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# 360cryo+EMSlim



User's manual

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## WARNING

Dear users:

Thank you for choosing the apparatus designed and manufactured by the Company. In order to enable the product to function properly, we sincerely make the following recommendations:

- ◆ Before using the apparatus, please carefully read this manual and properly store it for prompt reference to it in future.
- ◆ Please install, use and operate correctly according to the requirements in the manual.
- ◆ Do not disassemble this unit or modify any parts of it.
- ◆ It is strictly forbidden to open and remove the cover and disassemble the main machine, unless otherwise authorized by the Company.
- ◆ Non-professional personnel are strictly forbidden to implement any maintenance and modification.
- ◆ In event that any failure happens during operation, please contact us in time.

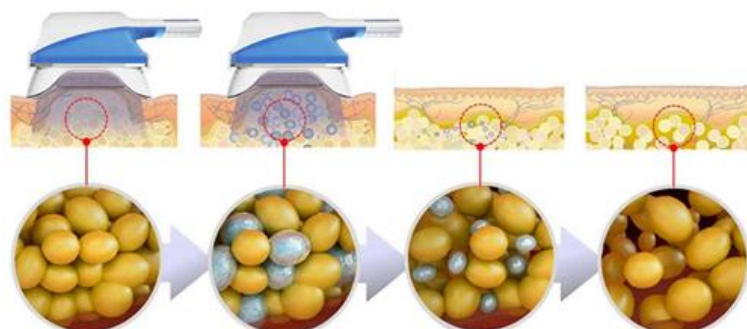
This product is not a medical device, and its intended use is not disease treatment!

## Summary

- By using HI-EMT (high energy focused electromagnetic wave) technology to expand and contract muscles, limit training, and deep remodeling of muscle internal structure, That is, the growth of myofibrils (muscle enlargement) and the production of new protein chains and muscle fibers (muscle hyperplasia) to train and increase muscle density and volume. HI-EMT 100% limit muscle contraction of the technology can lead to a large amount of fat decomposition, fatty acids from the decomposition of triglyceride outflow, a large amount of accumulation in adipocytes. Fat acidity is too high, fat cells apoptosis, in a few weeks by the body's normal metabolism out of the body.



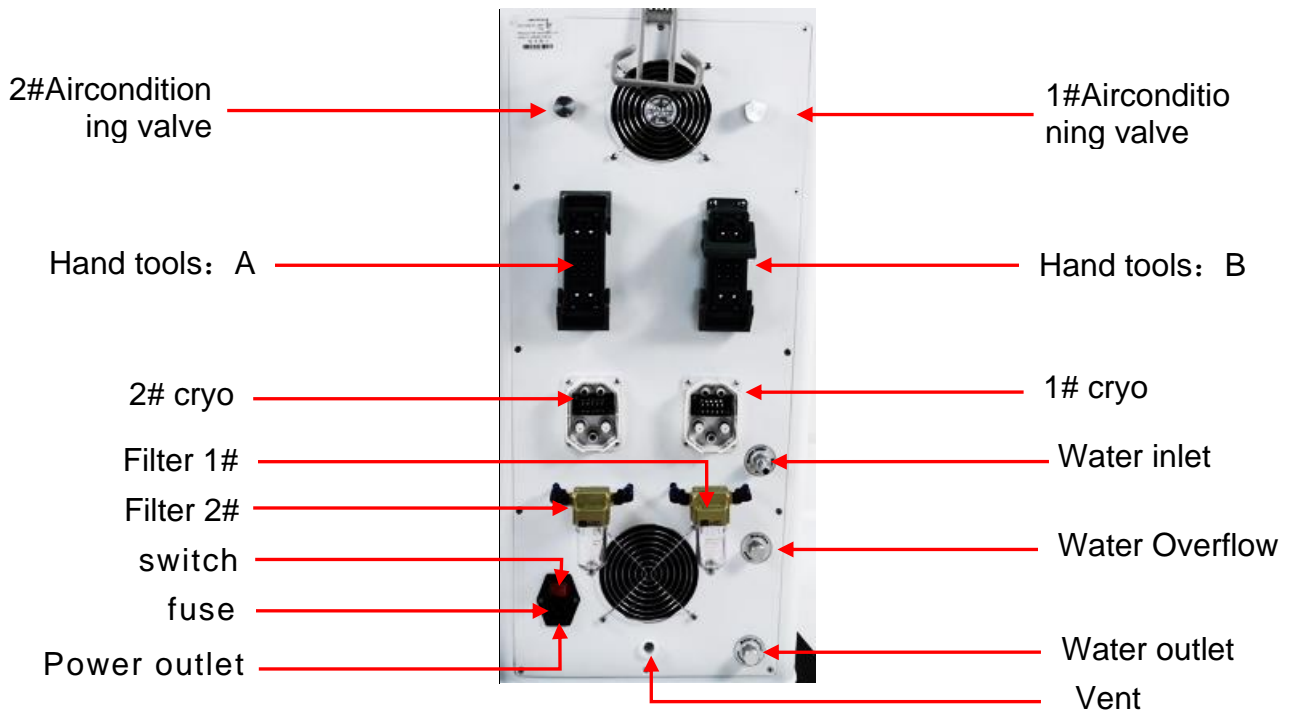
- The latest method of frozen fat is a new method that is more effective than other non-invasive methods. A revolutionary idea of dissolving fat. Studies have shown that subcutaneous lipid rich cells can be selectively affected by cooling subcutaneous tissue to temperatures below 10 degrees celsius. Lipid rich cells can be affected by rupture, contraction, damage, destruction, removal, killing, or other changes. Without theoretical limitations, it is believed that the high selectivity of lipid rich cells is that they do not induce crystallization in non lipid rich cells, and that highly saturated fatty acids are locally crystallized. The crystals break into double membranes rich in lipid cells, which selectively cause necrosis of these cells. Therefore, it is possible to avoid the damage of non lipid rich cells, such as dermal cells, at the temperature induced by crystallization in lipid rich cells. Through the local cold exposure induced by stimulation of the sympathetic nervous system, increased lipolysis. The optimum is about -10 DEG C to about 0 DEG C.



## Instrument composition introduction:



### Introduction to components



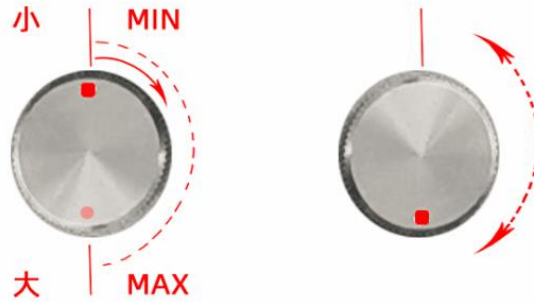
### Installation introduction

**Pay attention to:**How to know enough water input?

Please observe water spilt , water spill automatically from the water spilt, means enough water input.Then draw out water pipe and water funnel.

Water overflow (please open the cover when you are filling water)

### Airconditioning valve



For the vacuum, turn left is small , turn right is big

For the vacuum, turn left is small , turn right is big



Differential pressure drain

Clean up when the liquid exceeds half!



Sealing ring

Container cup

Twist left&Turn right

## Cryolipolysis introduce:

- ◆ What is 360 cryolipolysis? 360-degree full range of cooling and heating, freezing at minus 10°C to positive 45°C heating, 4 groups cycle modes for operation, parameters can be set flexibly; 8 pcs different sizes cryo handles are suitable for different size areas and body shape.
- ◆ Independent power supply control operating system, running more stable and safer;
- ◆ Intelligent identification of the induction socket, insert the wrong accessories automatically alarm prompts to avoid mistake;

- ◆ After the cooling system starts or stops, it will automatically circulate water for 1 minute to ensure cooling and Heat dissipation;
- ◆ Real-time environmental dynamic temperature control monitoring under the working condition of the freezing head;
- ◆ The refrigeration module adopts the frost-proof safety module and automatically thermostats;
- ◆ The water cooling module uses a high-flow water pump to ensure that the water cooling efficiency

### **Cryolipolysis handle:**

- 360° all-dimension surrounding cooling applicators
- The treating area is all-dimension cryolipolise Approach 100% frozen in full area
- A FREEZE CONTOUR PLUS treatment corresponds approximately 3 treatments with typical fat freezing devices
- Only 35 to 45 mins time each treatment needed instead of 60 mins . Save about half treatment time to treat more customers .



Easy to change cryo handle cups contours are securely fastened to the applicator quickly change contours for your next treatment



**Handle size of cooling area as below :**



**Large cryo handle size:**

**1#195\*85mm;2#210\*90mm;3#215\*100mm;4#230\*105mm**

#3/#4 APPLICATOR:for flanks.curved cup design allows for better placement and fit on curved or narrow parts of the body.

#2 APPLICATOR:best matches with the contour of abdomen.most commonly used applicator used for this area.



**Small cryo handle size:**

**1#140\*70mm;2#155\*80mm;3#165\*90mm**

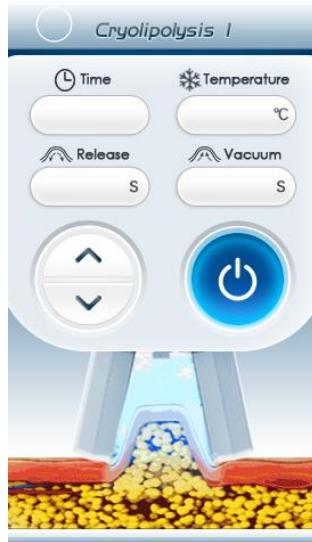
#1 APPLICATOR:ideal for longer vertical areas of fat(I.E.abdomen and flanks).also suggested for the arms.



Mini cryo 5: handle size: 80\*40mm

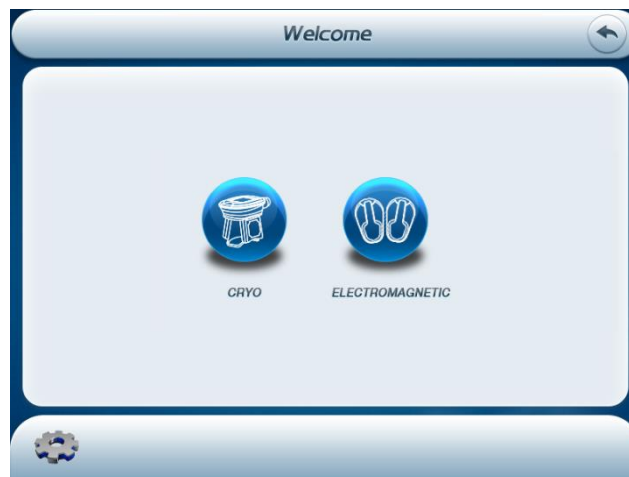
# Operation interface

## Cryo handle screen:



Please touch anywhere to enter the function screen!

## Home screen interface:



Please choose one function to enter next screen.





- ◆ Please analyze the fat part status, then according to it, to adjust the Intensity, vacuum
- ◆ release time and working time.
- ◆ vacuum setting: 0.5s ~9.0s according to the customers need.
- ◆ release setting: 0s~4.0s, according to the customers need.
- ◆ time setting: 1~60min, according to the customers need.
- ◆ cooling temperature: -10 °C to ~45°C, according to the customers need.



- ◆ Then click the key of “  ” to start operation

**Note:**

**1.cryo1 and cryo2 can be working together.**

**Remark:**

1. The screen of the instrument is bright, when the cryo handle is inserted, there will be a sound of a 'drop'. When two cryo handles are connected at the same time, there will be two sounds of the 'drop'. When hearing the sound of 'drop' indicates that the host machine recognizes the handle. The cryo handle can be started normally after the host recognizes the frozen handle.

2. When the screen of the instrument is bright, taking off cryo handle, there will be also hear the sound of 'drop'

**Something need to note on replacing the cryo handle:**

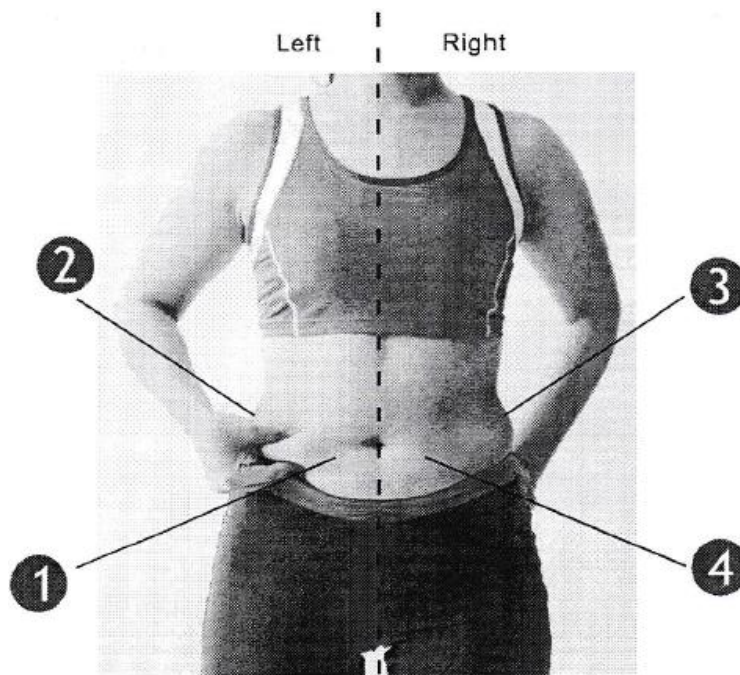
1. Firstly inserting one of the cryo handles, and start the instrument, and then hear a sound (drop), indicating that the cryo handle has been recognized by the host.

2. After Shutting down machine, insert another cryo handle that needs to be operated.

3. After inserting the second cryo handle, and start the machine. When hear two sounds(drop) from host, means that the host has recognized two cryo handles. Customer can be operated after identification.

**3.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 (Fig) shows: if you operate of part①, you can not operate the part② or part④, so you can only operate part③. 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.



4. Patients using the following medical electrical equipment can not use the system.

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

5. The following patients should be agreed by the professional doctors before using the device.

- 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;

### **Announcements on Clinical:**

Cryoliposis system can freeze fat, at the same time, it may have 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 -9°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.Cold injury 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 wil 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.

### 4.Another processing Method of deal wih bleb:

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

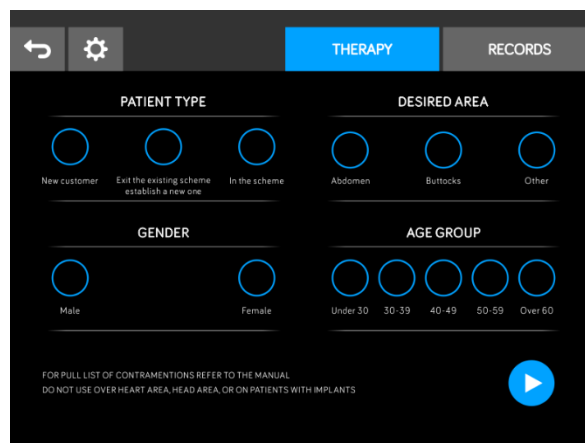
## EMSlim introduce

### Operation process of the instrument interface



After the device is started, enter into the mode selection interface

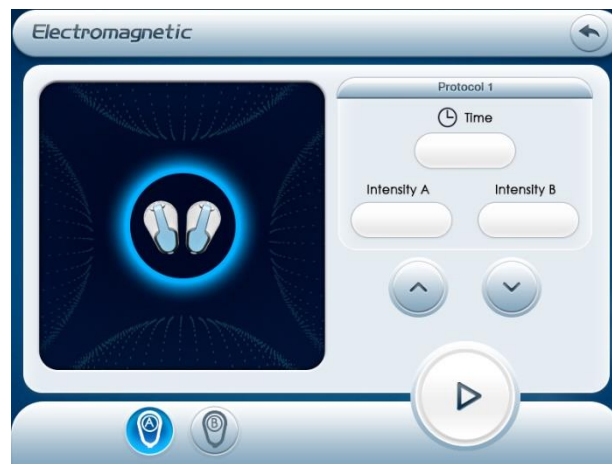
select automatic mode (PROTOCOL1) or manual mode can enter (PROTOCOL2)



enter into the selection interface



- gender/age/position
- Choosing the corresponding gender and age;

- After selecting the corresponding part according to the part to be treated, click to enter the working interface.








According to the automatic selection click in enter the automatic working interface Introduction of automatic working interface: (Automatic mode interface) , Before operation,Setting the intensity, rang from 1% (weak) to 100% (strong)

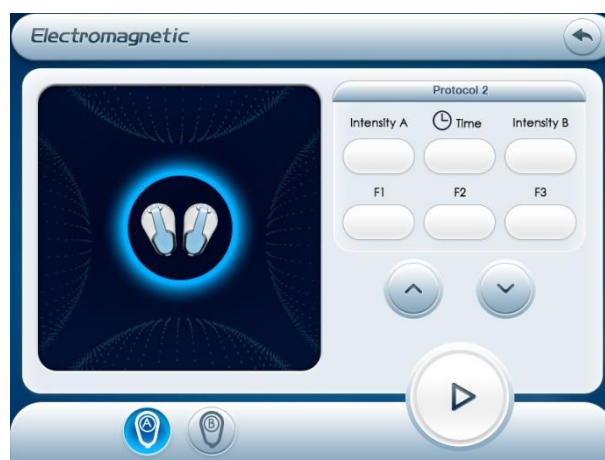


: A /B handle intensity, click  and  of intensity setting to adjust.



Set intensity before operation ,The treatment starts from low intensity, and should be gradually increased according to the patient's tolerance.

Setting the working time. The default working time of system is 30 minutes, click  and  to adjust. The time range can be adjusted from 1 to 30 minutes, and the operation of each part is about 30 minutes.

•Click “” to start, if you need to pause, please click “” ,click “” to return to the previous interface.



According to the automatic selection, introduction of manual working interface:

• Setting the frequency F1-F3. click  and  to adjust the output frequency, the range as below:

【F1】 : The intensity range is 0HZ (weak) to 100Hz (strong);

【F2】 : The intensity range is 0HZ (weak) to 100Hz (strong);


【F3】 : The intensity range is 0HZ (weak) to 100Hz (strong);

Before operation, set the frequency parameters according to the required frequency. F1 frequency works for 1 minutes, F2 frequency works for 1 minute, F3 frequency works for 1 minutes. During operation, the F1, F2, and F3 frequencies will cycle in turn.



The recommended parameters are 65Hz for F1, 20Hz for F2 and 85Hz for F3.




• Setting the intensity, rang from 0(weak) to 100 (strong)



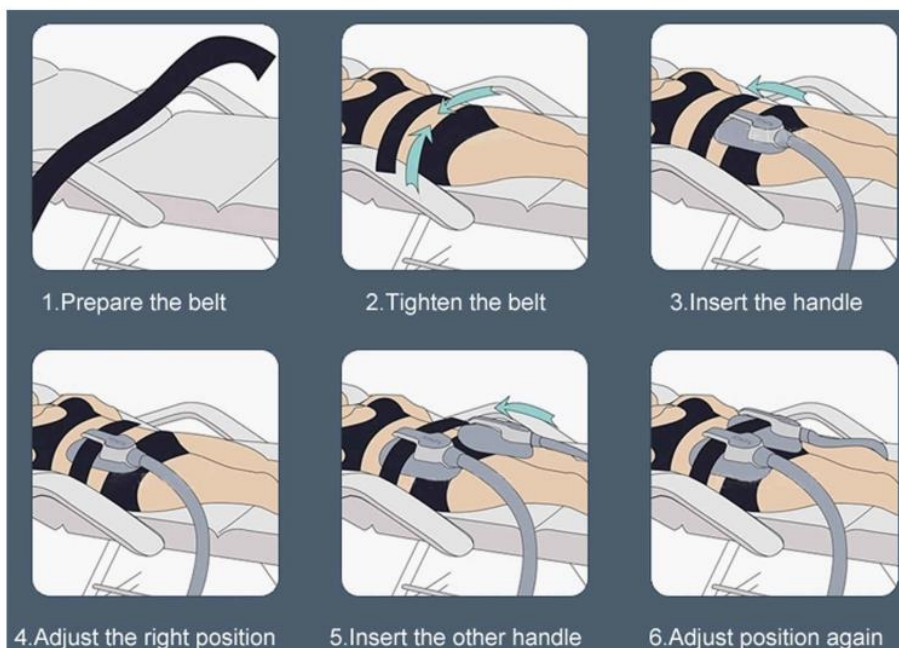
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•Click “” to start, if you need to pause, please click “” ,click “” to return to the previous interface.

#### SCHEMATIC DIAGRAM OF HAND TOOLS



Note: Clean the parts that need to be operated; Adjust the intensity/time; Align the handle with the operating part and press the work button on the screen to start the operation;

Note: Clean the handle each time after use, and gently place the handle on the handle holder;

### **precautions and contraindications:**

- 1、 Don't operate head, neck/carotid artery, wealth bag position, or near the thoracic gallery;
- 2、 The two handles cannot work against each other;
- 3、 The healer should not carry any metal objects;
- 4、 Don't be full during treatment, and treat at least 1 hour after meals;
- 5、 The operation site and treatment probe should be dry without water;
- 6、 The operating energy varies from person to person and increases gradually from low energy;
- 7、 The total operating time of a day does not exceed 1.5 hours, and one part does not exceed 1 hour;
- 8、 Do not put any electronic products or metal objects on the instrument during operation.
- 9、 Don't eat or enter water during operation;
- 10、 After the end of the operation, try to eat again after 1 hour (drink more water and eat food with high protein content);
- 11、 Those people with the following conditions cannot receive treatment:
  - ▲ The project should avoid menstruation, pregnancy and lactation;
  - ▲ Those patients with heart disease, hypertension, thyroid, malignant tumor, renal failure, epilepsy and muscle strain should be used cautiously;
  - ▲ Those people with metal or electronic implants (metal contraceptive ring, cardiac pacemaker, cardiac defibrillator, nerve stimulator, drug pump and stent) should be used cautiously;
  - ▲ Those patients with thrombophlebitis, cerebrovascular disease (stroke patients), brain injury or with brain surgery should be used cautiously.

## Technical parameter

- ✚ Power supply mode: AC220V±10%、50HZ
- ✚ AC110V±10% 60HZ
- ✚ Rated power: 3000W
- ✚ POWER: 2.3KVA
- ✚ OUTPUT INTENSITY: 0-7TESLA
- ✚ SHAPE OF STIMULATION PULSE: HI-EMT
- ✚ PULSE: 300μs
- ✚ Negative pressure: 0-80Kpa
- ✚ Cooling : -10to ~+45°C
- ✚ Cryo Quantity: 3 pcs
- ✚ Coolant: Purified water or special coolant Ambient
- ✚ temperature: 5°C-40°C
- ✚ Relative humidity: ≦80%
- ✚ Touch screen: 10.4 inches
- ✚ Packing size: 116\*62\*74cm
- ✚ GW: 74kg

## Annex list

|                     |       |
|---------------------|-------|
| ◆ mainengine        | 1pc   |
| ◆ powerline         | 1pcs  |
| ◆ Instructions      | 1copy |
| ◆ accessoriesholder | 1set  |
| ◆ bandage           | 1set  |
| ◆ Big Cryo handle   | 1Pcs  |
| ◆ Small Cryo handle | 1Pcs  |
| ◆ Mini Cryo handle  | 1Pcs  |
| ◆ EMS handle        | 2pcs  |

## Other Taboos

1. It is forbidden to use the following symptoms :

- Equipped with cardiac pacemaker and pacemaker patient ;
- The use of artificial bone, silicosis patients ;
- Drunk and high fever patients ;
- Patients with severe mental illness and epilepsy ;
- No independent self consciousness, no self-care ability ;
- Patients with severe hypertension and cardiovascular and cerebrovascular diseases ;
- Pregnant woman, malignant tumor, a person with metallic materials (including metal teeth);
- Dysfunction of immune system and failure of renal function ;
- Severely infected person ;



2. The following groups will be used under the guidance of professionals :

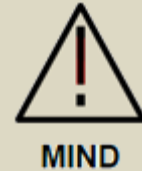
- Menstruating women ;
- Children;
- A person or person whose skin is traumatized or infected;
- Dysfunction of the immune system ;
- An area where cosmetic surgery has been performed and artificial fillings have been placed in the body ;










## Icon symbols and its meanings:

1. Please check the main engine, accessories and power cord before use .
2. After opening the power supply, if the instrument is not started, the power should be switched off immediately and check whether the power cord is connected properly. If the connection is good, please unplug the power cord, and then check the power interface, fuse is blown. If the insurance needs to be replaced, it should be consistent with the current of the original insurance.
3. Please do not switch on large power equipment except for TV, refrigerator and other small power consumption apparatus.  
Please remove the headset, electronic watch, mobile phone and other electronic products before you take care.



| Warning signs  | Meaning   |
|--|---|
| <br><b>DANGER</b>   | Incorrect operation can cause serious injury or even death!         |
| <br><b>CAUTIOUS</b> | Incorrect operation may cause personal injury or even serious harm! |
| <br><b>MIND</b>     | Incorrect operation may cause equipment damage or personal injury!  |
| <br><b>DANGER</b>   | High voltage hazard!  |
| <br><b>CAUTIOUS</b> | Incorrect operation may cause personal injury!                      |

1. In the course of nursing, according to the physical needs, proper drinking water.
2. The working time of the instrument should not be too long, and rest should be suspended after each period of treatment, usually 20 minutes.
3. In the course of using, if the following abnormal situation, should turn off the power supply immediately, stop using:
  - Water or foreign bodies enter the body ;
  - The body, switches, power lines, sockets and other heating, leakage ;
  - Abnormal sound of instrument ;
  - Smell, smoke, etc ;
  - Attachment damage ;
  - When natural disasters such as thunder and earthquakes occur ;
4. After use, cut off the power supply and unplug the power plug when not in use for a long time.
5. The working head is not allowed to act directly on the eyes, so as not to hurt your eyes .|
6. The working head should be cleaned, sterilized and dried to avoid cross infection.
7. The purpose of the warning signs shown in the manual is to prevent you and others from hurting you and others by making you better aware of the performance of the product and for safe use.

