

Guangzhou linuo beauty Electronic Technology Co.,Ltd



Multifunctional
Cryolipolysis
Body sculpture



4 in 1 cryolipolysis

- ◆ Cryolipolysis
- ◆ Cavitation
- ◆ Tripolar RF
- ◆ Five polar RF

User Manual



Contents

Chapter 1 Safety System

1. Safety design	1
2. Electrical safety.....	1

Chapter 2 Descriptions And Installation

1. Theory	2
2. Application.....	3
3. Installation	4

Chapter 3 Operate Interface Instruction

1.Operation interface.....	6
2.Cryolipolysis treatment settings	7
3.Cavitation Treatment settings.....	11
4. RF treatment Settings.....	13

Chapter 4 Treatment Tips

1. Cryolipolysis	15
2. Operation Tips	15
3. Notice: different treatments for same body part	16
4. Treatment Setting	16

Chapter 5 Notice Before Using

1. Notice before operation	17
2. Contraindications	17

Chapter 6 Maintenance

1. Cleaning system	18
2. Maintenance Instruction	18
3. The usual problems and their solutions.....	19
4. Environmental protection and safety precautions.....	19
Technical Note.....	20
Technic Parameters.....	20
Accessories list.....	20

Honorable Clients

Thanks for your attention to our product **CTL** System.

- ★ To operate the machine perfectly, please read the user manual and follow the instructions.
- ★ It is forbidden to open and remove the mainframe of machine without authorize from the company.
- ★ Please contact us if there is any question during operation.



For the safety of treatment and protection to the system, please read this manual carefully before operation.



Chapter 1

Safety System

1. Safety design

For customer's safety, we design the protection system as followed:

Air-blast circuit breaker: To avoid overloading of the power supply and control and protect the power supply.

2. Electrical safety

CTL multifunctional system uses single-phase AC220V/110V power supply; the capacity of power supply is more than 500VA.

The machine should be well connected with the electrical source net, which is stable and well earthing . Power supply line and socket are in accordance with standard 10A 250V.



Do not open the cover of the machine without our guidance .



voltage attack!

- 1. Never connect this equipment with any other equipment!**
- 2. Please make sure that the socket of power supply is well grounded.**



Chapter 2

Description And Installation

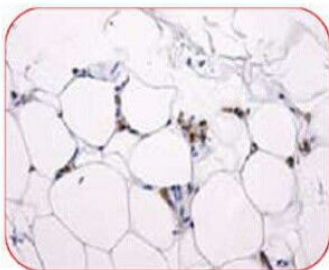
1. Theory

Cryolipolysis (Fat Freezing)

Through cooling technology, triglyceride in fats will be converted into solid in particular low temperature. Fat cells premature aging and death. Through the normal metabolic processes to decrease the fat layer and achieve the purpose of partially melting fat. (Fig. A)

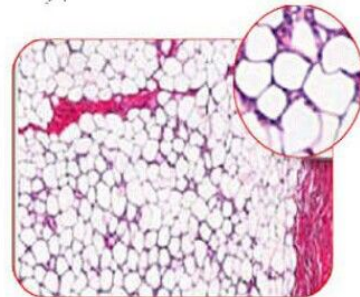
3 days post-procedure

- Apoptotic cell death has begun
- No signs of immediate necrosis
- Procedure spares skin, nerves and muscle



14 days post-procedure

- Dead cells are naturally cleared through the lymphatic system
- Body process contents like any other dietary



90 days post-procedure

- Fat layer shows no sign of long term injury
- Overall reduction number of fat cells

RESULTS post-procedure

- Documented average 22% fat layer reduction in one treatment
- Cumulative effects with re-treatment

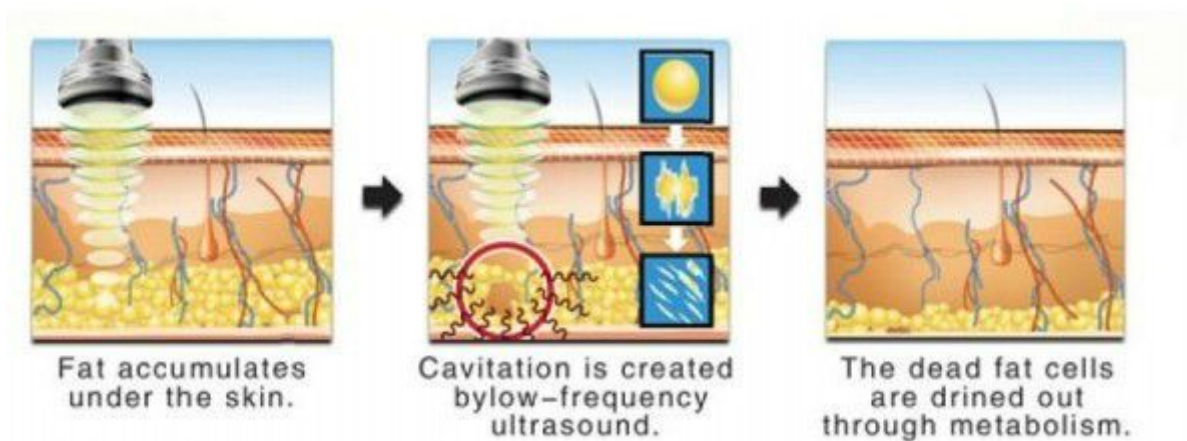


Fig.A

RF Cavitation

Stubborn cellulite can be effectively treated by Cavitation.

Cavitation utilizing intense sound wave (reaches 40KHz) causes violent vibration within fatty cell. Cellulite is bombarded with strong force, causing fatty acid decomposition and enhancing blood circulation. Finally fat acid is discharged outside the body through lymphatic drainage, thus achieving the weight lost and the lush body beautification effects.



RF system uses 5MHz 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.

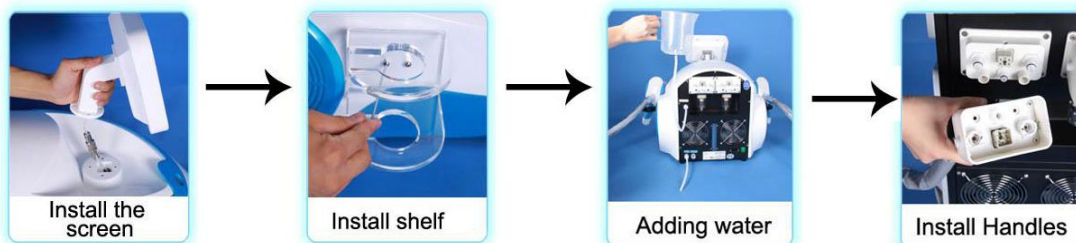
2.Application

- Inches loss
- Skin tightening ,improve skin elasticity
- Cellulite reduction, weight loss
- Shape body contour

3. Installation



- ① First: Install the Annex Shelf
- ② Second: Install the all handles according to the Arabic alphabet
- ③ Third: Power on and test the function of the machine.



Assemble Screen





Chapter 3 Operate Interface Instruction

1.Operation interface

1. Prepare before starring the machine
the power line has been installed correctly;
the hand piece is well connected with the equipment;
keep the power switch situation “ON”

Press the middle round button, interface will appear automatically with different operation language to choose (from up to down : English, Russian, Portuguese, Turkish) as shown in picture (Fig.1).



Fig.1 Opening interface with four Languages

2. Click the language flag you need,enter the second interface to set the parameter you need for each treatment.

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2.Cryolipolysis treatment settings (Fig.2)

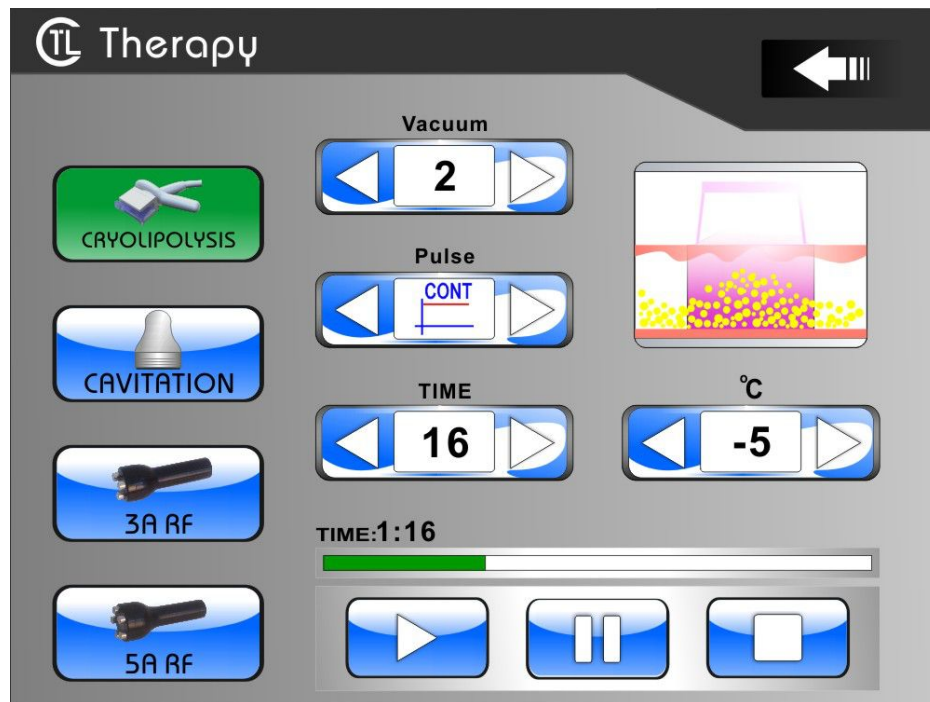
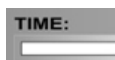


Fig.2 Operation interface for cryolipolysis



return to home page (Fig.1)



time progress strip, time strip color change from white to fully deep color from 0-60 minutes.




start,

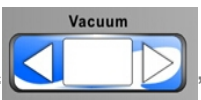


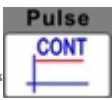
suspend,



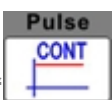
stop.

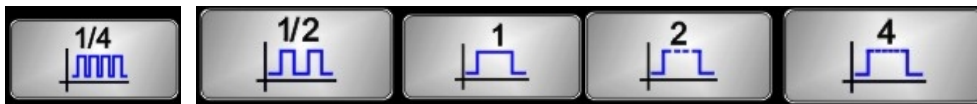
①.Click "  ", enter the interface of cryolipolysis.



②.Click "  " to set vacuum working intensity : 1 (weak) ~ 6 (strong) level



③.Click "  " to adjust the vacuum mode.


During treatment, continuous mode use 45-55 minutes, then set the other modes 5-10

minutes for massage; Click "  " to adjust the vacuum mode, total 5 models for choose :



④. Click "TIME" to set treatment time about 45~60 minutes, " means increase, " means decrease.

⑤. Click "°C" to set the treatment temperature from 5°C ~ -10°C, " means increase, " means decrease.


⑥. Press the button ", to start the treatment.

⑦. The machine will pause automatically if the setting time is over.

⑧. Two cryolipolysis handles can work independently or at the same time. Set up appropriate parameters for one handle or both handles in same way according to the description above.

(1) Operation Process for Cryolipolysis function:

1. Check the thickness of the fat.
2. Clean treatment area;
3. Mark the size of treatment area.
4. Paste antifreeze membrane at treatment part.
5. Set the vacuum intensity and cryo temperature to start the treatment

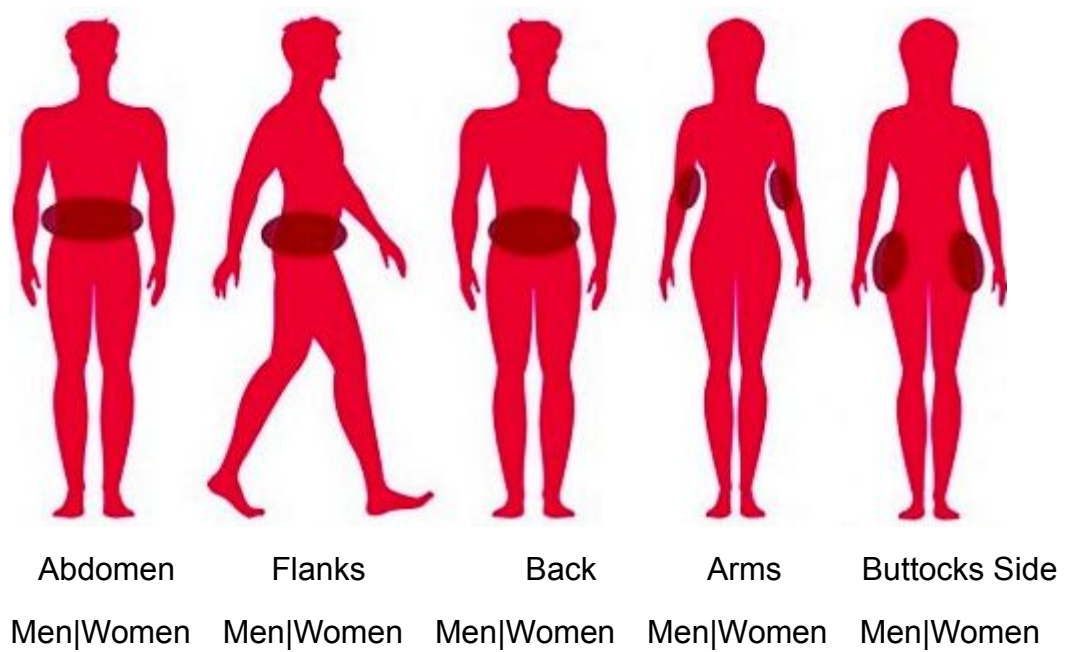
6. Press the button ", to start the machine

7. 45-55 minutes after treatment with model , press the suspend button

", to stop the suction. Then use the one of other five models 



for 5 -10minutes massage.



Skin Antifreeze Membrane

Qualified antifreeze should be used during the treatment, to avoid frostbite. When the packaging is opened, please use the membrane within 3 days.



3. Cavitation Treatment settings (Fig.3)

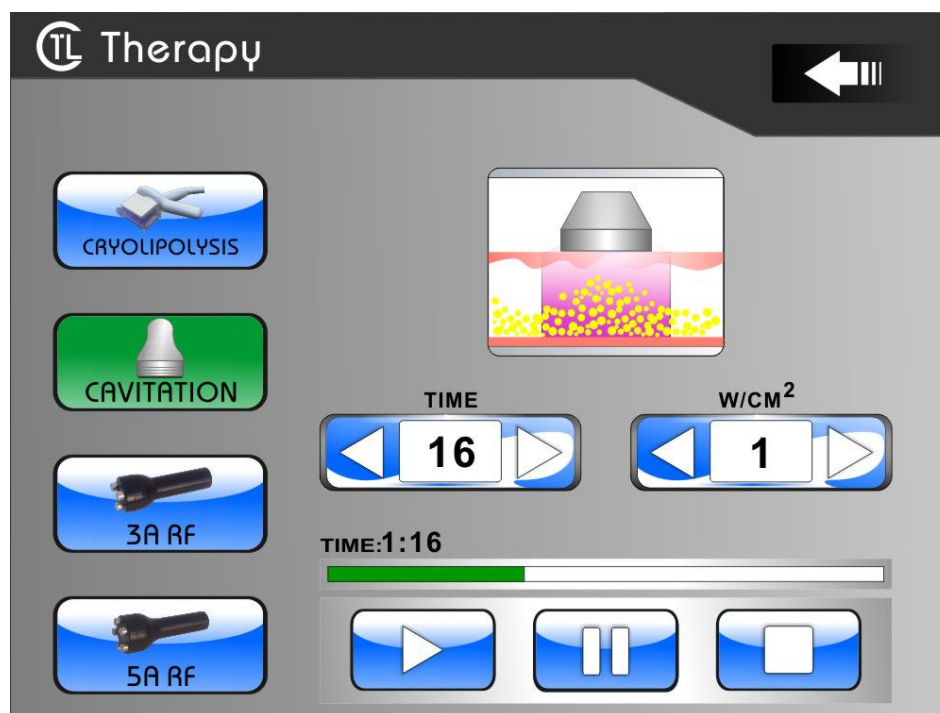


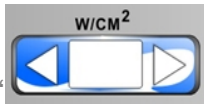



Fig.3 Operation interface for cavitation

- ①. Click "  ", enter the interface of Cavitation.
- ②. Click "  " to set working time about 20 minutes.



③. Click “” to set the working intensity: 20W/cm²(weak) ~ 50W/cm²(strong), step is 5W/cm².

④. Put enough gel on fleshy parts (Abdomen, waist, stomach, thighs, buttocks, upper arms etc) so that the ultrasonic slimming head can be moved flexibility.



⑤. Click button “”, to start treatment.

⑥. Beautician hold the ultrasound head to move slowly on skin, in circle or beeline repeatedly, the other hand push the fat towards the ultrasonic cavitation slimming head (Cheeks, chin, arms, abdomen, waist, hips, legs etc). Do not stay without being unmoved.

⑦. Avoid using on bones.

⑧. Avoid treatment on uterus part. Abdomen treatment during menstruate should be avoided.



4. RF treatment Settings

(1) Operation for tripolar RF (Fig.4)

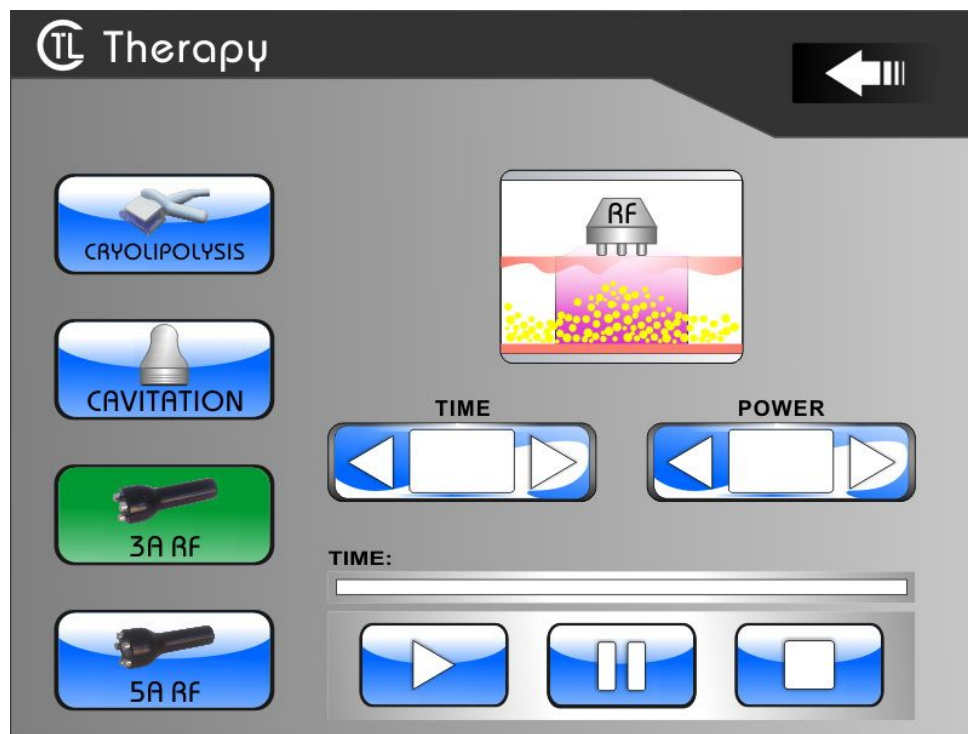





Fig.4 Operation interface for tripolar rf

- ①. Click "", enter the interface of tripolar RF.
- ②. Click  to set the working time about 20 minutes.
- ③. Click  to set the working intensity: 5J/cm²(weak) ~ 35 J/cm²(strong), step is 5J/cm².
- ④. Frist, put enough gel on the treatment skin.

The Beauctician move handle in circle, the electrode probe move from inside out, operating on both side ,right and left, one side over to start to other side (Neck, chin, cheeks, nose etc). Do not stay without being unmoved.

(2) Operation for five polar RF (Fig. 5)

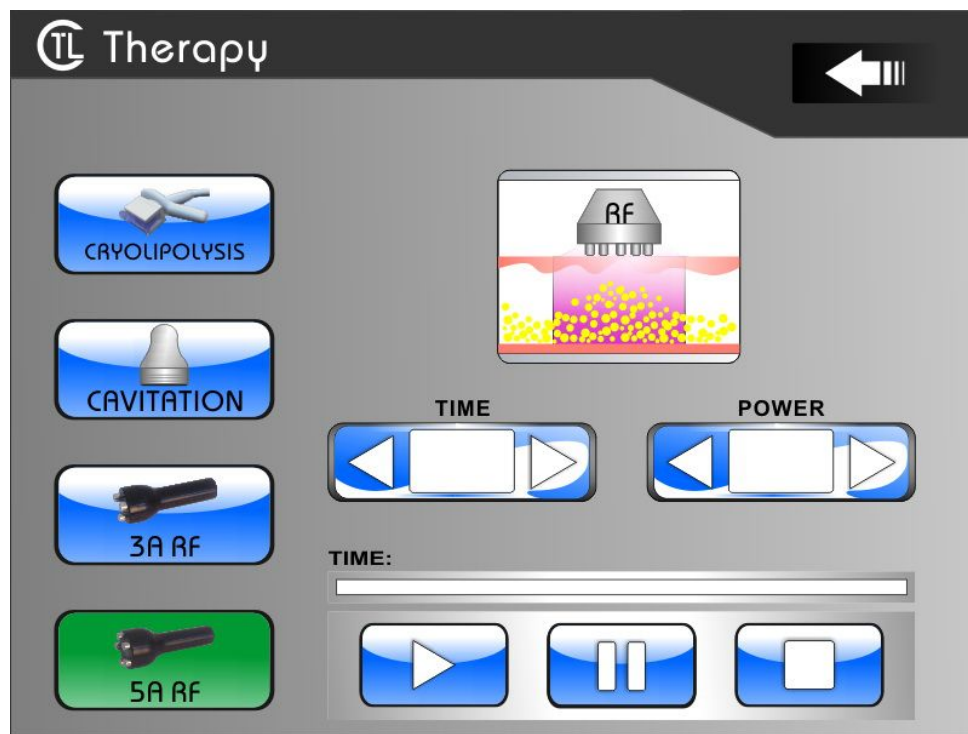





Fig.5 Operation interface for five polar rf

- ①. Click "", enter the interface of five polar RF.
- ②. Click  to set the working time about 20 minutes.
- ③. Click  to set the working intensity: 5J/cm²(weak) ~ 35 J/cm²(strong), step is 5J/cm².
- ④. Frist, put enough gel on the treatment skin.

The Beautician move handle in circle, the electrode probe move from inside out, operating on both side ,right and left, one side over to start to other side (just can be used on body). Do not stay without being unmoved.



Chapter 4 Treatment Tips

1.Cryolipolysis

- Three hours before the treatment,customers must not eat or drink anything.That is very important,it is related to the treatment result.
- Before the treatment,please ensure the machine in good condition.Let the machine working for 10 minutes,if there is enough ice on the plates,then can start the treatment.
- Must use the anti freeze membrane during the treatment.
- In the last 10 minutes treatment,stop the cooling mode,choose the vacuum massage function to massage treatment part.
- The results will be more positive,if pressotherapy lymph drainage treatment can be done after the cryo treatment
- Do not eat spicy food or sea food in the following days after operation; suggest eating some vegetables and fruit
- The client must practice some sport everyday (walking 1 hour a day should be fine), drink 2 liters of water a day and follow a diet.

2.Operation Tips

- Each time all treatment parts should be the same in full whole course.
- During the treatment, adjust the vacuum from low to high according to customer's suitable feeling.
- Forbid no load for the cavitation & RF.
- After one treatment,the cavitation &RF handles should be cooling for five minutes,then start another treatment.

3.Notice: different treatments for same body part

- ① Cryolipolysis treatment
- ② Cavitation treatment
- ③ RF treatment

(Following the sequence,two days interval for each treatment.)

4.Treatment Setting

Cryolipolysis	
Treatment parts	
back,waist,belly,arms,thighs,and buttocks	
Treatment setting	
<p>1.Each treatment 50-60minutes.The Mix interval time between two treatments is 30 days,four treatments as a full course.</p> <p>2.According to the cellulite style and treatment part size,the treatment times can be increased to six or eight as a course.</p> <p>3.For the cellulite on the waist,it needs several courses on multiple different parts.</p>	
Tips	
<p>1.The treatments in the full course should be on the same treatment part.</p> <p>2.Different parts can be treated at same time,max four treatment parts at same time.</p> <p>3.The treatment can only remove the extra fat.</p> <p>4.The substantial weight loss should be taken into consideration,such diet and regular exercise</p>	
Cavitation/RF	
4 weeks/ Course	
4 times / First week	each time 15- 20 minutes
3 times/ Second week	15 minutes
s3 times/ Third week	15 minutes
2 times/ Fouth week	10-15 minutes



Chapter 5

Notice Before Using

1. Notice before operation

Discuss with customers about the treatment thoroughly, make sure you have 100% understand customer's requirements about the treatment; then decide whether to start the treatment or not. Explain the treatment to customer as clear as possible. Clean the treatment area, make sure there is no grease, scruffs nor cosmetics, and the pores are clear to see. Firstly, use hot towel to warm the skin, and then wipe up the skin.

2. Contraindications

- Liver problems, the Raynaud's disease, severe cold urticaria, cryolipolysis globulinemia, cold fiber hypoproteinemia, severe frostbite, a serious disease of sugar and the quiet old age, young children, frail and so on frozen not tolerate the treatment.
- Patients with Infectious diseases
- People who has fever, infectious diseases, acute diseases.
- Pregnant women. (women after birth less than 5 months)
- Do not use at the abdomen during menstrual period.
- People with hemorrhagic disease, trauma, vascular rupture, skin inflammation, skin disease.
- Those who is anemic, erythroid ,aplasia or hemorrhage.
- Those who is dysphemia.
- Patients with severe high blood pressure, tumor disease, asthma, deep vein thrombosis.
- Those who suffer from heart failure.
- People with heart disease or configured cardiac pacemaker.
- Medical plastic parts, or parts with metal inside.
- Varix, thyroid, cancer, falling sickness.

- People with an abnormal immune system.

Chapter 6 Maintenance

1. Cleaning system

Clean system once a week minimally. Switch off the equipment, and wipe the surface with a soft, wet tissue, especially the window of the hand piece. Please take care that don't pour any liquids on to the system. After each treatment, the window of the hand piece should be cleaned.

2. Maintenance Instruction

- 1) Medical equipment or appliances close to the device may be resulting in operational failure due to interference,
- 2) The machine is a precise apparatus; do not use it at place with high temperature, humidity, dusty, smokes, and vapor.
- 3) If there comes a failure, please shut down the power immediately, and send it to the distributor or manufacturer for maintenance. Do not repair on your own.

4) Exclusion of liability

If fire, earthquake, war occurred.

The fault of the user, operator error;

Damage caused by using other method (not included in the use manual).

Operate without the manual's guide.

3. The usual problems and their solutions

Abnormality	Check
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No Power The screen is off	1. Whether the mains has power. 2. Whether the power plug is plugged in well. 3. Whether the emergency stop switch is lifted; 4. Whether the lock-switch is turned on.
The screen is off	1. Whether the urgent stop is uplift 2. Whether the key switch is closed

4. Environmental protection and safety precautions

To abandon or disassemble the equipment should under the guidance of the local law, sent to specialized agencies.

Names and contents of Toxic and hazardous substances or elements

Part name	Hazardous Substances						NOTE
	Pb	Hg	Cd	Cr(VI)	PBB	PBDE	
Plastic parts	○	○	○	○			
Metal structures/ decorations		○	○	○	○	○	
Circuit board Components		○	○	○	○	○	
Power Line		○	○	○	○	○	
Power bond		○	○	○	○	○	
Relay	○	○		○	○	○	
Buzzer		○	○	○	○	○	

Remarks said that the content of hazardous substance in all materials in the parts below the standard of SJ/T11363-2006 limit requirement. Indicates that the content of toxic or hazardous substance in at least one of the homogeneous materials for this part exceeding the SJ/T11363-2006 limit requirement.1363-2006.

Technical Note

Hardware structure of the machine parts, injection molded parts, and the majority of electronic components, connectors meet the requirements of the EU and China RoHS directives, only a few parts as the global technology limitations that may affect product

reliability and not find a substitute for the toxic and hazardous substances, please be assured to use, use under normal conditions will not cause health effects on users

Technic Parameters

Voltage	220v/110v; 50Hz-60Hz
Cooling device output temperature	5 degree~ -16℃ degree
Cooling device output pressure	0-100Kpa
Cooling liquid	pure water, with 4.5 L
Default working time	0-60 minutes
Power consumption	≤400W
Cavitation	35-40KHz
RF frequency	5MHz
Weight	29 NW / 47 GW
Package Size	73.5*62*63.5cm

Accessories list

No.	Item	Quantity
1	Cryolipolysis handle	1
2	Cavitation handle	1
3	RF handle	2
4	Flat head hex socket screws	4
5	Round head hex socket screws	3
6	Round head hex socket screw nut	4
7	Frozen head accessory rack	1
8	Cavitation rf head accessory rack	1
9	Allen driver	1
10	Hopper	1
11	Spare rubber ring	some
12	Backup fuse	2
13	Fat callipers	1
14	Frozen head bandage	1
15	power line	1

16	Antifreeze membrane	5
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