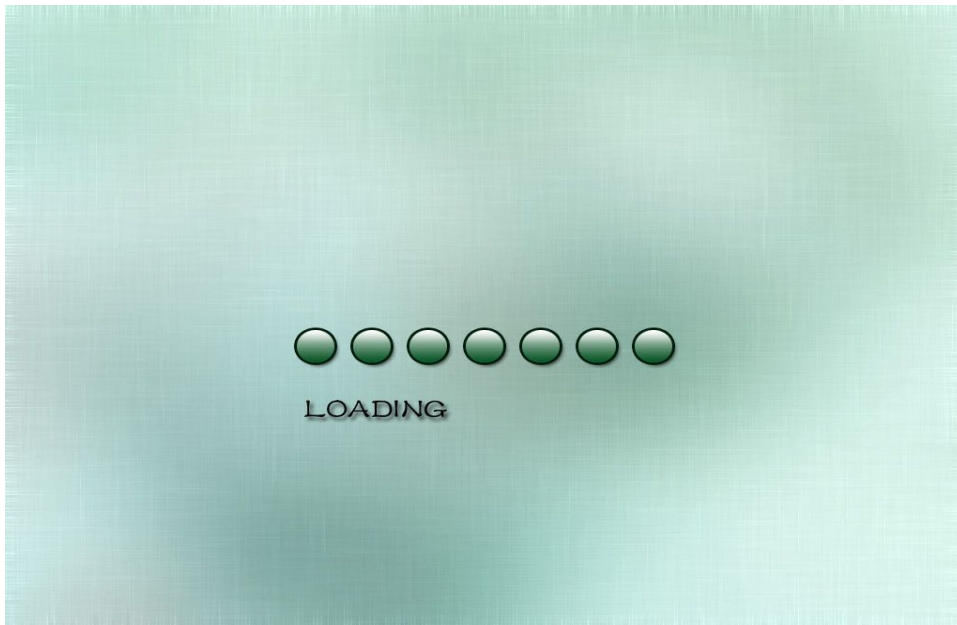
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- 1 Firstly, connect the power supply and signal cables line of the display to the machine, properly install the display.
 - 2 Insert the bracket into the machine, tighten the bolts.
 - 3 Insert the handle to the fuselage, fasten the lock ring and hang the handle on the bracket.



3. Description of the interfaces

(1) Start

Check whether the equipment is well connected, if so switch on the power, and enter into the following initial interface (see Picture 1), the launcher bar runs, and the equipment is starting and loading;



Picture 1

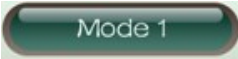
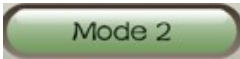
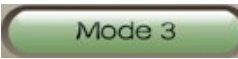
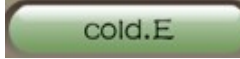
(2) Selection of standby and modes system

After the startup, it appears the standby interface (see Picture 2)



Picture 2

After the startup, it appears the standby interface, please select the operation system according to your needs.

 Mode 1	(Automatic control mode)	 Mode 2	(Pulse control mode)
 Mode 3	(Intellectual control mode)	 cold.E	(Cooling Mode)

(3). Option of function Modes

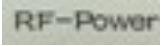
Mode 1 (See Picture 3)




Picture 3

Detailed description of basic functions of the buttons on the interface

On the function interface, we can click the function options to adjust the parameter according to the treatment requirements. Different operation probes will be used according to the selection of treatment. The sign in red means selected probe.

A.  RF energy, Range:1-20J. Adjust to the optimal operation parameter according to the customer's endurance.

B.  Total operating time: 60 Minutes.

C.  Start Key D.  Stop button E.  Back

F. Display of operation heads A/B/C/D/E

Mode 2 (See Picture 4)




Picture 4

Detailed description of basic functions of the buttons on the interface

On the function interface, we can click the function options to adjust the parameter according to the treatment requirements. Different operation probes will be used according to the selection of treatment. The sign in red means selected probe.

A. **RF-Power** RF power, Range:1J-20J. RF energy, Range:1-20J. Adjust to the optimal operation parameter according to the customer's endurance.

Pulse Time The pulse time is measured in seconds, range: 0.1S-9.9S. It is calculated from the start of RF to the end of output of RF. Adjust to the optimal operation parameter according to the customer's endurance.

C.  Total operating time: 60 Minutes.

D.  Start Key E.  Stop button F.  Back

G. Display of operation heads of A/B/C/D/E

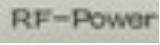
Mode 3 (See Picture 5)

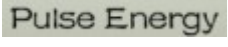



Picture 5

Detailed description of basic functions of the buttons on the interface

On the function interface, we can click the function options to adjust the parameter according to the treatment requirements. Different operation probes will be used according to the selection of treatment. The sign in red means selected probe.

A.  RF power, Range:1J-20J. Adjust to the optimal operation parameter according to the customer's endurance.

B.  Pulse energy, range: 1J – 99J. Adjust to the optimal operation parameter according to the customer's endurance

C.  Total operating time: 60 Minutes.

D.  Start Key E.  Stop button F.  Back

G. Display of operation heads of A/B/C/D/E

Mode 4 (as Picture 6)




Picture 6

Detailed description of basic functions of the buttons on the interface

On the function interface, we can click the function options to adjust the parameter according to the treatment requirements.


A. **RF-Power** RF power, Range:1J-20J. Adjust to the optimal operation parameter according to the customer's endurance.

B. **Cool-Power** Cool power, Range:1J-10J. Adjust to the optimal operation parameter according to the customer's endurance.

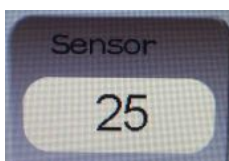
C.  Total operating time: 60 Minutes.

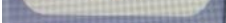
D.  Start Key

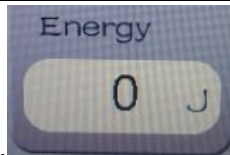
E.  Stop button

F.  Back

Description of other auxiliary icons



A.  IR Signature, intelligent sensing, which is important basis for the computer calculation of RF output energy



B. value of each output of energy



C. hand key, lattice handle, applicable for operation probe A/B/C/D/E



D. cool-hand, applicable for cooling probe



E. RF energy signal



F. schematic plot of the heat or temperature of the skin



G. water level



H. water pump



I. water circulate



J. Indication of ID Number

4. Operation steps of the equipment

-
- (1) Before use, clean the parts which will be used.
 - (2) Apply products (products with good electrical conductivity, such as recovery gel) evenly to the operation parts, and keep the parts with enough moisture to ensure good conductivity.
 - (3) Before operating the equipment, please select the corresponding operation probe according to the position that will take the treatment, set the operating parameters, and it's better to adjust the energy gradually from low to high degree till it satisfies the range the customer could endure.
 - (4) During the operation process, adjust the energy output and ask the customer about the comfort degree from time to time to ensure the customer could enjoy it with pleasure.
 - (5) Each operation should be performed within the stipulated time, longer time shall not make the effect better, but will cause fatigue to cells.

5. Reference for the setting of treatment course(s)

Treatment: (1) Remove wrinkle (rapidly eliminate pseudo wrinkles and smooth authentic wrinkles)

- (2) Lifting and tightening the skin (modify the facial outlines, sculpture the facial contours)
- (3) Refine skin pores
- (4) Repair scars
- (5) Acne holes
- (6) Skillfully remove stretch marks

6. Precautions and maintenance

- (1) Each time after use, please wash it with clean water and preserved properly.
- (2) Before use, applying plug with grounding pins, and make sure the power supply socket of the equipment is actually grounded
- (3) Ensure that the voltage for the equipment is adapted, if the local power supply voltage is not stable, we recommend users to add stable power supply of matching power between utility power and the equipment.
- (4) To achieve the treatment effects and guarantee the normal service life, please use accessories supplied by the original manufacturers or those designated accessories recommended by them.

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- (5) Do not put the equipment in humid environment or on place near the water source, also do not directly expose the equipment in sunlight.
 - (6) Do not put the equipment near intense heat source, as it may affect the service life and normal performance of the equipment.
 - (7) Before the treatment, please take off all the metal objects, lest any unpredictable situation which may affect the treatment effects.
 - (8) Do not apply it to the parts such as: eyes, thyroid, para-thyroids, testicular, belly of pregnant women, and parts around generator of atrial pulse ect.
 - (9) Only get the permission of the doctor should the patients use the equipment, and be with more prudence.
 - (10) When the equipment is not in use, please switch off the power, and make sure the general power is turned off, and make sure the safety of the electricity products.
 - (11) Use the equipment or training the operators strictly comply with instructions in the Manual.

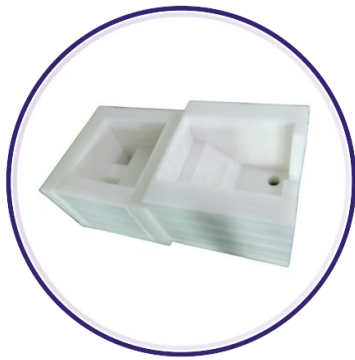
7. Taboos for users

If have the following symptoms or situations, then the users should be more prudent when use the equipment, and should consult a doctor or consult the professional for advice, details as following:

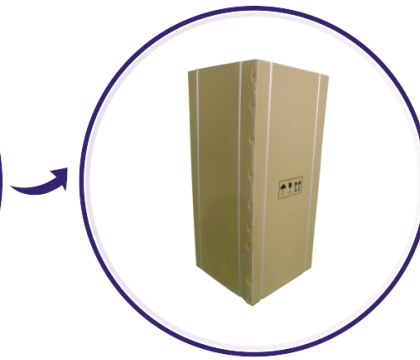
- 1) Pregnant or breastfeeding women
- 2) Heart disease or equipped with heart pacemakers
- 3) There's stuffing inside the skin
- 4) Large area of skin is allergic or patients with a large area of acnes
- 5) Patients who has surgical wounds haven't healed
- 6) Epilepsy patients, and patients with serious hyperthyroidism and diabetes
- 7) Patients with malignant tumor, serious bleeding or hemophilia patients
- 8) Use with cautions in case of skin disease and infectious diseases
- 9) Serious Telangiectasis (treatment could be applied to other parts)
- 10) Patients with hyperthyroidism, asthma patients, and hypertensive patients.

8. Introduction of the outer packing and unpacking

Introduction of the outer packing



The first layer of the outer packing: EPE



The second layer of the outer packing: carton with puncture



Wooden case can be used in air freight and in long-distance transportation

Remove the outer packing

Method to dismount the wooden case



the wooden case could be dismantled from the top, we recommend to dismount it from the bottom and take the equipment out from the top of the case.



locked latch unclenched latch

unclench the buckle and then the corresponding board.

Unpacking of carton



The first step: cut the puncture with scissor

The second step: draw it out from the top

9.Common failure and problems

- 1). If there's no output of energy, check whether the connection between the probe and the

machine is loose.

2). If the equipment is normal, but the keys/buttons are out of order, please check whether the power is in bad contact.

3). No signs displayed on the interface, please check whether the the power plug is well connected, or whether the it is switched on.

4). If there's tingling sensation on the contact position, it may due to breakage on the parts of the probe which contacts the skin, the customer's skin is too dry to be conductive, or poor contact of the assessories with the skin, to avoid these, please apply matched products to the customer's skin and keep the skin moist and keep away from abraded skin.

10. Repairing and maintenance of the equipment.

1) Moisture-proof

Keep off moist environment or places with direct sunlight or flammable and explosive items, to prevent accidents.

2)Cleaning

Keep the surface of the equipment clean, put a piece of flannelette or gauze on it to prevent dust. For the probe, clean it once used, disposable products should not be reused. Use dry cloth or twisted we cloth to wipe the equipment when cleaning, and then disinfect it with alcohol. Always keep in mind that the operation handle should be dry.

3) Corrosion prevention

Combined and corresponding products must be used in accordance with the relevant requirement, in order to prevent the power fuse broken, all wire accessories are not allowed to be pulled or twisted, and prevent water get into the equipment, and it's forbidden to open the fittings freely.