

LN-164S

User manual



Warning

Dear user:

Thanks for using our company's products, in order to fully make use of the products, we sincerely suggests follow:

- ◆◆Please read the instruction in detail and keep it well for further reading and consulting.
- ◆◆Please follow the instruction to fit and operate the machine correctly.
- ◆◆Please do not remove and change any accessories of the machine.
- ◆◆It forbids others to open and remove the mainframe except the authorized people in the company.
- ◆◆It forbids others to change and maintain the machine except the professional people.
- ◆◆Please contact us if there is any trouble during operation.

This product does not belong to medical, please don't use for disease treatment!

Technology Background

Too much fat can damage people's appearance and athletic ability. May also cause various diseases. Too much fatty tissue can be located in various parts of the body, including the thigh, buttocks, abdomen, knee, back, face, arms and other areas. And an excess of adipose tissue may be cause ugly appearance formed by cellular. Excess body fat also related to significant health risk. So we need effective method to control or dissolve excess body fat.

Liposuction is a cosmetic surgery procedure that slims and reshapes specific areas of the body by removing extra fat deposits. Usually operated by the Plastic Surgery or dermatologist with a special surgical instruments for liposuction, it is an invasive way to remove subcutaneous fat tissue.

There are also possible fatal complications and negative side effects associated with having liposuction. These temporary factors include swelling, painful bruising, pain, numbness, limited mobility and allergic reaction. In addition, liposuction is of high cost. There are other new emerging technologies to remove subcutaneous adipose tissue, including Mesotherapy laser-assisted liposuction and high-intensity focused ultrasound.

Other non-invasive way to remove excessive fat including drugs, diet pills, regular exercise, diet control, or a combination of these methods. A disadvantage of these treatments is likely invalid, and even in some cases impossible. For example, when a person physically injured or sick, you can not select the way of regular exercise. Similarly, when the diet pills or external use of drugs are allergic or cause adverse reactions, in addition, the use of physical or systemic approach to lose weight, you can not dissolve the body fat of a selected area.

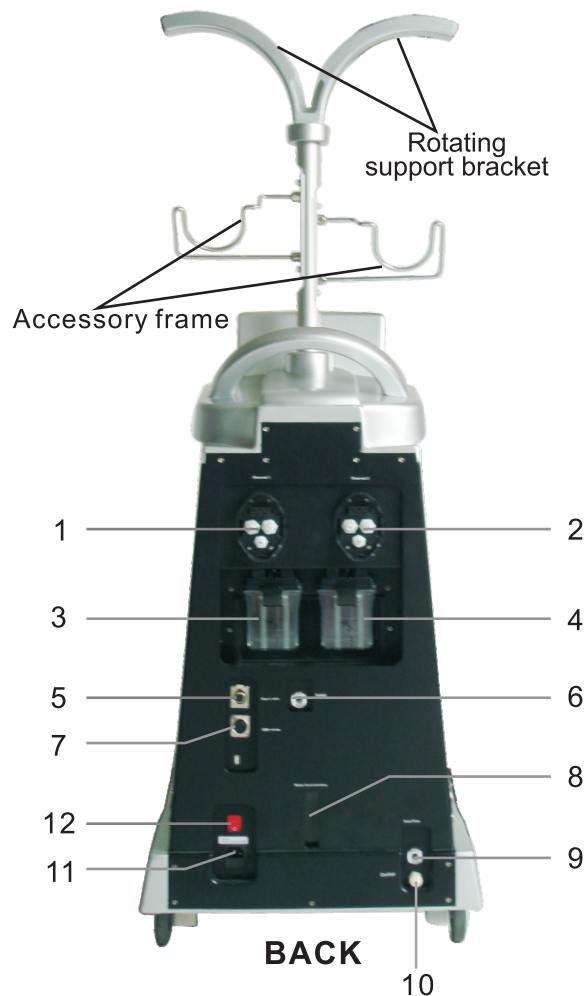
The Cooling procedure using Cryolipolysis is fundamentally different from other non- or minimally invasive modalities, and it was approved as the most effective way to fat reduction.

This revolutionary new nat loss method, which is approved as an important technology progress in fat reduction since it is put into use. For those people who is on diet, do regular exercise but still remove local fat, Cryolipolysis definitely a great gift. For fat intensive parts and less parts, such as love handles (flanks), and back fat. (loose fat above the hip on both sides of waist), belly and back fat, Cryolipolysis can produce stunning results .

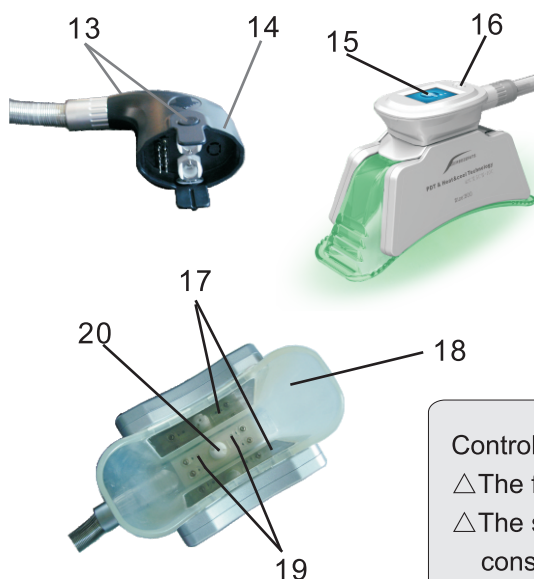
Cool Technology

As triglyceride in fats will be converted into solid in particular low temperatures. It uses advanced cooling technology to selectively target fat bulges and dissolve fat cells through a gradual process that does not harm the surrounding tissues, reduce unwanted fat, When fat cells are exposed to precise cooling, they trigger a process of natural removal that gradually reduces the thickness of the fat layer. And The fat cells in the treated area are gently dissolved through the body's normal metabolism process, to dissolve unwanted fat.

Parts Introduction



NOTE:
The colloidal particle must be plug back to the hole of valve after cleaning in order to prevent leakage.



Emergency stop button:
Press—EMG stop
Reset—Rotate 90 ° CW
NOTE: Ensure that the EMG-stop button is RESET before using



- 1.Channel 1 output connector of Cooling fat dissolving handle
- 2.Channel 2 output connector of Cooling fat dissolving handle
- 3.Filter cup of channel 1
- 4.Filter cup of channel 2
- 5.Heart rate tester jack
- 6.Coolant inlet
- 7.Emergency stop switch jack
- 8.Coolant level window
- 9.Overflow
- 10.Coolant discharge valve
- 11.Power supply line jack
- 12.General power switch
- 13.Buttons of cooling fat dissolving handle
- 14.Plug of cooling fat dissolving handle
- 15.Display window of cooling fat dissolving handle
- 16.Control button of cooling fat dissolving handle
- 17.Freezing area
- 18.Vacuum suction area
- 19.Red/Green LED indicative light
20. Gas nozzle

Control button of cooling fat dissolving handle:

- △The first press of the button--to start suction(add pressure)
- △The second press of the button--to keep the setting suction constantly(stable pressure)
- △The third press of the button--to pause(no pressure)

Accessories



Size100



Heart rate tester



Size150



Emergency stop switch



Size200



Bind ties



Size300



Fat calipers

Cooling fat dissolving handle

Steps of replace cooling fat dissolving handle

1. Turn off the general power switch first.
2. Please press the buttons of cooling fat dissolving handle [13] and pull it out.

Before Transportation

1.The coolant should be cleared before transportation.

2.Method:

Open the coolant discharge valve[10] as the picture shows (turning it to the counter clockwise and the pull out the stopper), discharge the coolant, move the machine to help the coolant get out completely.

Notice:

While discharging the coolant, the cooling fat dissolving handle should be placed at the handle support.

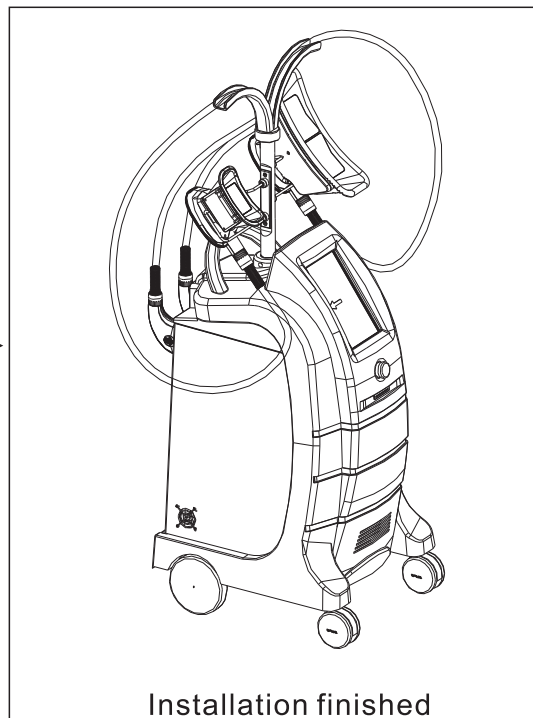
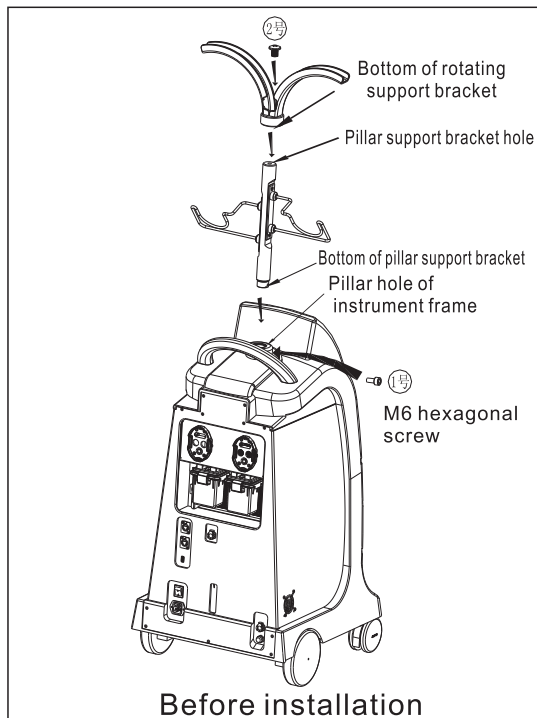
Steps of Support bracket Installation

1.Aim the bottom of pillar support bracket at the pillar hole of instrument frame, fasten with NO.1 M6 hexagonal screw. The pillar support bracket installed is finished.

2.Insert the bottom of rotating support bracket to the pillar support bracket hole. fasten with NO.2 M6 hexagonal screw. The rotating support bracket installed is finished.

3.Press the buttons of cooling fat dissolving handle[13], Insert the plug of cooling fat dissolving handle [14] to the output connector of instrument frame[1] or [2], Place the cooling fat dissolving handle as the picture shows, The host installed is finished.

4.Notice: Size 300 cooling fat dissolving handle is only used in channel 1. When using Size 300 channel 2 is invalid.



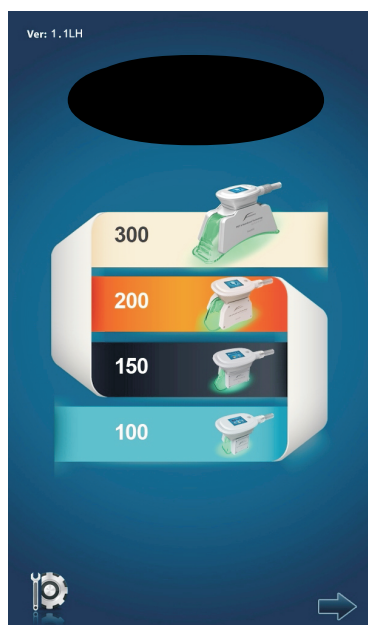
Steps of Add Coolant

1. Use purified water (or special coolant);
2. Make sure the coolant discharge valve [10] is closed;
3. Use special funnel to connect to coolant inlet [6];
4. Add purified water (or special coolant) from the funnel;
5. Add liquid until the level of the coolant level window [8] arrive at 4.5;
6. Add cooling fluid successfully first time;
7. Connect power supply line [11], turn on general power switch [12].
8. Input password "000000" to enter interface as (Fig 1). Click "Set" at the left lower corner, enter interface as (Fig 2) shows and Click "Liquid setting" to enter interface as (Fig 3) shows, click "Start" to become counter down.
9. When stopped, please observe the status of coolant level window, if it doesn't arrive at level 4.5, please add cooling fluid again until the level is above 4.5, then take off the funnel.

NOTE:

1. Add about 2L pure water or special cooling fluid, change the water after 3 months.
2. When could not add into the coolant, please open the coolant discharge valve, Add the coolant and observe the valve. when the liquid is smooth outflow, blocked it and continue to fill...

Control Panel Description



(Fig 1)



(Fig 2)

1. Input default password: "000000" (Pass if use IC card control) to enter interface as (Fig 1) shows. When using different types cooling fat dissolving handle, the system will automatically identify.

NOTE: the Size 300 is valid in channel 1 only. In interface (Fig 1) shows:

- (1) Click "Set" icon to enter interface as (Fig 2).
- (2) Click "Picture" or "→" to enter interface as (Fig 5) function setting interface.



(Fig 3)



(Fig 4)

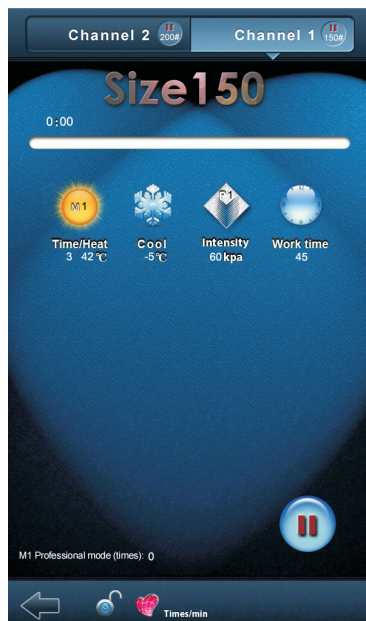
2. In interface as (Fig 2) shows:

(1) Click "Basic Setting" to select language, muting station or un-muting station.

(2) NOTE: "Advanced setting" is only for manufacturer. Users do not use.

(3) Click "Liquid setting" to enter interface as (Fig 3) shows, the details please refer to "Steps of add coolant".

(4) Click "Clean gas pipeline" to enter interface as (Fig 4) shows. Click "Start" begin to clean gas pipeline automatically, cleaning time is 5 minutes, please notice the fluid level of filter cup while cleaning, if the filter is full, please click "pause" and cleaning it. The method refer to P18.




(Fig 5)


3.

(1) The system default channel is "Channel 1", this manual was made by Size150, for example. Click "Channel 2" to enter channel 2 working interface. Size 200 for example.

(2) In interface as (Fig 5) users can be set various parameters. The details was shown in (Fig 6).

(3) Click on "←" to return the interface as (Fig 1).

(4)  Stands for after the system started, lock of switch button of handle.

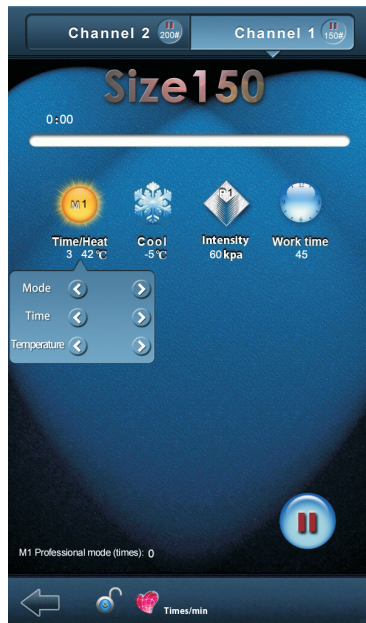
 Stands for unlock station.



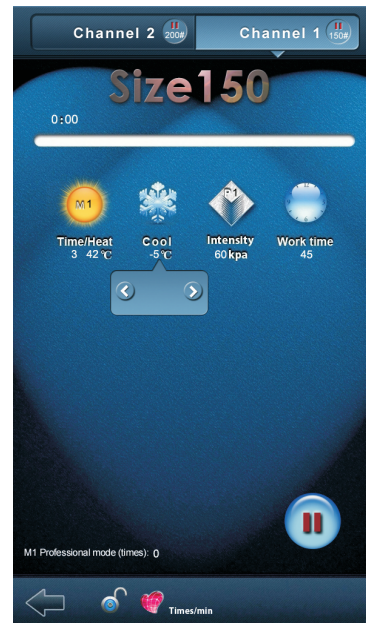
Means heart rate displays





Put your finger into the finger tester, wait for one minute.

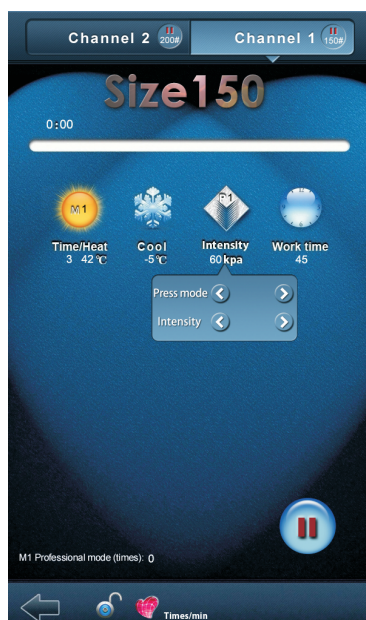


(Fig 6)




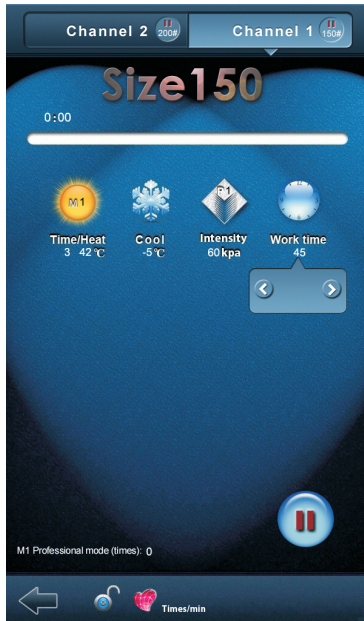
(Fig 7)

4.  Means hyperthermia mode, hyperthermia time and temperature; Click "icon" in interface as (Fig 6):
 - (1) Click "<" and ">" of "Mode" sideward to choose hyperthermia mode, M1 professional mode is cooling and thawing cycle, hyperthermia is the red light. Heating the skin up to promote the activity of local blood, reduce the discomfort of the freezing treatment. Then the temperature comes down freezing temperature that has been set. The green light when begin freezing fat dissolving. M2 is Normal mode.
 - (2) Click "<" and ">" of "Time" sideward to adjust hyperthermia time, M1 mode range is 1 to 5 minutes; M2 mode range is 0 to 5 minutes; "0" stands for close the function of hyperthermia.
 - (3) Click "<" and ">" of "temperature" sideward to regulate the hyperthermia temperature, the range is 37°C to 45°C.
5.  Means cool treatment temperature; Click "icon" in interface as (Fig 7). Click "<" and ">" to adjust cool temperature, the range is -10°C to 5°C.
NOTICE: Please operating with the help of professionals when the temperature setting is under -5 °C!

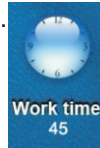


(Fig 8)

6.  Means press mode and intensity; Click "icon" in interface as (Fig 8).
 - (1) Click "<" and ">" of "Press mode" sideward to select vacuum mode: P1 is Massage intelligent balance pressure mode. P2 is Intelligent balance pressure mode. P3 is Certain keep pressure mode. The press mode is non-adjustable after started.
 - (2) Click "<" and ">" of "Intensity" sideward to adjust vacuum intensity, the range is 10kpa to 80kpa.



7.



Means setting work time; Click "icon" in interface as (Fig 9). Click "<" and ">" to set, the range is 1 to 120 minutes.

(Fig 9)

After setting various parameters, Click pre-start button "||" to enter interface shown as (Fig10)

(Fig 10)



8. Press the control button of cooling fat dissolving handle[16], the system start working.

(1) Red Light: Increasing oxygen in blood and promoting the activity of blood.

Green Light: Reducing the skin edema during the freezing treatment.

(2) The system start working. At this time the setting hyperthermia mode, time, temperature, Press mode and work time can not be adjusted; Cool treatment temperature and vacuum intensity can be adjusted.

Treatment Setting

1. 30-60 minutes for each part (depending on thickness of fat and health status).
2. You can only treat interlaced two cellulite part, Please do not treat more than two parts of body in the same cause of treatment.
3. Size 300 cooling fat dissolving handle due to its large contact area can be used alone, we recommended working time is 30 minutes.
4. Take a another cooling procedure at the same position 2 months after the first course, which can reduce the extra fat layer thickness, twice treatment, can enhance the effect of cryolipolysis.
5. The freezing fat treatment designed for localized hypertrophic fat accumulation area, physical healthy people, but not suitable for overall obesity. Treatment mainly for a particular part, such as waist fat, belly and back, and other local cellulite. Treatment is not omnipotent and can not cure obesity, it can not replace liposuction or other invasive therapies. A Substantial weight loss should be through a balanced diet and do regular exercise, freezing fat treatment can only be carried out for extra fat.
6. Proposed selecting conformable therapeutics according to the fat thickness.
[practical according to clinical situation]

Skin Antifreeze

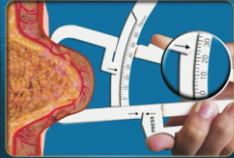
Qualified antifreeze should be used during the treatment, that avoid frostbite when temperature lower to the 0 to -40 degree.
[Consumables, purchase on your own]

Operation Process

Operation of the first treated part

1. Please checking whether the number of the coolant level window is above 4.5 before turn on the machine. If it less than 4.5, please add coolant to avoid the bad effect on the cooling system.
2. After start, the system enter interface as (Fig 5).
3. Test the heart rate of the people who is receiving the treatment, whether it is normal [50-100] and ask them there is other disease inapplicable to the treatment.
4. Check the thickness of the fat, with the help of fat calipers. The cool temperature refer to the fat thickness reference table.
5. Clean treated area, Clear the hair of the treated area.
6. Mark the size of treatment area.
7. Open the package of antifreeze membranes.
8. First, take out the small antifreeze membrane and smear the edge and inside of cooling fat dissolving handle.
9. Then open the big antifreeze membrane as (Fig 12) shows.
10. Paste antifreeze membrane on treatment area as (Fig 13) shows.
11. Patients receiving the waist and abdomen treatment should be sitting make upper body and thigh to 90 degrees as (Fig 11) shows.
12. Set cool temperature and work time according to thickness of fat.
13. Click "Start", the machine is into the standby.
14. Make the cooling fat dissolving handle to suck the treated area gently as (Fig 14) shows, press the control button once to start vacuum suction. (add pressure)

Thickness	Dose	Time
<input checked="" type="checkbox"/> <20mm	<input checked="" type="checkbox"/> 0 ℃	<input checked="" type="checkbox"/> 60min
<input checked="" type="checkbox"/> 20-40mm	<input checked="" type="checkbox"/> -5 ℃	<input checked="" type="checkbox"/> 45min
<input checked="" type="checkbox"/> 30-50mm	<input checked="" type="checkbox"/> -8 ℃	<input checked="" type="checkbox"/> 40min
<input checked="" type="checkbox"/> 50-60mm	<input checked="" type="checkbox"/> -10 ℃	<input checked="" type="checkbox"/> 40min
<input checked="" type="checkbox"/> >60mm	<input checked="" type="checkbox"/> -11 ℃	<input checked="" type="checkbox"/> 40min



Fat thickness reference table



(Fig 11)



(Fig 12)
Antifreeze membrane



(Fig 13)
Paste membrane



(Fig 14)
Absorb



(Fig 15)
Treatment in progress

15. When the suction strength is suitable, press the control button again, to keep the stable pressure. Click the “🔒” as (Fig 10), locking buttons of freezing fat dissolving handle. If change the work state, please click the “🔓” key to unlock it.
16. Treatment course start timing... Use bind ties to fixed the cool fat dissolving handle as (Fig 15).

Operation of the second treated part

1. Click “Channel 2” while the first treatment begin timing.
2. Operating as first treatment operation steps.

After Treatment



Damage, minor frostbite, skin pigment may occur at the treated area, care properly.

Caution



1. The machine must be operated by professionals.
2. Observe the status of coolant level window before operating everyday, the level can't less than 4.5.
3. Banned in no case of anti-freeze membrane treatment, during the course of treatment must ensure anti-freezing film completely cover the rapeutic part, otherwise can appear frostbite, etc.
4. According to the clinical, Individual physical users may occur frostbite reaction, you can raise the temperature according to fat thickness or consult professional doctor.
5. Cautions especially:

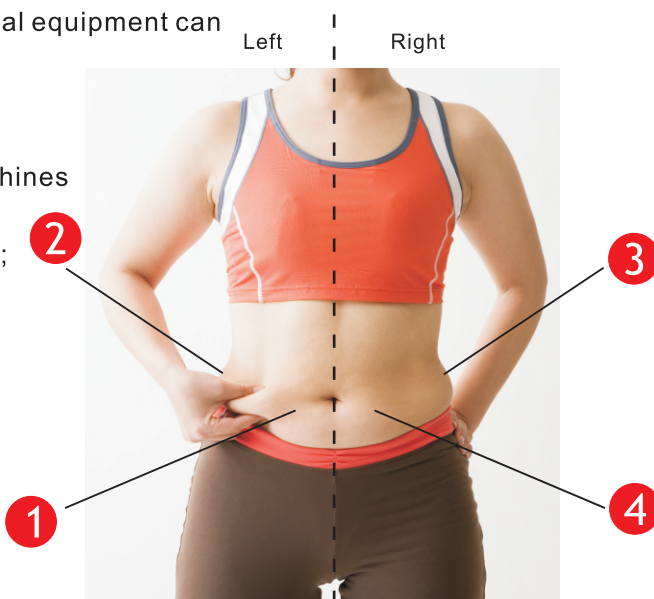
The person please do not treat a large area of body or treat the adjacent part of the body that have been treated in the same course of treatment. As (Fig16) shows: if you operate of part ①, you can not operate the part ② or part ④, so you can only operate part ③. If you against this regulation, Light will cause the metabolic disorders, Heavy then cause metabolic acidosis and the toxins from the body doesn't stranded.

6. Patients using the following medical electrical equipment can not use the machine.

- Implanted cardiac pacemakers or other implanted electronic devices;
- Life-sustaining artificial heart-lung machines and other equipment;
- Portable ECG measurement equipment;

7. The following patients should be agreed by the professional doctors before using the equipment.

- Patients with acute disease;
- Malignancy;
- Patients with Infectious diseases;
- Pregnant women;
- Patients with heart diseases;
- Patients with fever;
- Patients are receiving treatment or those with abnormal body phenomenon;



(Fig 16)

- ※8. If the screen display: “Please check and clean the filter cup! ”or “Filter cup is full, please clean!”, Please check the filter [3] [4]and clean it immediately, then press any key to exit. Otherwise maybe damage the machine.

Announcements on Clinical



Freezing fat machine can freeze fat ,at the same time, it may have the following risks:

- 1.Now research shows that individual who has skin without cold-resistance will have cold injury phenomenon when chose -5 degree or below. We suggest 5-0 degree for this kind of crowd.
- 2.For customers who use for the first time, they shouldn't choose below -8 °C. -8 °C to -10 °C is suitable for fat layer thickness reaching 55mm or more .Please don't use it if the fat is less than 55mm, or it will have risk of cold injury.
- 3.If the liquid in anti-freezing membrane is too little (Normal is opening the package, you can see there is little liquid in bag or the membrane is very moist),please do not use. Abundant liquid can well protect the skin from been frostbite.
- 4.Please check if the anti-freezing membrane can fully cover the treatment area. The skin will have cold injury in 2 minutes without the membrane.
- 5.For sucking in the skin at the beginning of the treatment, you can choose vacuum pressure(40-70kpa), after 3 minutes, please adjust pressure to 40kpa, long time in high pressure(60-80kpa) during the treatment will increase the risk of skin blisters.
- 6.Coldinjury phenomenon:

Check the therapeutic part and you may have cold injury if the skin becomes harder or has lump, please use warm towel (42 degree) to cover the skin for 10 minutes. The treatment part will have blebs, skin will scab after the bubble bursts, keep cold injury wound clean and dry, apply frostbite cream for a few days and the wound would heal.

Another processing Method of deal with bleb:

Because of frostbite, if you have bleb, mild only prevention of infection. Severe should aseptic puncture fluid, coated with Basic Violet 3 of 1% -2% is ok.

Contraindications



- Liver problems;
- The Raynaud's disease;
- Severe cold urticaria;
- Cryoglobulinemia;
- Cold fiber hypoproteinemia;
- Severe frostbite;
- Severe diabetes and the elderly, young children, frail and so intolerant of cryotherapy;
- Patients with physiologiactal hypotonic.






Technical Parameters

- 1.Input: 220V/50Hz ☐ 110V/60Hz ☐
- 2.Power: 800 VA
- 3.Heat: 37℃ ~45℃
- 4.Cryo: 5℃ ~-10℃
- 5.Vacuum: 10~80Kpa
- 6.Light: Red (630nm) Green (570nm) 50mWX4
- 7.Cooling liquid: Pure water or special coolant
- 8.Volume: 44cmX48. 5cmX98cm
- 9.Fuse: T3. 15AL250V
- 10.Ambient temperature: 5℃ ~40℃
- 11.Relative Humidity: ≤80%
- 12.Atmospheric pressure: 86KPa~106KPa
- 13.Standard: GB 4706.1.2008

Package List

- | | |
|---|-------|
| 1.Host | 1pc |
| 2.Cooling fat dissolving handle | 1set |
| 3.Heart rate tester | 1pcs |
| 4.Emergency stop switch | 1pcs |
| 5.Fat calipers | 1pcs |
| 6.Rotating support bracket | 1pcs |
| 7.Pillar support bracket | 1pcs |
| 8.Two pieces of liquid addition accessory | 1set |
| 9.Power supply line | 1pcs |
| 10.Band ties | 1set |
| 11.User manual | 1copy |
| 12. Operating CD | 1pcs |
| 13.Black sealing ring | 10pcs |
| 14.M5 hexagonal screw driven | 2pcs |
| 15.M6 hexagonal screw | 1pc |

Symbols and meaning

Warning Symbol	Meaning
 Danger	If used incorrectly will bring the risk of death or serious injury.
 Warning	If used incorrectly will cause the possibility ill of deaths or serious injury.
 Attention	If used incorrectly will cause personnel injury or damage to the goods.
 Danger	Device exists high pressure risk of high voltage output terminals
 Attention	If used incorrectly will cause personnel injury.

Things damage refers to housing, property, livestock and pet damage.

Contraindications



1. The following symptoms were forbidden to use
 - (1) Patients who used by Heart rate regulator, cardiac pacemaker, ECS (electro-cardioscanner);
 - (2) The use of artificial bone;
 - (3) Patients with silicosis;
 - (4) Drunk or high fever patients;
 - (5) Patients with higher sensitivity mental disease and epilepsy patients
 - (6) Patients with no independent expression consciousness and can not take care of themselves.
 - (7) Patients with metal materials in body (including metal teeth), pregnant women, cachexia, malignant tumor.
 - (8) Severe hypertension and severe patients with cardiovascular and cerebrovascular disease.
 - (9) Patients with renal failure.
 - (10) Patients with severe infection



Danger

2. The following please use under the guidance of professionals
 - (1) Women during menstruation;
 - (2) Children;
 - (3) Hemorrhagic disease or trauma, inflammation, skin disease, skin infection;
 - (4) Patients with feeling numb, no response to cold and heat;
 - (5) The immune system has defects, scar formation history, physical disease;
 - (6) The people who has taken face-lifting or her body has artificial thing.



Warning

Attention

1. First check the host, accessories, power supply line is broken or not before use.
2. Start the system, in addition to television, refrigerator, Do not open electrical power device at the same time.
3. Before use, please take the hearing aid, electronic wristwatch, magnetic card, mobile phone and other things off first. Pay attention to the child's care to avoid touching.
4. During the using process, drink more water based on your physical.
5. In case of happen special circumstances or accident, please immediately stop using and consult professionals.
6. Patients with following medical electrical device cannot use this system at the same time.
 - Patients who implantable cardiac pacemaker, heart rate regulator and other electronic devices.
 - Artificial heart lung device and other device to sustain life.
 - Patients with ECG scanner device .
 - Patients with metal materials in body (including metal teeth), using artificial bone.
7. The following user should be agreed by the professionals before using this device.
 - Patients with acute disease.
 - Patients with malignant tumor.
 - Patients with Infectious disease.
 - Pregnancy women.
 - Cardiac disease.
 - Patients with high fever.
 - Being treated or physical abnormalities.
8. Please immediately turn off the power supply and stop using if following abnormal situation happened.
 - (1) Water and other matter into the host.
 - (2) Host, power supply line, accessories line and plug etc. occur the abnormal heating, leakage.
 - (3) The sound to be unusual.
 - (4) Abnormal smell, smoke.
 - (5) Any accessories damaged.
 - (6) Natural disasters and earthquake, the sudden thunder
9. When the treatment is finished, please cut off the power supply, be sure to unplug the power plug from the power socket.
10. Please check the power supply line, accessories line carefully every time before use, if found damaged, you should stop using and replacing it.
11. Transportation and storage conditions:

Transport according to the requirements of the order contract, the transport process should be to prevent the sun and rain; packaged equipment should be stored in relative humidity of not more than 80%, no corrosive gas and ventilated room.
12. The warning mark produce in the specification, its purpose is to enable you to safely and correctly using this device, and to prevent you and others to injury.

Maintenance

1. Appliances and medical equipment close to the machine may be resulting in operational failure due to Interference.
2. Prohibit use of the equipment in the following environment
 - Hot and humid environment
 - Dusty environment
 - Environmental with much smoke or steam
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 by yourself.

4. Exclusion of liability.

The Company is not responsible for the following circumstances:

- (1) If fire, earthquake, war occurred;
- (2) The fault of the user, operator error;
- (3) Damage caused by using other method (not included in the use manual).
- (4) Operate without the manual's guide.



Held onto the filter with hands, pull it out according to cursor. after cleaning, push it back.

5. After using the machine for over 40 hours, please take off the dust filter and clean it (If have).
6. Do not make the machine close to the wall, keeping a 30CM space around for cooling.

Safety and Environmental Considerations

Hazardous Substances or Elements Contained in the Product

Part Name	Toxic and Hazardous Substance or Element						NOTE
	Lead (Pb)	Mercury (Hg)	Cadmium (Cd)	Hexavalent chromium (Cr(VI))	Polybrominated biphenyls (PBB)	Polybrominated diphenyl ethers (PBDE)	
Plastic parts	○	○	○	○	×	×	
Metal structures / decorations	×	○	○	○	○	○	
Printed Circuit Assembly	×	○	○	○	○	○	
Power Line	×	○	○	○	○	○	
Power cord	×	○	○	○	○	○	
Relay	○	○	×	○	○	○	
Buzzer	×	○	○	○	○	○	

- ✗ Toxic and hazardous substance in at least one homogeneous materials of the part exceeds the concentration limit requirement described in SJ/T11363-2006.
- Toxic and hazardous substance in all the homogeneous materials of the part is either below the concentration limit requirement described in SJ/T11363-2006 or is not applicable because the part is not used.
- Products to be discarded after use, Please treat in accordance with electronic and information products recovery, re-use legal regulations.

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.

Simple Troubleshooting

When the device appears fault during the operation, the user could diagnose and rule out some simple questions through the following guides. If still not resolved, please call our Customer Service Department for consulting as soon as possible.

1.Nothing happens when turning on the general power switch.

- (1)Ensure that the AC power is normal or not.
- (2)Ensure that the power supply line is broken or not.
- (3)Ensure that the fuse is normal or not.

2.The touch screen failure.

(1)Touch screen click on invalid:

May be the touch screen is pressed, please gently press the four corners and the center of the screen, then turn off the instrument, wait for one minute, then restarts it.

(2)Positioning error of touch screen:

Turn on the instrument, enter interface of calibration. If the problem still exists, please call the Customer Service Department.

(3)If the touch screen is broken, please call the Customer Service Department.

3.Touch screen display error:

Please turn the power off, wait one minute after a reboot, If the problem still exists, please call the Customer Service Department.

4.After starting, the screen displayed:

E0:Connection failure between display control board and handles control board.

Please check whether the plug of cooling fan dissolving handle connect well or not, and then reboot.

E1:Connection failure between display control board and function control board.

May caused by the loose connection between display control board and function control board. Please call the Customer Service Department and operating under their guidance.

Err4/5:The temperature sensor of left/right is out of work, please get away from the working head to avoid burning.

(1)If the temperature deviation of the work piece in left / right handle is too large, that may cause alarm. At this moment, Please back the handle and judge the work piece is work after no-load for 30 minutes and observing the left / right work piece freezing.

(2)Temperature rises after power on may cause the alarm:

①Start cooling, heat the work piece and then the temperature slowly increased, if causing alarm, please check the coolant level window [2] if below the water line, or abnormal coolant, re-join the coolant.

②1 to 2 minutes after power on, the abnormal temperature rise without refrigeration process. If causing alarm, please replace the handle for the broken handle.

Err17/18:Fault of No.1/2 water sensor, please add water!

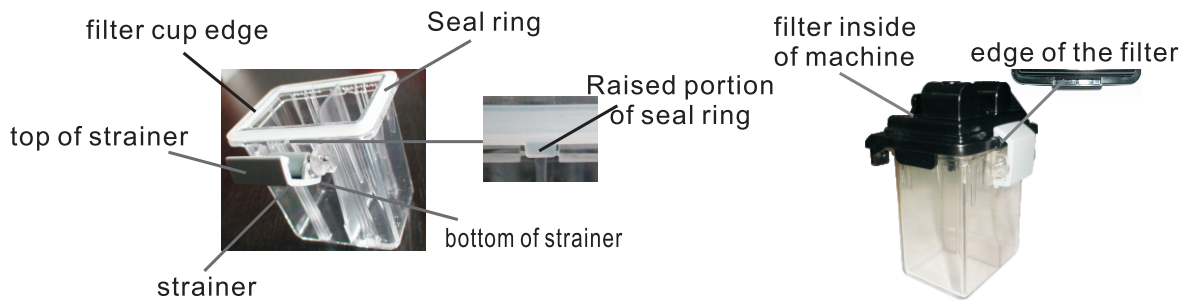
(1)Check whether the connection of the equipment to handle is being pressed or folded please.

(2)Check the coolant level window [2] of the instrument back panel, if lower than 4.5, add water please.

(3) If the problem still exists, Please read the add coolant steps and cautions, add the coolant again. (Refer to page 6)

Filter cup Remove&Install Method

Filter cup structure



Removing the filter cup operation:

1. Your fingers against the strainer bottom, as (Fig 1) shows.
2. Pull the bottom of strainer, as (Fig 2) shows.
3. And then hike up the strainer, be sure it fully opened, as (Fig 3) shows, take off the filter.



(Fig1)



(Fig2)



(Fig3)

Install filter cup operation:

1. The filter cup slanting inside the host frame, be sure the filter cup edge connect well with filter. as (Fig 4) shows.
2. lift the filter cup to close the filter. as (Fig 5) shows.
3. Make the strainer hold the edge of the filter and press the lower side of the strainer inward. as (Fig 6) shows.
4. Installation finished, check whether connect the filter cup and filter well. as (Fig 7) shows.



(Fig4)



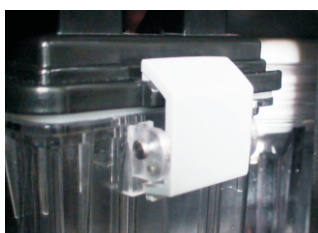
(Fig5)



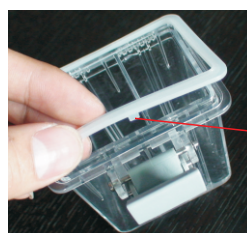
(Fig6)

Replace the seal ring method:

1. Put the seal ring in without raised portion in the slot of the filter cup edge. as (Fig 8) shows.
2. Aim the raised portion at the nick up towards filter cup strainer, put seal ring well along the filter cup edge. as (Fig 9) shows.

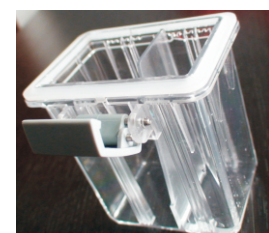


(Fig7)



(Fig8)

Raised portion
of seal ring



(Fig9)

Q&A about Freeze Fat dissolving Method(1)

Q1:What is the process of the freeze fat-dissolving method?

A1:Complete the treatment table — Ask and check the physical condition — Locate the treated area — Paste antifreeze membrane — Begin to treatment — Having a rest after finished, if no discomfort you could leave.

Q2:How does the freeze fat-dissolving method work?

A2:Frozen wave controlled by non-invasive launcher precisely work on the treated parts, in particularly the parts of the body that need to remove the fat cells. the whole Process lasts about 1 hour.

Q3:What are the characteristics of ETG50-4S cool fat-dissolving method ?

A3:The second generation of freeze fat-dissolving method is developed by BECO Technology and obtain patent: according to the first generation of pure freeze system that will cause blood coagulation and tissue necrosis damage, we improve to a safe fat dissolving method that heat the skin first, make the blood and fat completely separation and then began to the freeze fat dissolving treatment. Especially we can do two parts in the same period of treatment. It saves time and also obtain good effect.

Q4:what reactivity of the fat cells?

A4:When fat cells are exposed to precise cooling, they trigger a process of natural removal that gradually reduces the thickness of the fat layer. And the fat cells will be removed through the body's normal metabolization process mildly.

Q5:What is common reaction after treatment ?

A5:The treatment is completely non-invasive, allows real-time normal activities such as work or sports. Treatment area may be red, the situation may last several minutes or several hours. It may also lead to local bruising and will subside within a few weeks. Some patients will feel a little non-sensitive of the treatment area, it will subside in one to eight weeks .

Q6:Dose the treatment pain?

A6:Most of treatment course feels comfortable . In clinical trials, no treatment need to use anesthesia or pain medication, the patient can usually read freely, use computer, listen to music, or have a rest.

Q7:How long the effect will maintain?

A7:It depends on personal diet habits and vary with the corporeity. The efficacy after the treatment could maintain at least 1 year in the user of reducing fat layer .The removed fat cells will gradually release the lipids and absorbed by natural metabolism of the body. We expected that the removed fat cells returned to the treatment area are more slowly than the invasive treatment such as liposuction. However, irregular diet will lead to weight gain and may affect the treatment results .

Q8: Which group is suitable for this therapy?

A8:Postpartum abdominal relaxation, regular exercise but no effect on thin waist, abdomen. Busy life and no time do exercise. Stool hoarding gastrointestinal squirm slowly. Can not refuse the temptation of delicious food. People non-severe obesity who want to sculpture the fat of waist / belly and back fat.

Q&A about Freeze Fat dissolving Method(2)

Q9:What is different from other with other dissolving fat methods?

A9:Liposuction:

Benefits: one time can take away a lot of fat.

Notice: need general anesthesia whole body, may be leave scars, or appear body asymmetry, and a risk of fatal .

RF energy or strong sound waves fat exploded:

Benefits: it can deal with the deep fat.

Notice: maybe damaged normal cells and feel pain.

Freeze fat dissolving method:

Benefits: no harm normal cells .

Notice: You must control the need treatment area accurately, and appear swelling after treatment.

Q10:how long a treatment last?

A10:Each course last about one hour, we recommend doing 2-3 treatments every two or three months.

Q11:Does the course has a recovery period?

A11:The freeze fat dissolving method is non-invasive treatment, both before and after treatment will not affect normal lifestyle, office ladies even can do treatment at noon break.

Q12:What is the feeling during the treatment?

A12:Using of exact computer program to control the temperature accurately within the safe range.

The first 3~5 minutes you have warm feeling, than the treatment area will feel cold gradually.

In clinical experience, no one needs to use medication for pain because of no invasive wound, therefore we will not feel painful unlike other liposuction surgery. At the very beginning of treatment, there will be a little discomfort when the work head absorb fat powerfully, but soon will disappear. After a while you will feel a little cooling paralysis, there is no special feeling. During treatment you could play computer, read or take a nap.

Q13: which group are not suitable for freeze fat dissolving method?

A13:People who have liver problems, the Raynaud's disease, severe cold urticaria, cryoglobulinemia, cold fiber hypoproteinemia, severe frostbite, hernia disease, severe diabetes and the elderly, young children, pregnant woman, frail and so on frozen not tolerate the treatment.

Treatment table

Name		Sex		Age		NO:
Height		Weight		Heart rate		

Ask before treatment:

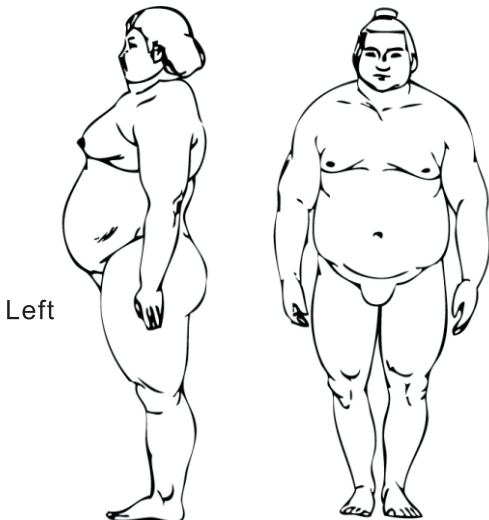
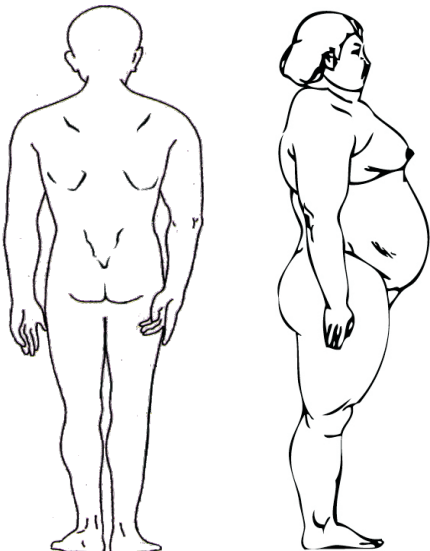
- | | | |
|---|------------|-----------|
| 1. Have liver disease or not? | Yes [] | No [] |
| 2. Have Raynaud's disease or not? | Yes [] | No [] |
| 3. Have severe diabetes or not? | Yes [] | No [] |
| 4. Have cold hyperfibrinogenemia or not? | Yes [] | No [] |
| 5. Have cryoglobulinemia or not? | Yes [] | No [] |
| 6. Have serious cold urticaria or not? | Yes [] | No [] |
| 7. Have surgery during the year or not? | Yes [] | No [] |
| 8. Have done more than 2 parts of cryotherapy in a month? | Yes [] | No [] |

If any answer is yes, please do not accept this therapy.

Individual physical users may occur frostbite reaction, if not accept, please do not accept this therapy.

Customer Signature:

Date:

 <p>Left</p> <p>Mark the treatment area and assign a number</p>	<p>Part 1</p> <p>Treatment start date: D M Y</p> <p>Treatment time: min</p> <p>Temperature: °C</p> <p>-----</p> <p>Countercheck 2 months after treatment:</p> <p> Good effect [] Ordinary []</p> <p>The second course start date: D M Y</p> <p>Treatment time: min</p> <p>Temperature: °C</p> <p>-----</p> <p>Countercheck 3-6 months after treatment:</p> <p> Good effect [] Ordinary []</p> <p>Please take photos before and after treatment</p>
 <p>right</p> <p>Mark the treatment area and assign a number</p>	<p>Part 2</p> <p>Treatment start date: D M Y</p> <p>Treatment time: min</p> <p>Temperature: °C</p> <p>-----</p> <p>Countercheck 2 months after treatment:</p> <p> Good effect [] Ordinary []</p> <p>The second course start date: D M Y</p> <p>Treatment time: min</p> <p>Temperature: °C</p> <p>-----</p> <p>Countercheck 3-6 months after treatment:</p> <p> Good effect [] Ordinary []</p> <p>Please take photos before and after treatment</p>