Cryo XCool Plus2

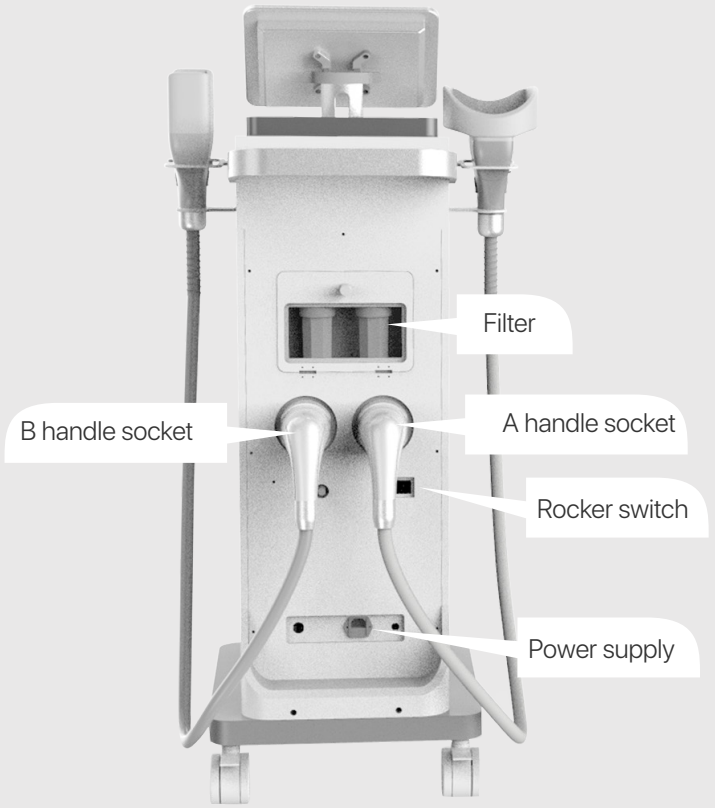
Cryolipolysis

- 360° cooling technology.
- Non-invasive fat reduction.
- Any treatment area at any angle.

DISPLAY

DISPLAY

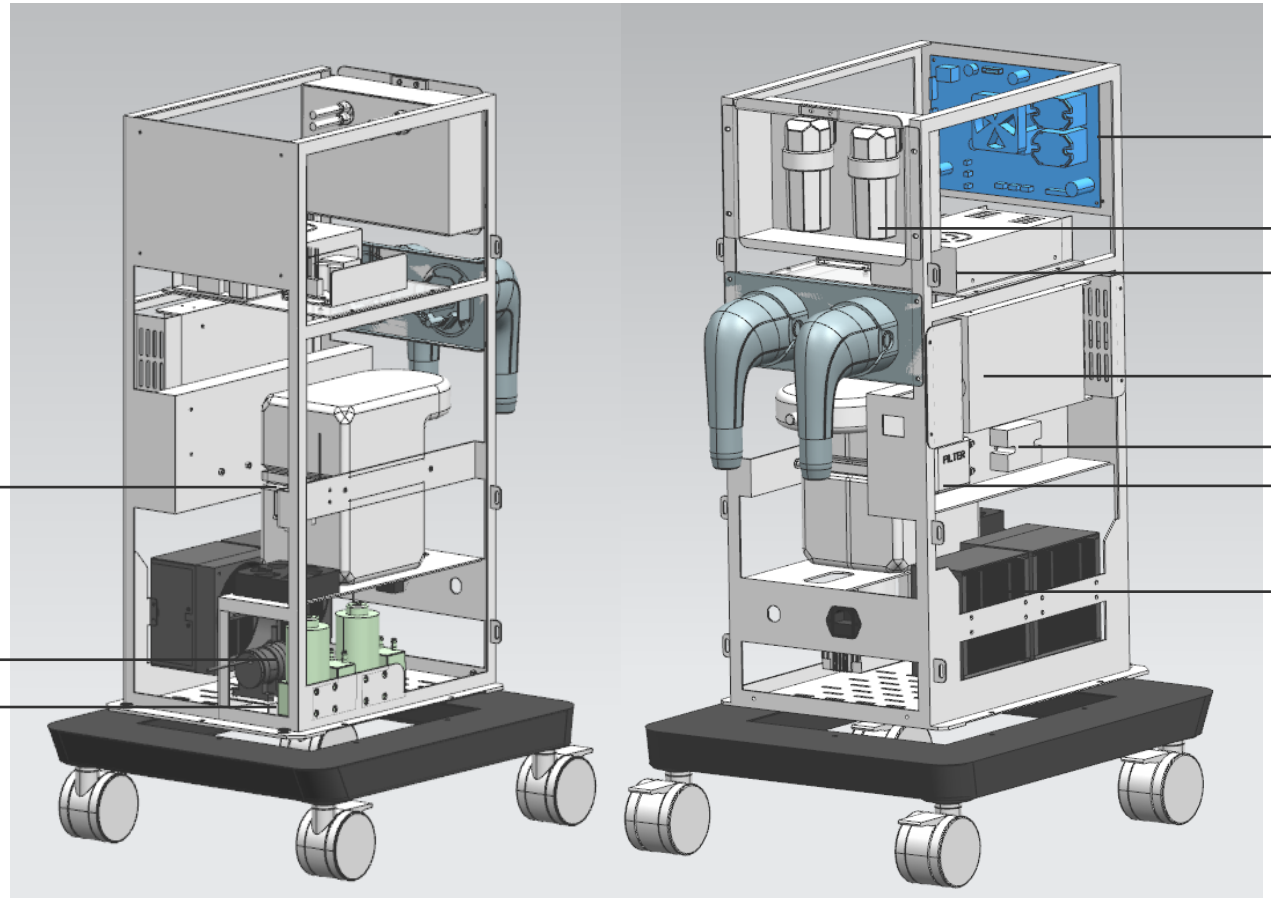

A Working handle
12.1 inch touch color screen
B Working handle
Emergency switch
Key switch
Movable wheel


Filter
B handle socket
A handle socket
Rocker switch
Power supply

PARAMETER

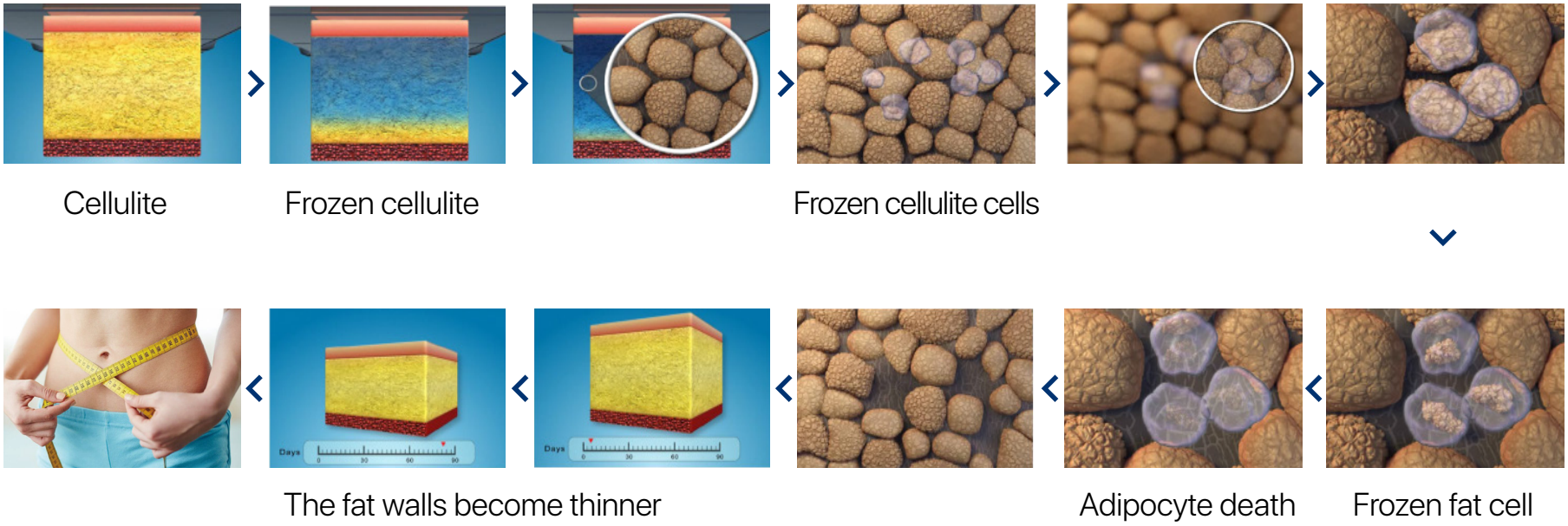
Product model	Cryo XCool Plus2
Display screen	12.1"color touch LCD screen
Cooling temperature	1-5 gears (cooling temperature 1 to -11℃)
Heating temperature	0-4 gears (preheating for 3 minutes, heating temperature 37 to 45 ℃)
Vacuum suction	1-5 gears (10-50Kpa)
Setting time	1-99min （default 60min）
Input voltage	110V/220V
Output power	1500W
Fuse	15A
Machine size (L*W*H)	500×420×1150mm
Package size (L*W*H)	500×600×1230mm
Air box weight	19KG
Gross weight	70kg

KEY COMPONENTS



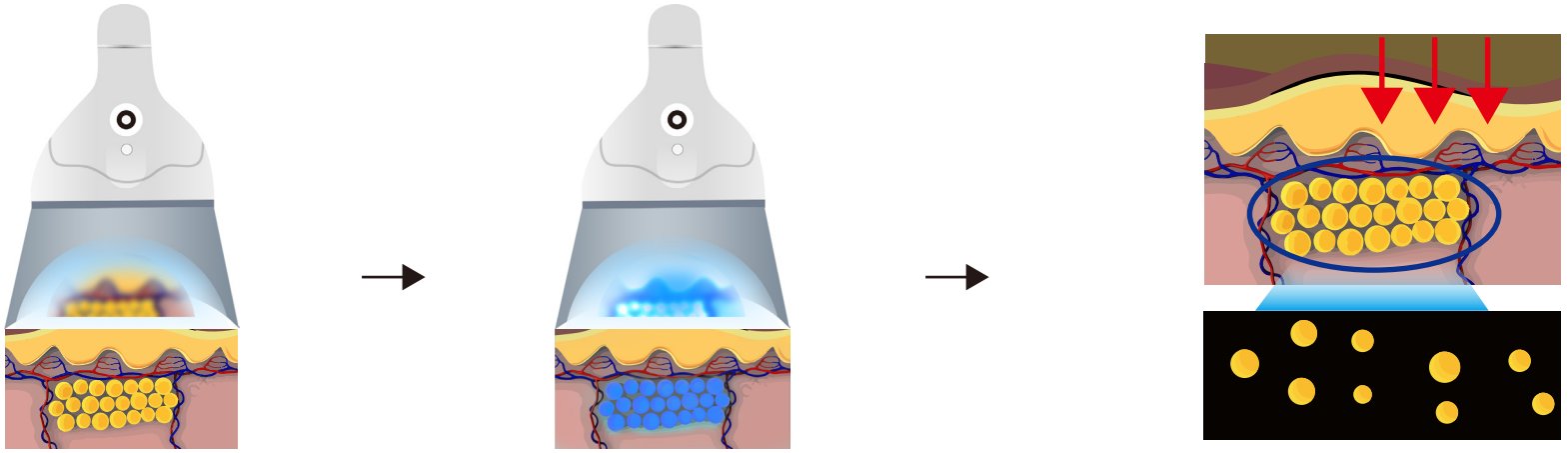
THEORY

Cryolipolysis: Powered by Cryolipolysis technology, Cryo XCool Plus2 combine semiconductor refrigeration, heating and vacuum negative pressure to precisely and effectively freezing the underlying fat tissue without damage to other tissues. As fat cells are sensitive to low temperature, the triglycerides in fat will change from liquid to solid at 5℃, crystallize and age, and then induce fat cell apoptosis, but do not damage other subcutaneous cells. It has been proven to be the most effective slimming system.



THEORY

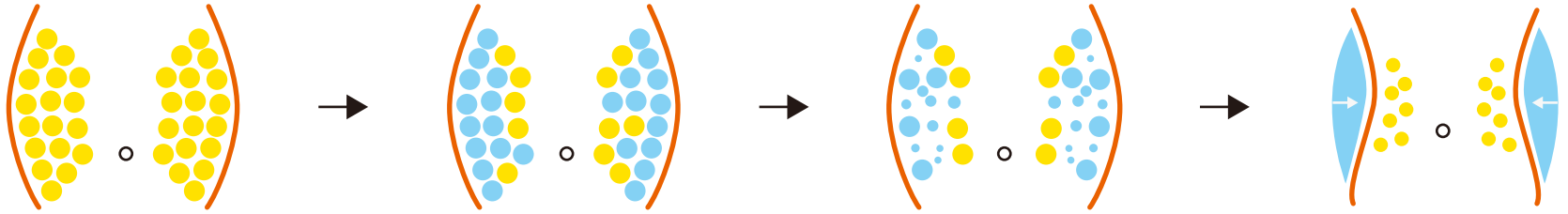
The ideal temperature from -5℃ to -11℃ which can induce adipocyte apoptosis is cooling energy to achieve non-invasive and powerful lipid-lowering.Different from adipocyte necrosis, adipocyte apoptosis is a natural form of cell death. It's to maintain the stability of the internal environment. Cells die in an autonomous and orderly manner, thereby effectively reducing fat cells without causing damage to surrounding tissues.



1.The treatment head is attached

2. The cooling energy treats the target fat layer without damaging.

3. Damaged fat cells are broken down and cleared through the natural body process (apoptosis).



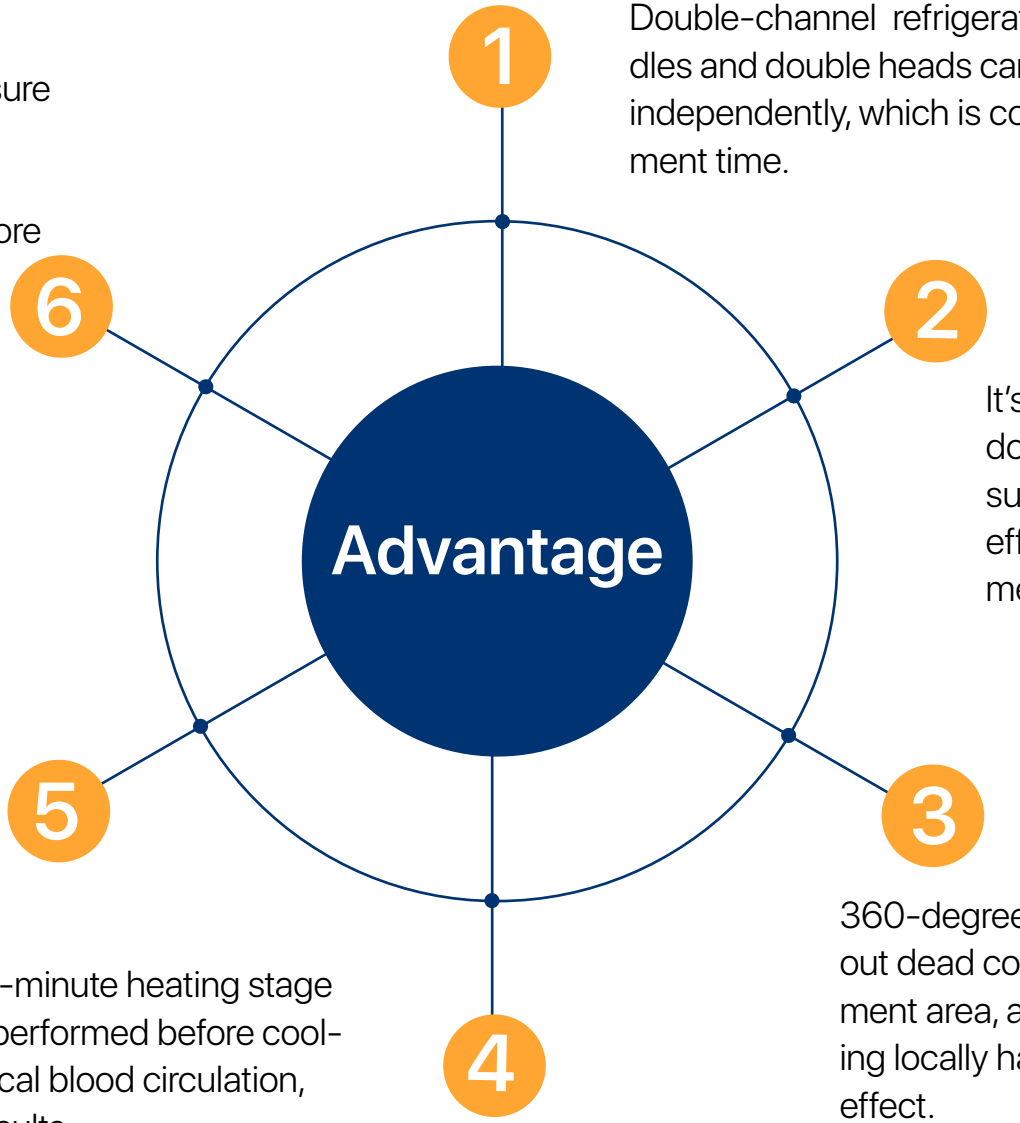
Fat swelling in abdomen

Convey cooling

Fat cells are destroyed

Decreased number of fat cells in the abdomen.

ADVANTAGE



1. Double-channel refrigeration grease, double handles and double heads can work at the same time or independently, which is convenient and saves treatment time.

2. It's safe and non-invasive, which does not affect normal work, no surgery, no anesthesia, no side effects , comfortable treatment.treatment time.

3. 360-degree refrigeration without dead corners, larger treatment area, and full-scale freezing locally has a higher slimming effect.

4. Heating mode: A 3-minute heating stage can be selectively performed before cooling to accelerate local blood circulation, better treatment results.

5. The five-stage negative pressure intensity is controllable, the comfort is improved, and the treatment discomfort is effectively reduced.

6. The five-stage negative pressure intensity is controllable. The probe is made of soft medical silicone material, treatment more comfortable.

Treatment head

Cartridge 1
(Standard 1 pc)
Treatment area:110×50.5mm

Cartridge 2
(Optional)
Treatment area:110×80mm

Cartridge 3
(Standard 1 pc)
Treatment area:260×140mm

Cartridge 4
(Standard 1 pc)
Treatment area:330×180mm

Cartridge 5
(Standard 1 pc)
Treatment area:200×140mm

Cartridge 6
(Standard 1 pc)
Treatment area:250×190mm

Treatment head

Long press for 2 seconds to display the blue light, indicating that the operation is started.

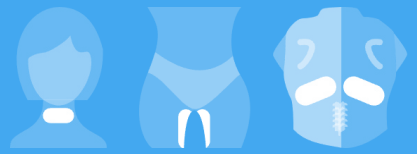
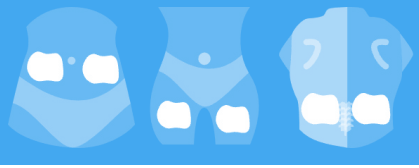
Locked Key.

1 Align with the corresponding hole.

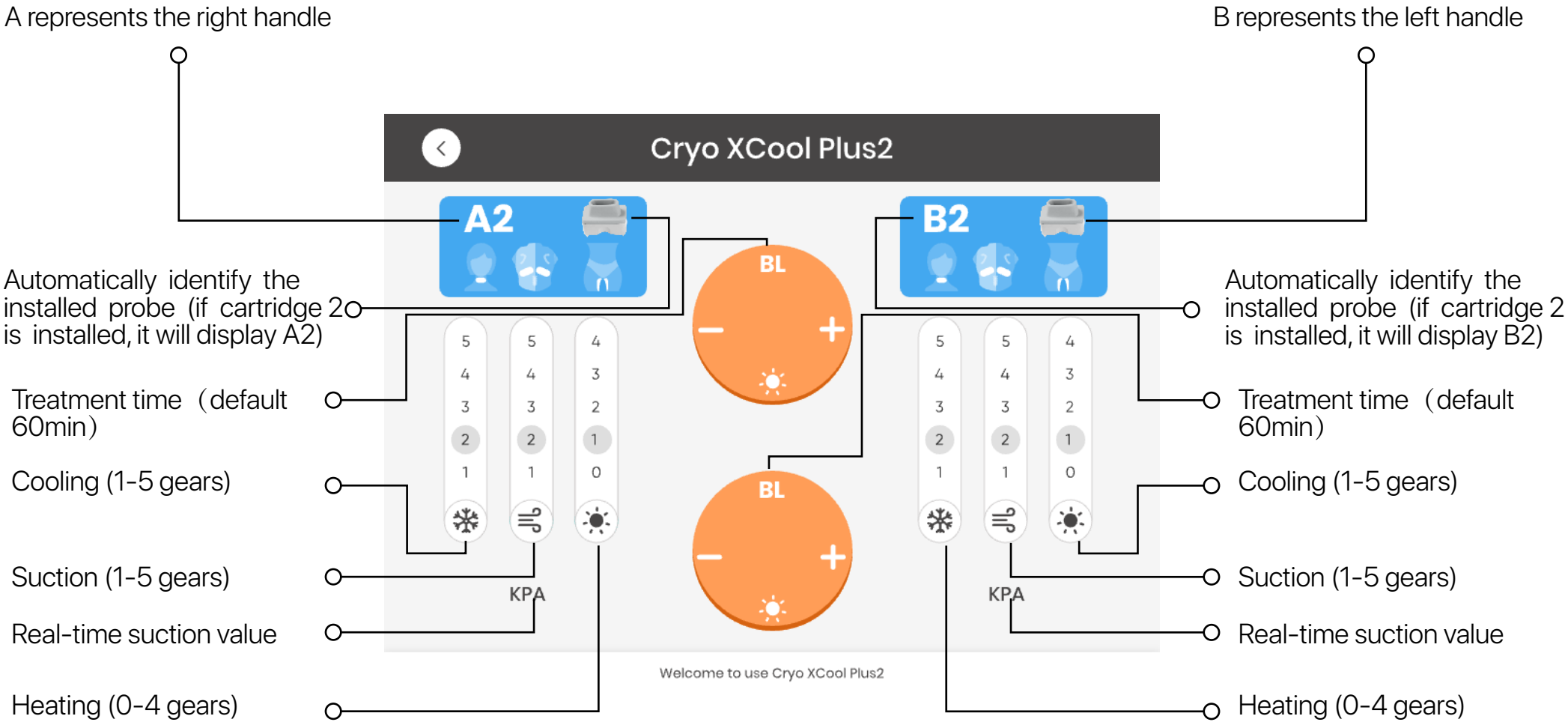
2 Hold down the lock key and insert in line.

3 Check whether the installation connection is firm.

A variety of professional customized probes, perfect bodycontour

1	 Suitable for fat thickness is more than 10-15mm	Suitable for small fat pockets and curved contours 	2	 Suitable for fat thickness is more than 10-15mm	Suitable for small fat pockets and flat head contours 
3	 Suitable for fat thickness is more than 20-25mm	Suitable for wide and curved contours 	4	 Suitable for fat thickness is more than 25-30mm	Suitable for large fat pockets and large fat deposits 
5	 Suitable for fat thickness is more than 15-25mm	Suitable for large fat bags and flat contours. 	6	 Suitable for fat thickness is more than 20-30mm	Suitable for the thigh area; flat and wide fat areas, etc. 

Interface introduction



Treatment steps

1、First using the line drawing tool to plan the area that needs to be care, measure the size of the treated area and record it.

2、Selecting the appropriate probe.

3、Setting the corresponding parameters on the system, and randomly adjusting the negative pressure and cooling temperature according to the customer's specific situation.

4、Open the package and take out the antifreeze film; unfold the folded antifreeze film and stick the antifreeze film on the treatment area.

5、Open the package and take out the antifreeze film; unfold the folded antifreeze film and stick the antifreeze film on the treatment area.

6、During the treatment process, you need to pay attention to observe and ask the guests' feelings at any time.

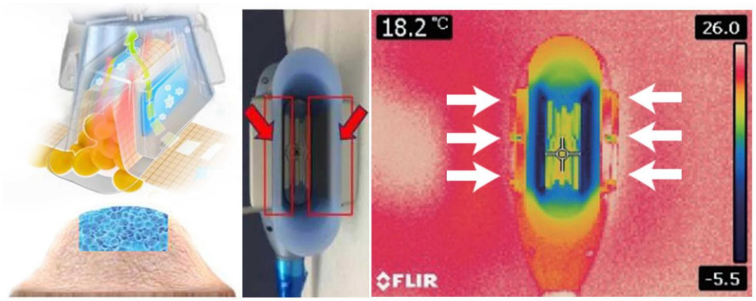
7、According to the specific treatment site, the treatment is about 30-50 minutes.

8、At the end of the treatment, use your fingers to gently pry the edge of the treatment head and gently remove the treatment head; remove the antifreeze film to clean the skin; the inside of the treatment head must be thoroughly cleaned.

Why choose Cryo XCool Plus2

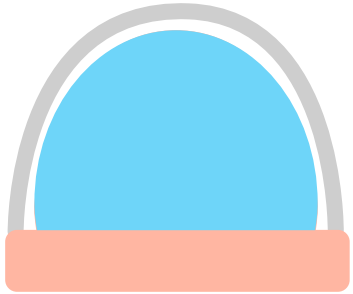
360° all-around cooling system

The cooling energy covers the target treatment area uniformly to the maximum extent, the treatment area is larger, and the effect is better.

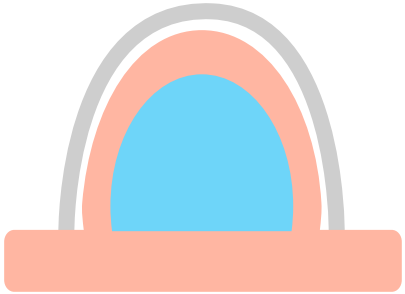


Traditional cooling plate on both sides

The cooling module is only located on both sides of the treatment head, and only the two sides have a freezing effect.



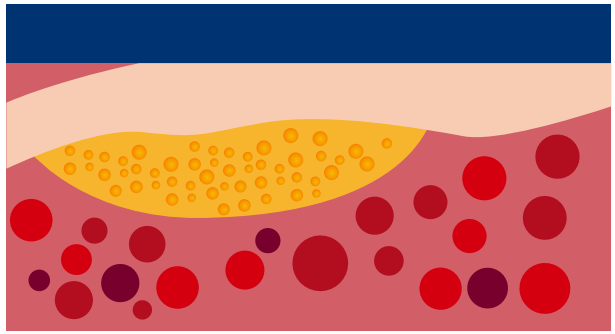
360°around the cooling area



The general 360° cooling plate area in the market.

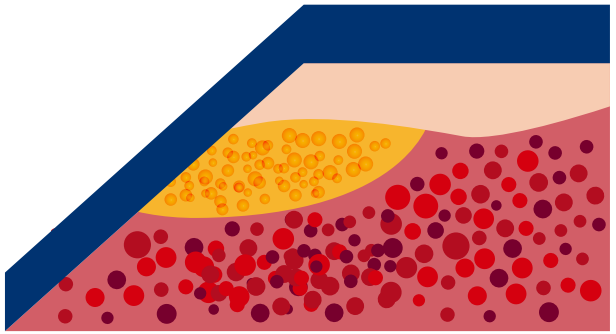
Traditional cooling plate on both sides.

The effect of vacuum suction



Cooling plate without negative pressure adsorption

Blood flow and body temperature tend to remain constant.



Cooling after adsorption

Suction blocks blood flow, allowing low temperature to reach adipose tissue.

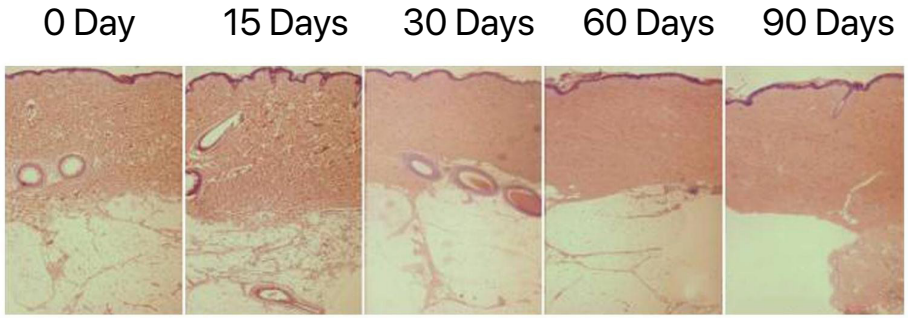
The clinical effect is better if blood circulationis blocked and fat freezing is accelerated.

Experimental proof

Frozen fat is a non-invasive method to selectively reduce local fat problems. Using mini pigs as an experimental model to find an improvement method for cryo-lipolysis treatment --- using a Cryo XCool Plus2 instrument to treat a group of female mini pigs' abdomen, using three-dimensional photography, ultrasound, microscopic pathology and blood lipid level analysis to test the treatment Effect, and then determine the mechanism, efficacy and safety of cryolipolysis treatment.

○ Histological changes of Cryo XCool Plus2 treatment 1

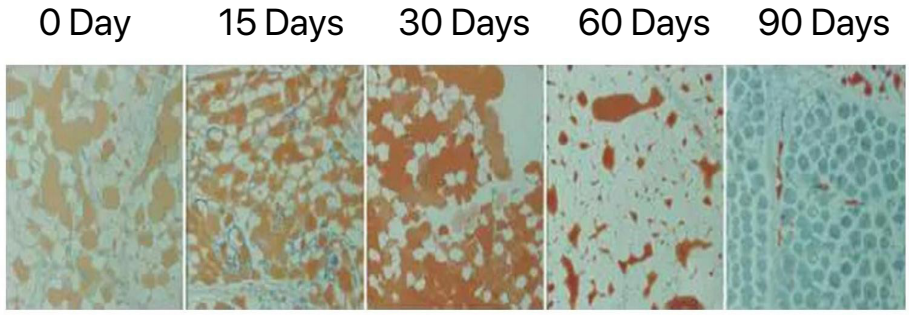
Staining Method of Hematoxylin & Eosin



After 0 days, 15 days, 30 days, 60 days, and 90 days after diamond ice sculpture treatment, the results of hematoxylin & eosin staining cell test showed that after 30 days of treatment, there was fat cell reduction, no epidermal insufficiency, and no abnormal inflammatory reaction in the dermis. And there is no necrosis of soft cell tissue.

○ Histological changes of Cryo XCool Plus2 treatment 2

0 staining method of fat cell oil red

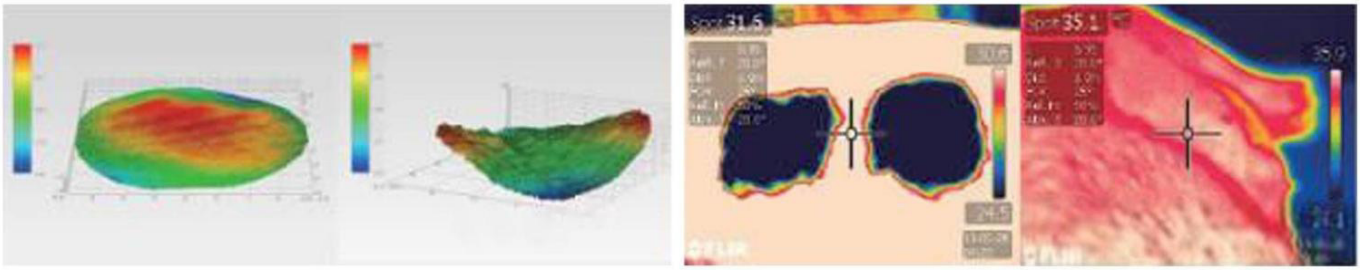


After 0 days, 15 days, 30 days, 60 days, and 90 days after the diamond ice sculpture treatment, the results of the oil red 0 staining cell test showed that the fat cells decreased after 30 days of treatment.

Experimental proof

○ Histological changes of Cryo XCool Plus2 treatment 3

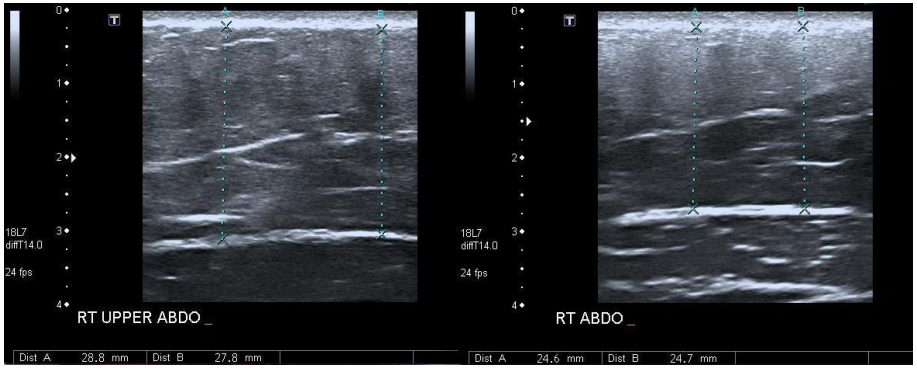
Three-dimensional contour camera Thermal imaging camera



In a trial using mini pigs as a model, the Cryo XCool Plus2 treatment successfully reduced abdominal fat. Microscopic pathological results prove that non-invasive low temperature response can selectively destroy fat, and shows an increasing trend of precursor fat cell differentiation and lipid catabolism activation; especially 30 to 60 days after treatment,it can cause fat tissue Increase in the level of PPARd within.

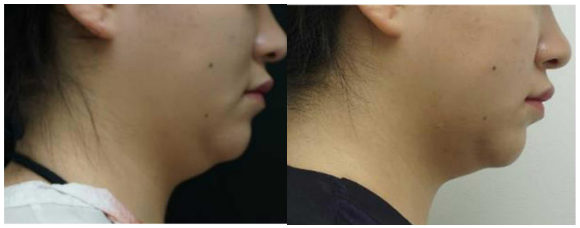
○ Histological changes of diamond ice sculpture treatment 4

Ultrasound display



Effect

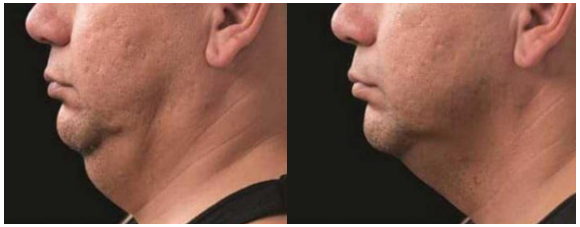
Before treatment 5 weeks after operation



Before treatment 4 weeks after operation

Before treatment 8 weeks after operation

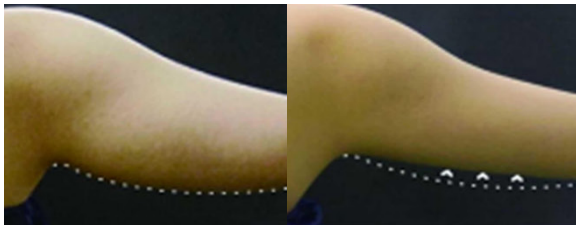
Before treatment 5 weeks after operation



Before treatment 2 months after operation

Before treatment 4 weeks after operation

Before treatment 6 weeks after operation

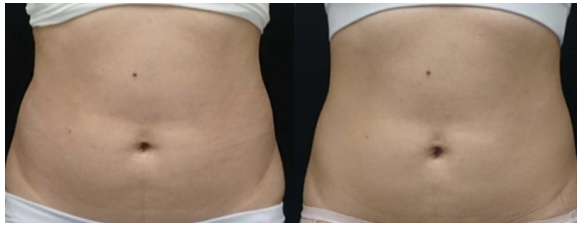


Before treatment 6 weeks after operation

Before treatment 6 weeks after operation

Before treatment 6 weeks after operation

Before treatment 10 weeks after operation



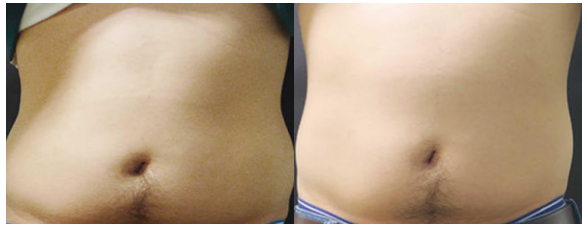
Before treatment 8 weeks after operation

Effect

Before treatment 8 weeks after operation

Before treatment 6 weeks after operation

Before treatment 8 weeks after operation



Before treatment 8 weeks after operation

Before treatment 6 weeks after operation

Before treatment 5 weeks after operation

Before treatment 8 weeks after operation

Before treatment 6 weeks after operation

Before treatment 6 weeks after operation

Before treatment 4 weeks after operation

Before treatment 6 weeks after operation

Before treatment 6 weeks after operation