

**Ultrasonic Cavitation+RF+Vacuum
Slimming system**



Catalogue

1. Product Introduction	3
1.1 Product features.....	3
1.2 Technical specification	5
1.3 Product structure.....	6
2. Installation and use	8
2.1 Parts installation and use.....	8
2.2 Power on	8
2.3 How to use	8
2.4 Course of Treatment.....	13
2.5 Operation method.....	14
3. Warning	17
3.1 Main unit	17
3.2 Handle.....	18
3.3 Touch screen.....	18
4. Maintenance and Repair.....	19
5. Warranty	20
6. Contact Us	21

Please Read this user manual indispensable before use ! !

1. Product introduction

1.1 Product features

1.1.1 Cavitation slimming system is a novel, non-surgical, non-invasive, painless, safe and efficient beauty equipment. It is a multi-function set adopts the Israel hole blasting fat technology, RF technology and vacuum technology, at the same time have a 40K strong sound wave system, and the strong sound waves can produce a liquid implosion effect, which is the wave of expansion and compression then make the liquid in the formation of a large number of micro-voids, these voids are gases and steam, With the compression cycle, the strong sound wave cause pressure effects for liquid molecules, and in the expansion cycle, resulting in negative pressure effect.

In fact, inside the liquid or biological tissues exist a cohesive, in the low density of fat cells, molecular bonding will be weak, and the strong sound waves can generate a low negative pressure which can produce organizational gap that in physics known as "hole phenomenon."

The direct affects of implosion which micro-gap inside and outside the Cells results in enhancing the molecular motion, so as to achieve a high energy level, eventually lead to the breakdown of fat cells.

Mono-polar and tri-polar RF system, not only effect of the skin but also the subcutaneous fat, so it can be widely applied to the face, neck wrinkle removal and tighten, as well as other parts of the body to lose weight, improve the orange peel-like skin, postpartum abdominal tightening and so on.

It is the radio frequency heat energy through the epidermal and stimulate the epidermal deep tissue, make the subcutaneous tissue produce immediate tighten the collagen fibers and regeneration. The skin becomes plump smooth again, restore the original flexibility, while the heat effect, can enhance blood circulation, improve microcirculation and inhibit sebaceous gland produce, which results in eliminating wrinkles, shrinking pores, tighten skin, removal Acne.

While the vacuum system was first used in medicine to cured scars, liposuction post-operative recovery, as the technology development, and then someone found that the

deep massage is equivalent to a passive aerobic exercise, it has unique effect of expulsion of toxin in the body and improves the orange peel tissue

1.1.2 The instrument is equipped with four hand-held probes, which can accordance to the different parts of the treatment needs to select the proper size and treatment system.

1.1.3 This unit adopts intelligent control, touch screen operation system, visual interface with simple and safe operation characteristics.

1.1.4 This unit use continuous output mode, which accordance with acting on the human body parts and operational methods for enhancing operation. Energy output is divided into 50 files, I ~ 50 files of energy from low to high, according to the needs of physical therapy choose to use a different stall; acting on the body's energy value range is from 1J to 50J, when in operation, users can accord to the patient's capacity to adjust the energy, increase or decrease in volume of 1J. The working hours are dynamic countdown display; Each program is sorted, refined, and processed by the highly experienced physicians, which based on several years of clinical nursing experience, and combined with the scientific theory of human life. And then be abstracted into a certain law of mathematical functions, and process by computer.

1.1.5 For the convenience of users, we design interactive interface with automatic countdown and remind function.

1.1.6 This unit use SCM control and LCD display,

The main components pick large scale integrated circuits, clear vision and high reliability. The strong sound wave system uses the best 40K ultrasonic frequency for body shaping, this frequency can be effective for treat stubborn cellulite and orange peel fat, which use sound waves of the cavity effect, acting on the fat group and break them down and then absorbed by lymphatic system. RF system uses 600 KHz RF frequency, which can make cells produced a strong resonance of water molecules rotate and produce heat by the friction. Thereby heat up to the collagen and fat cells for the purpose of heating. Vacuum system uses adjustable pulse control, and thus can be able to mimic the effects of high-level massage doctor

1.1.7 This unit use modular design and has clear structure ensure the user easy to install and maintain.

1.2 Main technical Specification

TFT LCD Display	8 inch true color touch screen
Technology	Cavitation+Vacuum+(Monopolar RF+Tripolar RF)
Cavitation frequency	40KHz
Cavitation Max Power	100W
Tripolar RF	1MHz (output frequency), 50Watts (Maximum output power)
Monopolar RF	1MHz (output frequency), 50J (Maximum output power)
Vacuum Pressure	1000kpa
Handpieces	5 pieces 1. Monopolar RF head 2. Tripolar RF head (one big, one small) 3. Ultrasonic cavitation head 4. Vacuum liposuction head
Voltage	220±10V AC/110±10V AC 50/60Hz
Size	40cm×35cm×40cm(L×W×H)
Weight	15KG

1.3 Product structure

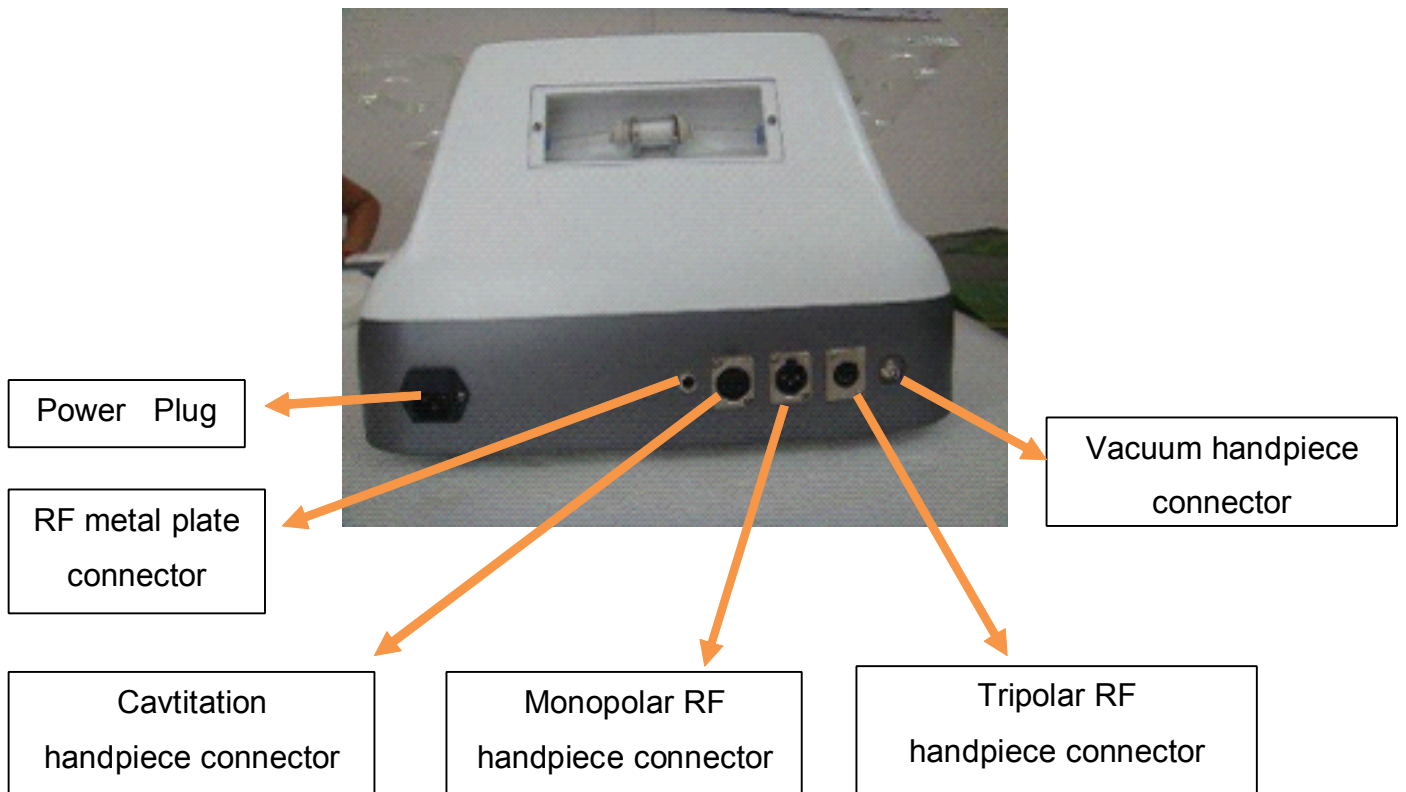
1.3.1 This unit main include: main unit, handle (contain Probes) and Cable.



Key switch

Emergency stop switch

Back view of the machine



Power Plug

RF metal plate
connector

Cavitation
handpiece connector

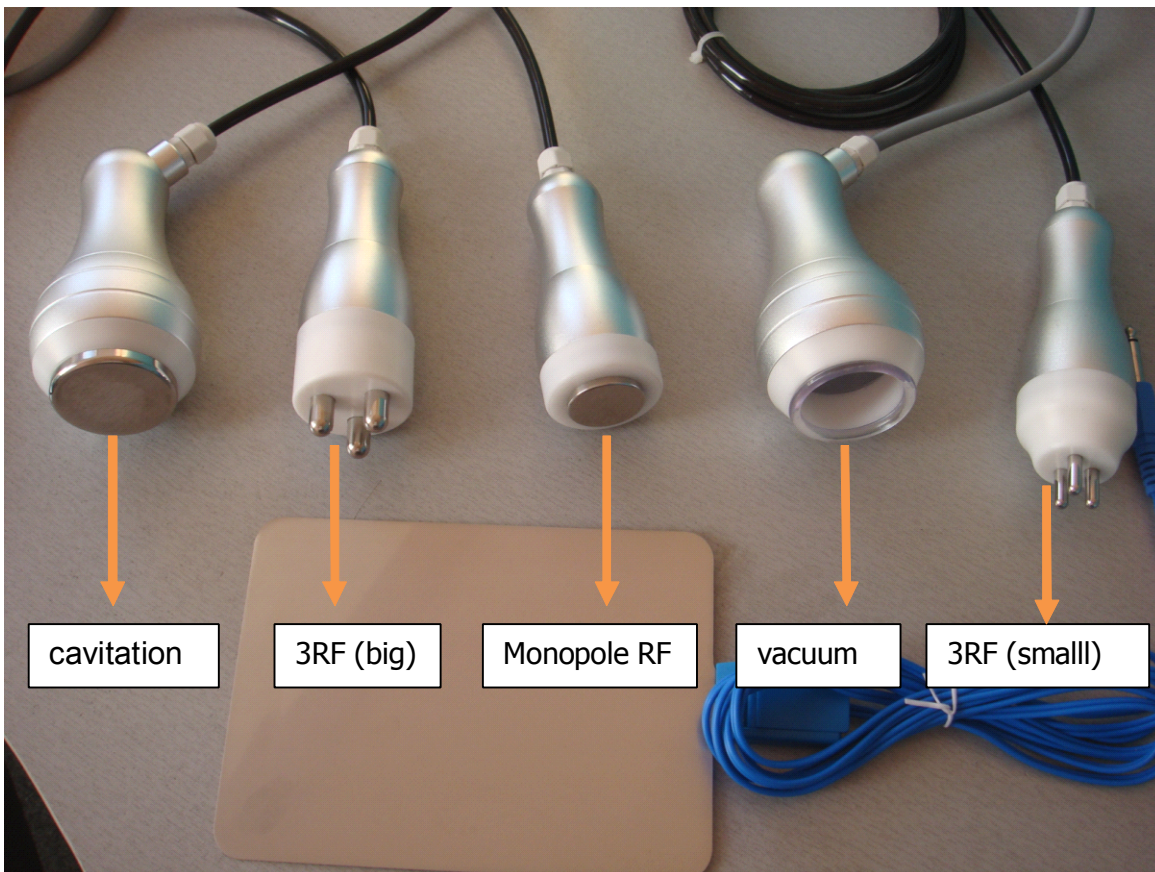
Monopolar RF
handpiece connector

Tripolar RF
handpiece connector

Vacuum handpiece
connector

1.3.2 The probe is divided into four kinds , see below table.

Probe number	Probe size	Main acting parts
1#cavitation	φ50	Limbs ,abdomen and buttock
2#vacuum	φ50	All body parts
3#3RF (big)	φ50	bigger parts of body
4#3RF (small)	φ35	small parts of body
5# monopole RF	φ35	Bigger parts of body



2 . Installation and use

2.1 Installation and use

2.1.1 Plug the power line into the power and unit.

2.1.2 According the different needs, you could change the probe to the other from the back of the connection.

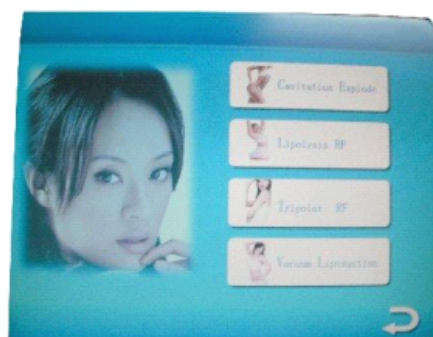
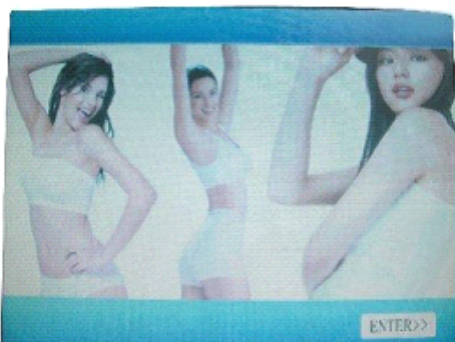
2.1.3 During the Operation, the probe head must be close to the skin, press the default settings of the parameters from the minimum to begin, and then adjust based on individual level to gradually increase the role of energy and time.

2.2 Power on

For security check, please turn the power orderly; firstly, make sure the 3-pin power outlet you provide is good and reliable. Secondly, make sure the instrument's power plug and power outlet solidly contact. Finally, ensure the two prerequisite conditions are correct, please turn on the switch behind the unit. Then turn on the power key. The host will be powered on and go into the user interface.

2.3 How to use

After choosing the language, go to the main menu system interface, as below figure shows:



1) Cavitation explode



1. Put some cooling gel onto the skin before the treatment (such as: the abdomen, buttocks and etc), it is more easily for the operator to move the probe over again.
2. Set working hours (about 10 to 15minutes), adjust the output intensity (5w/cm² ~ 25w/cm²)
3. Press "Start" button, the machine will start to work,
4. Grip the treatment head and make it touch the skin closely ,and make slow circular motion or a straight line movement. DO NOT put the treatment in one place.
5. CAN NOT be used for the back of body.
6. The machine will stop automatically after the setting time is over.

2) Monopolar rf for dissolving fat cell (lipolysis RF)

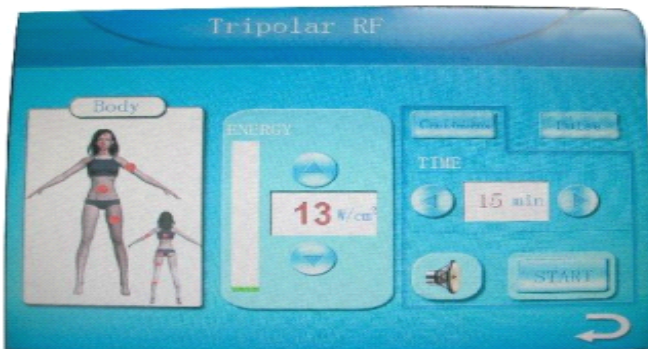


1. Select pulse or continuous mode, adjust the output intensity (10J/cm ~ 30J/cm), set the working hours (about 15minutes).
2. Press "Start" button, machine start to work. Grip the treatment head to touch the skin closely, and make slow circular motion or a straight movement, don't stop the treatment in one place if choosing continuous mode.
3. The machine will stop automatically after the setting time is over
4. Clean skin and treatment head with hot towel

PS "T" mean the output energy time (recommendation from 1-2).

"D" means the pulse interval (0.5-1)

- 3) Tripolar RF skin tightening (abdomen, buttocks, thigh, face etc)

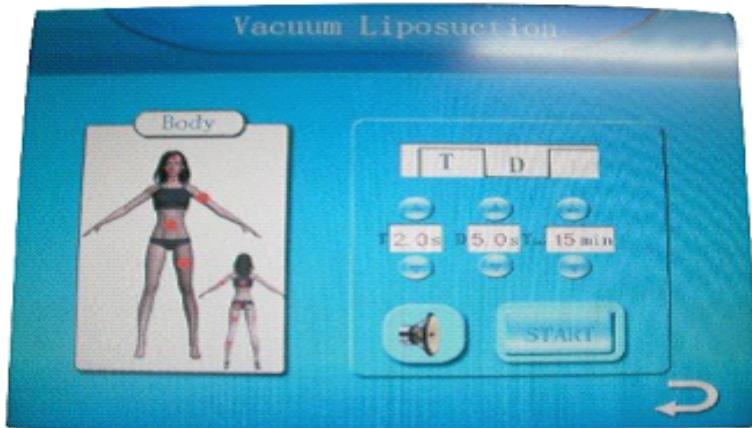


1. Please put about 3mm cooling gel on the skin before operation , according to different face or body treatment. choose small or big tripolar treatment head,
2. According to different work mode, the machine can be set up for 10 working models ,All of them are pulsed or continuous wave output mode, adjust the output intensity (10J/cm² ~ 30J/cm²) ,set the working hours (about 15 minutes)
3. Press "Start", machine starts to work
4. The machine will stop automatically after the setting time is over
5. Clean skin and treatment head with hot towel

PS: "T" mean the output energy time (recommendation from 1-2).

"D" means the pulse interval (0.5-1)

4) Vacuum liposuction system:



1. Put some essential or slimming oil on the skin, the treatment head will grip the skin. It is very convenient for operator to slip the treatment head; it can also get a result of massage via pressure
2. Select negative pressure (Vacuum) and strong sound wave mode; adjust negative pressure suction and strong output intensity of sound waves, set working hours (about 10-20 minutes each session).
3. Hold the treatment head to make it touch the skin closely, and orderly slow-moving, the movement should be coherent, the operator should adjust the intensity of suction pressure according to the guests endurance, vertically forward move (go-return) for fat dissolving .The suction pressure makes fat cell molecules dissolved in the body and move until out of body via lymphatic drainage system. The vacuum liposuction head can also give body a massage.

Vacuum Liposuction: T mean the time for controlling of discharge air

D mean time for controlling of the absorption air

Operator can set the T and D according to the patient's feel

Recommended operating procedures and parameters setting

1. Please take shower before treatment (clean the skin)

For surplus fat patient, start with cavitation treatment head for exploding and breaking fat cell (about 15 minutes)

2. Monopolar RF for dissolving fat and lipolysis. (About 10 minutes)

For little fat patient, you can choose tripolar rf head (about 15 minutes)

3. Clean the skin again, put some essential oil on the skin and massages the fat of body; improve the lymphatic drainage system and slimming care. (About 20 minutes)

Cavitation explode: 20-35 W/CM2 treatment around 10-15 minutes for treatment parts of the body

Lipolysis RF: 15-30W/CM2 gives a treatment around 10-15minutes for treatment parts of the body

Tripolar rf: 20-30J give a treatment around 10-15minutes for treatment parts of the body

5) Course of Treatment:

20 times per 1 course of treatment

Beginning: 8 times; 2 times/weeks

Mid: 5 times, 1time/ week

End: 7 times, 1time/month

Please note: it also will depends on clients' needs and figures. If client's figures is quite big then please do think about add more treatment on each course.

Each treatment section is around 50-60mins.

Treatment Steps:

Vacuum 15mins→Monopole RF 15mins→3RF 15mins→Cavitation15mins

We strongly suggest doing it alternatively from Body Part A to Body Part B, and then come back to A-B.

To keep a best outcome after 1 course of treatment, it will be good to keep doing once per month.

6) The following is a basic list of contraindications:

- Epilepsy
- Currently pregnant
- If you have a pacemaker
- Previous history of cancer
- Diabetes (insulin dependent)
- If you have any kidney or liver problems
- If you suffer from Keloid scarring
- If you are under the age of 18 years

2.4 Course of Treatment:

20 times per 1 course of treatment

Beginning: 8times; 2 times/weeks

Mid: 5 times, 1time/ week

End: 7 times, 1time/month

1 treatment section is around 50-60mins,

Treatment Steps:

vacuum 15mins→Monopole RF 15mins→3RF 15mins→Cavitation15mins

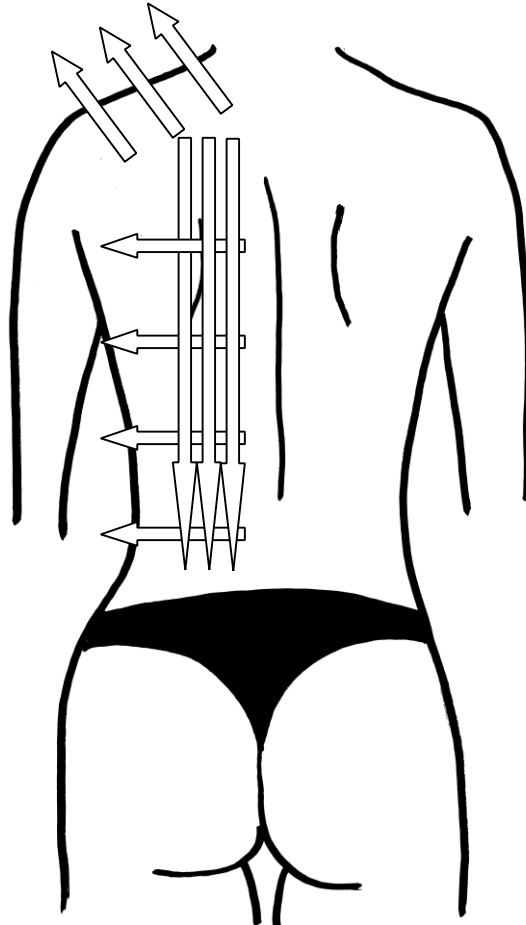
We strongly suggest to do it alternatively from Body Part A to Body Part B, then come back to A-B.

To keep a best outcome after 1 course of treatment, it will be good to keep doing once per month.

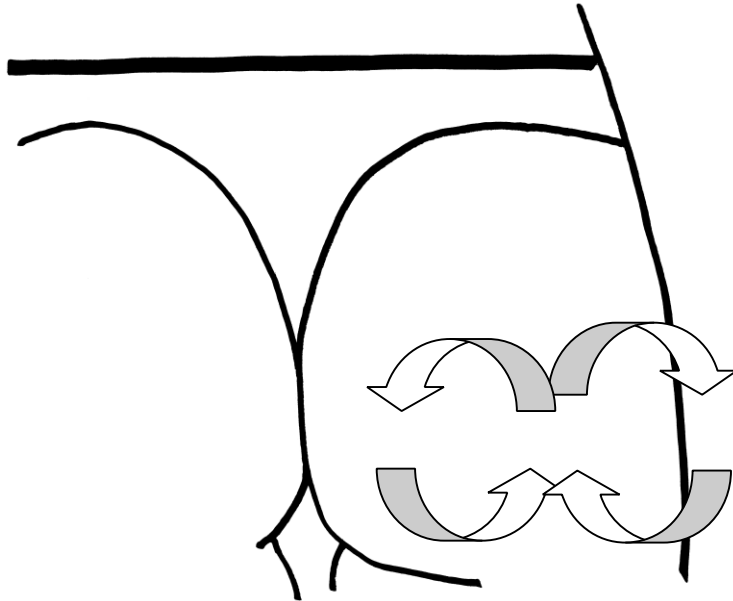
2.5 Operation method

During the treatment,keeping touching the treatment area to "feel" the hardness change.

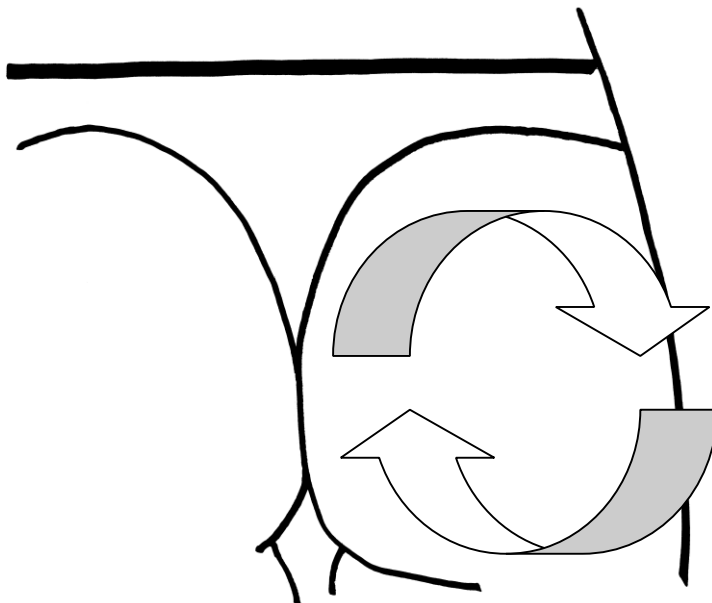
"mesh"method



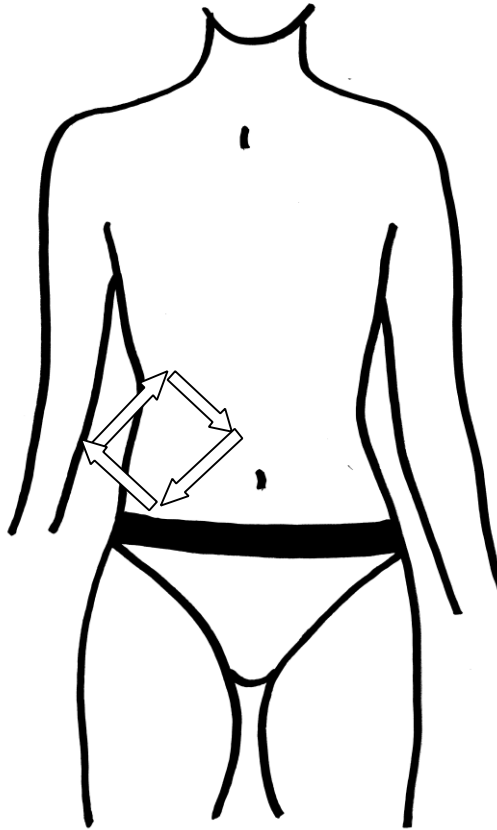
"8" method



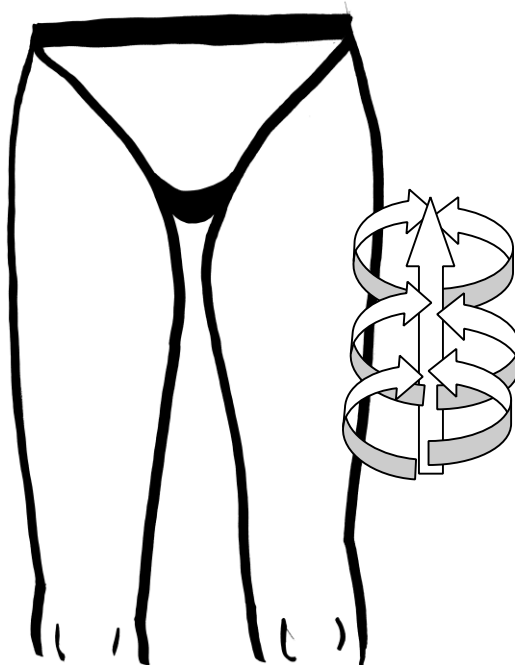
"round" method



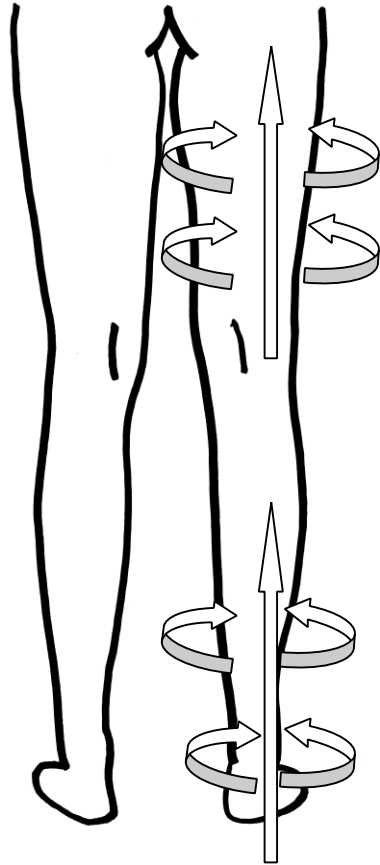
"diamond" method



"stripe" method



Move the handpiece from up to down, from outside to inside



For the sensitivity of the skin for each client is different. We suggest, before treatment, consult treated clients' feeling, to adjust the better parameters.

3 Warning

3.1 Main unit

3.1.1 Please use the random allotment of three-core power cord and prohibit using two-core power cord. Make sure the middle of the core in Power plug reliable to ground.

3.1.2 Inoperable areas: the eye, ear and other parts of taboo.

3.1.3 Avoid keeping it in strong magnetic fields and in the custody places where radio waves occurred, do not use in the bathroom. Kitchen and other severe moisture and dust or high temperature areas.

3.1.4 Apart the host is strictly prohibited, in addition to the company's authorized officer, others should not open the lid; prohibit non-professional staff to carry out repairs;

3.1.5 If unused for more than six months, before re-using, you have to accept check-up services, in order to long-term use of this product, please accept regular services in the purchase of stores.

3.2 Handle

3.2.1 When the hand-held pieces are in the event of the failure or damage and need to replace, please unplug the hand-held pieces of sockets. When installing the handle please accordance to the direction of the connector on the chassis, insert it to the end and ensure that the probe connector close to the socket. During the installation please hold pieces to avoid falling on the ground.

3.2.2 Dismantling or transformation of hand-held items is strictly prohibited.

3.2.3 Do not strongly impact or percuss hand-held pieces.

3.2.4 The probe should be completely contact with the skin, and then begin to operate (touch "start "on the screen).

3.2.5 For each treatment after replacement person , the energy of the interface must be returned to the lowest setting, and then adjust the energy according to each individual adaptedness and sensitivity !

3.2.6 Others functions are prohibited except this user manual specified.

3.2.7 Probes clear: medical alcohol scrub.

3.2.8 Probes maintain : If you do not use the unit for a while, please turn it off to prevent the probe in oxidation.

3.2.9 The lifetime of hand-held pieces is 2000 hours, after the expiration, please purchase replacement from my company in time.

3.3 Touch screen

3.3.1 Do not use sharp instruments impact touch-screen.

3.3.2 Do not let cosmetic or other dirt attached to the touch-screen

3.3.3 Do not pour liquid substance on the touch screen

3.3.4 Prohibit alcohol or detergents and other cleaning agents scour the touch screen, for cleaning, you can use a soft clean cotton cloth.

4. Maintenance and Repair

4.1 Cannot boot

Confirmed AC is in correct access, the power plug is inserted tightly, the power switch is all open, the fuse is normal.

4.2 Touch-screen is invalid because of below reasons:

- a. May be touch screen is pressed. Gently press touch screen for several times and then reboot;
- b. Touch-screen positioning is incorrect or broken .Make touch screen calibration, please contact our customer service to solve the problem.

4.3 Feeling unwell in operation

Re-select the treatment system, to ensure suitable to you.

4.4 Touch-screen appears abnormal crash

Please turn off the power supply, after 2 minutes reboot the Machine.

4.5 Abnormal situations or failure cannot be excluded.

Please contact the local offices, and show the purchase date, we will reply for your question 24 hours.

4.6 Replace fuse method (their position is as the figure show)

4.6.1 As shown in Figure 6.7-1 referring to the location of the arrow type ,use screwdriver to pry out the fuse holder.

4.6.2 As shown in Figure 6.7-2 put the fuse into the slot fuse holder of installation. Power supply for the AC220V, the fuse specifications: Tac250V/8A; when use Ac110V power supply, the fuse specification is: Tac250V/15A

4.6.3 Put the fuse holder into sockets.

5. Warranty

5.1. Warranty time

Our company provides twelve-month warranty for the units include the power, capacitor, touch-screen, and main board. We guarantee the Probes lifetime is 2000hours, and warranty begins effect from Purchase day.

5.2. Warranty range

If the equipment is in warranty period, our company will provide free repair or replacement, other non-normal use and irresistible factors is not in warranty.

5.3. Limited warranty

5.3.1 Users enjoy free warranty service in warranty period.

5.3.2 If the product is damaged in transit due to improper packaging when you return, the unit will be in voided warranty

5.3.3 Repaired unit still enjoys the original warranty time and service; the replacement enjoys three months warranty from maintenance day if less than three months of the warranty deadline.

5.3.4 After the replacement the defective parts belong to our company.

5.3.5 The user should be responsible for the security of data; our Company does not undertake responsibility of damage or loss of data, programs or removable media.

5.3.6 Users need to keep the warranty card and purchase invoices safe; our company does not reissue the warranty card and purchase invoices.

5.3.7 If the damages belong to any conditions in below, our company will not be responsible and the unit is not in warranty.

a. Damages resulting from fires, earthquakes, acts of third party's action, the customer's intent, misuse unpredictable events, and other abnormal conditions.

b. Damages resulting from other using methods out of this user manual provided.

c. Others include: situations the company cannot control; problems caused by using other company's accessories, replacement for spare parts, or accepting unauthorized

modification or service; misuse, abuse, operation, maintenance or illegal dismantling not in accordance with the instructions.

d. Damages caused beyond stipulate working environment including excess workload.

e. Damages caused by improper storage (such as rodents, liquid penetration, etc.)

f. Damages caused by use of self-compiled or non-public offering process.

5.4. More technology information, please visit our website or call hot line.

6. Contact Us

Zhengzhou PZ Laser Slim Technology Co., Ltd.



Add: Jinshui District,Zhengzhou City, Henan Province, China



Tel: +86-371-55677868, +86-135 9806 3050



www.pzlaser.com



jannypzlaser@gmail.com