

Multi-Function Cryolipolysis Cavislim RF SYSTEM User Manual



Contents

Chapter 1 Safety System

1. Safety design	4
2. Electrical safety.....	4
Chapter 2 Descriptions And Installation	
1. Theory	5
2. Application.....	5
3. Installation	6-7
Chapter 3 Operate Interface Instruction	
1. User interface.....	9
2. Operation Process	10-16
Chapter 4 Treatment Tips	
1. Treatment Tips	17
2. Operation Tips	17
3. Treatment Setting	17
Chapter 5 Notice Before Using	
1. Notice before operation	18
2. Contraindications	18
Chapter 6 Maintenance	
1. Cleaning system	19
2. Maintenance Instruction	19
3. The usual problems and their solutions.....	20
4. Environmental protection and safety precautions.....	20
Technical Note.....	21
Technic Parameters.....	21
Accessories list.....	21

Honorable Clients

Thanks for your purchasing to our **Cryolipolysis** 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 authorization from the manufacturer.

★ 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

Cryolipolysis 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)

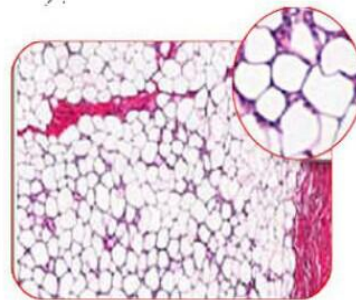
3 days post-procedure

- 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

2. Application

λ Inches loss

λ Cellulite reduction, weight loss

λ Shape body contour

3. Installation

λ Accessories



Cryo handles



Handle shelf



**Anti-freeze
membranes**



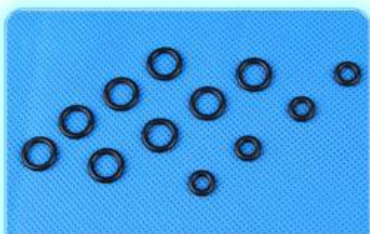
Fat caliper



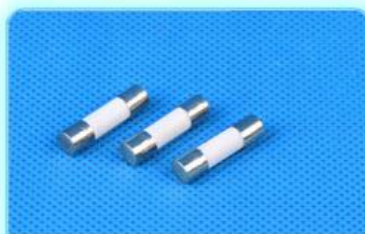
Funnel&Pipe



Screw&Driver



Seal rings



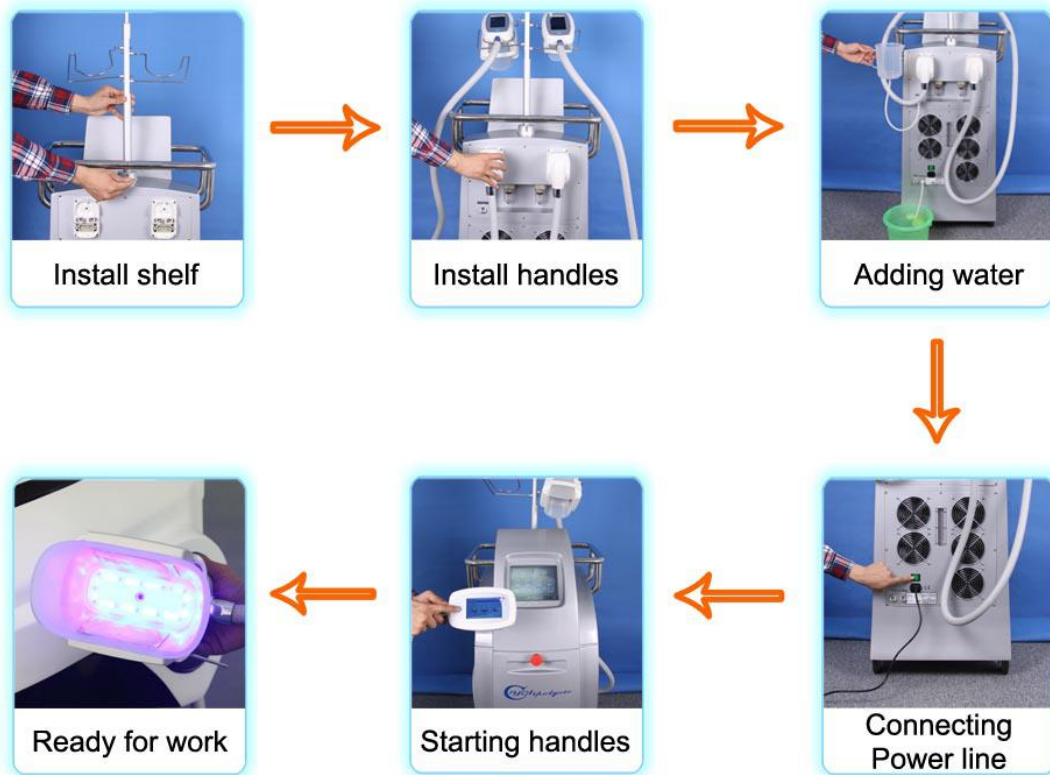
Fuzes



Power line



Installation steps



Note: The machine can detect when there is no connection with the handles, the machine will keep alarming and not be able to start.

Tips



Water outlet



Press
Start/Stop



Press
Emergency
Button

How to fill in and drain off water

To fill in water, connect two pipes to the water inlet and water overflow outlet first, then fill in 9L water, till the water level indicator is on 9L or there is water overflow from the outlet.

To drain off the water, connect two pipes to the water inlet and water drain off outlet, then the water inside will flow out.

ATTENTION:

1. To **avoid water leaking**, before installing the cryo handles, press  on both sides of the

handle, you will hear the sound which means the two pins  pop up, then the handle can be installed.





Chapter 3 Operate Interface Instruction

1. User interface

1. Prepare before starting the machine

Ensure the water tank is full of 9L water for cooling system

the power line has been connected correctly;

the hand piece is well connected with the equipment;

keep the emergency button with situation “OFF”

2. Turn on the back power switch button, interface will appear automatically with four flags to choose language (English, Russian, Spanish, Turkish) as shown in picture (Fig.1).

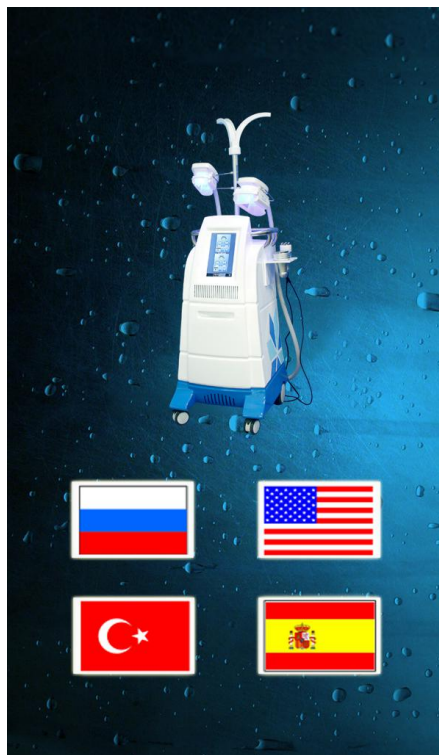


Fig.1 Home interface with four Languages

2. Cryolipolysis function

3. Click one functions interface



Fig.2 Home interface 3 functions

4. Click the CRYOLIPOLYSIS function, enter the interface to set the parameter.

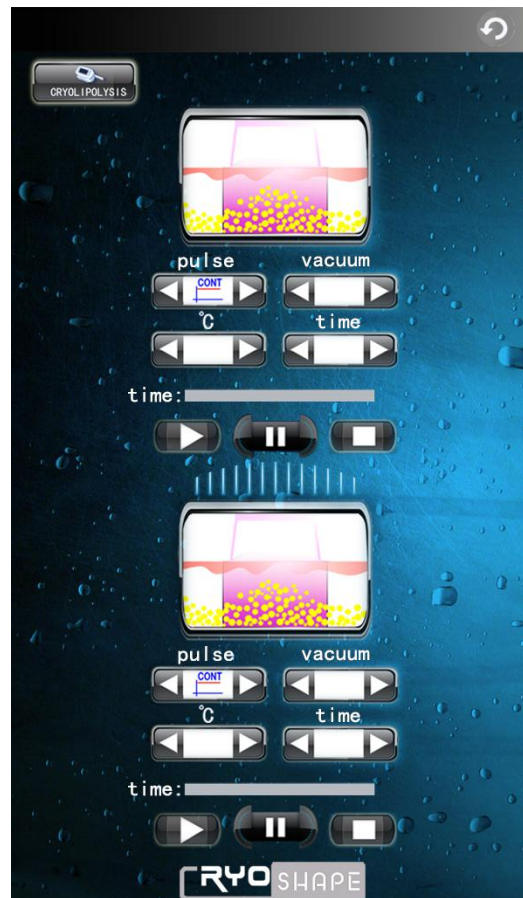


Fig.2 Operation interface for CRYOLIPOLYSIS

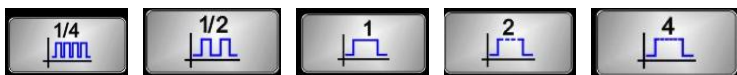
 return to home page (Fig.1)

 time progress strip, time strip color change from white to fully deep

color from 0-60 minutes.  start,  suspend,  stop.

 .Click "  " , to set vacuum intensity: from 25Kpa to 100Kpa with "  " "  " , increase or decrease by 15Kpa.

 .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 "◀", click "▶" to set the treatment temperature from 0°C ~ -16°C.



⑤. Click "▶" to set treatment time about 45~60 minutes.



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

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

⑧. Two cryo handles can work at the same time.

3. Display on working handle



. The treatment can start or stop by button on the handle , or button on the machine

screen:  start,  suspend,  stop

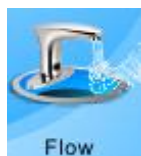
. The machine is designed with real cryo temperature, vacuum pressure sensor, and the cooling water flow inspection:



Cooling temperature



Vacuum Pressure



Water circulation in normal



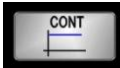
Water circulation disabled

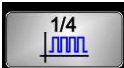
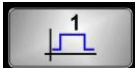
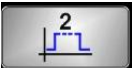
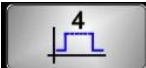
Note: When the water circulation is disabled, the handle will keep alarming for 30 seconds, after that the red cross won't disappear, the handle will keep working.

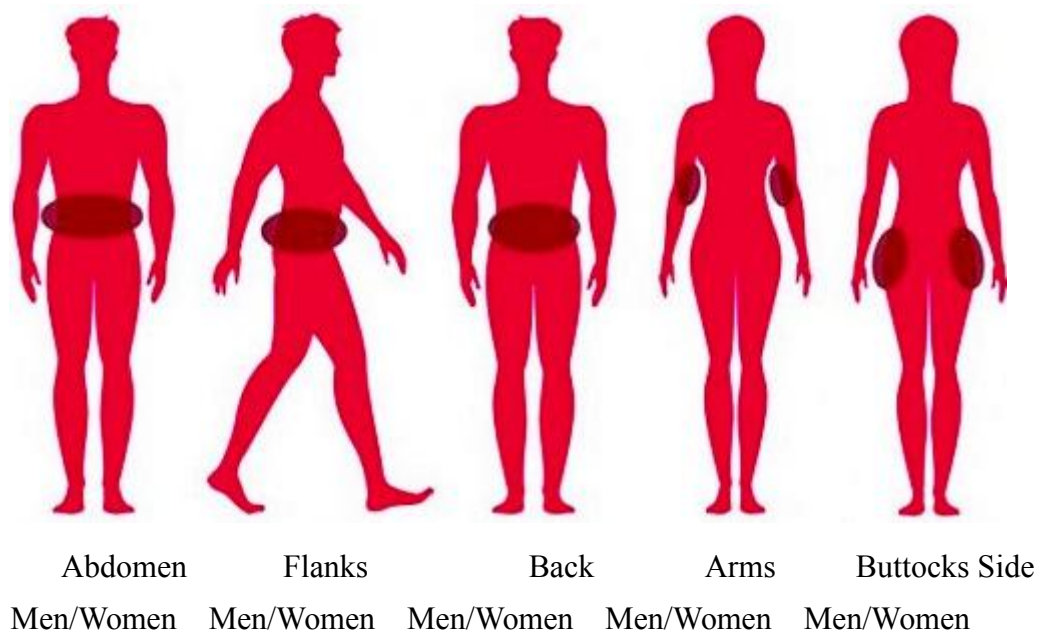
4. Operation Process for Cryolipolysis :

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.





2. RF function

Click the RF function, and enter the interface to set the parameter.

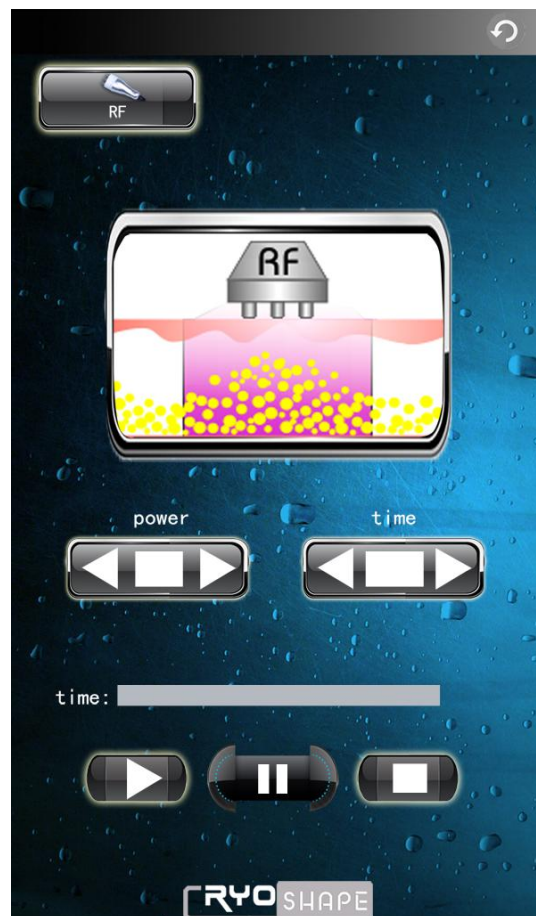
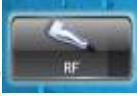


Fig.3 Operation interface for RF

- 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: weak ~ strong, If need, click , back to the (Fig.3), and choose cryolipolysis function, .
- ④. First, 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 (Neck, chin, cheeks, nose etc). Do not stay without being unmoved.

3. Cavitation function

Click the CAVITATION function, and enter the interface to set the parameter.

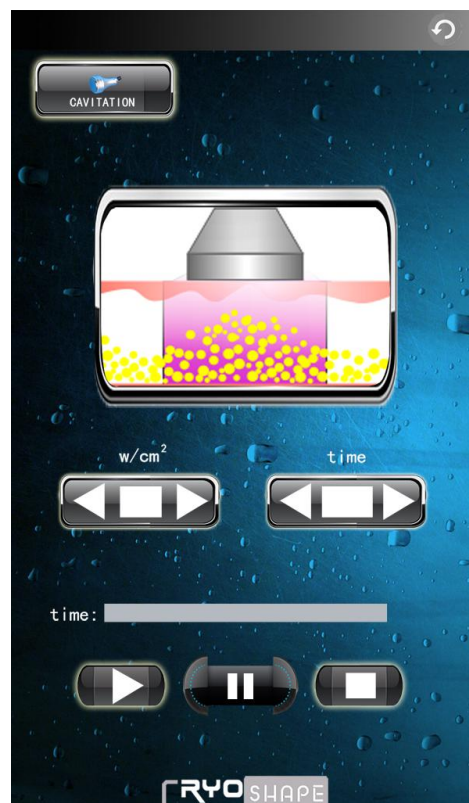


Fig.4 Operation interface for Cavitation

- ①. Click , enter the interface of Cavitation.
- ②. Click  to set the working time about 20 minutes.
- ③. Click  to set the working intensity: weak ~ strong, If need, click , back to the (Fig.4), and choose cryolipolysis function, .
- ④. First, 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 (Neck, chin, cheeks, nose etc). Do not stay without being unmoved.

Skin Antifreeze Membrane

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





Chapter 4 Treatment Tips

1. Treatment tips

- 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.
- For treatments on one person, two cryo handles can working at the same time.

3. Treatment Setting

Cryolipolysis

Treatment parts

back, waist, belly, arms, thighs, and buttocks

Treatment setting

1. Each treatment 50-60 minutes. The Mix interval time between two treatments is 30 days, four treatments as a full course.
2. According to the cellulite style and treatment part size, the treatment times can be increased to six or eight as a course.
3. For the cellulite on the waist, it needs several courses on multiple different parts.

Tips

1. The treatments in the full course should be on the same treatment part.
2. Different parts can be treated at same time, max four treatment parts at same time.
3. The treatment can only remove the extra fat.
4. The substantial weight loss should be taken into consideration, such diet and regular exercise



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
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

Technical Parameters

Voltage	220V/50Hz or 110V/50Hz or 110V/60Hz
Cryo output temperature	0 degree~ -16℃ degree
Vacuum output pressure	0-100Kpa
Cooling liquid	pure water, with 9L
Default working time	0-60 minutes
Power consumption	≤400W
Weight	45KGS(NW) / 65KGS (GW)
Machine Measure	118cm*50*49cm (165cm with shelf)
Outside Package	132*63*59cm

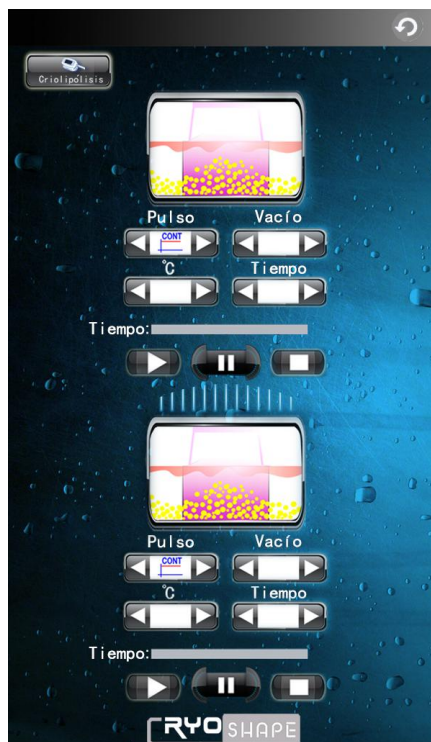
Accessories list

No.	Item	Quantity
1	Cryolipolysis handle	3

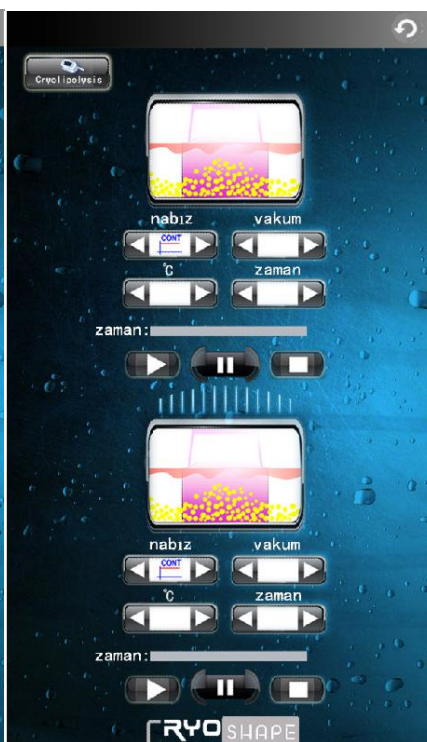
2	Flat head hex socket screws	4
3	Round head hex socket screws	3
4	Round head hex socket screw nut	4
5	Frozen head accessory rack	2
6	Allen driver	1
7	Hopper	1
8	Spare rubber ring	2 set
9	Backup fuse	2
10	Fat callipers	1
11	Frozen head bandage	1
12	power line	1
13	Antifreeze membrane	5
14	Rf handle	1
15	Cavitation handle	1

Machine with other Languages;

Spanish



Turkish



Russia Languages

Case with Metallic Shelf

