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Part I

Introduction

Vacuum&cooling is one of the most popular ways to reduce fat and slim body. So, this machine can replace all fat-reducing treatments in beauty salons. Moreover, it is convenient and easy to operate. It can solve both skin and body management problems for beauty-seekers. Used externally during the whole process, this equipment requires no injection, no medication, and no operation, for which it has no side effects. Vacuum&cooling treatment is non-invasive fat-reducing approach, targeting the adipose cells on specific areas of body to reduce fat thickness for a noticeable figure curve.

Advantages

1. The whole process is performed without incision and anaesthetic.
2. It will not cause skin unevenness.
3. It will not cause bleeding or swelling.
4. It can bring you remarkable effects and prevent the reappearance of unwanted fat.
5. It will not cause any damage to skin and bring no inconvenience to your life and work.
6. It can effectively relieve edema and reduce cellulite.
7. It can effectively tighten skin.
8. It can reduce stubborn fat
9. It can build ideal body curve.
10. It causes no damages to nerves, blood vessels and skin.
11. It adopts advanced and reliable technology of vacuum&cooling to make fat congeal.
12. The cooling energy only targets the fat layer, causing no damages to viscera.
13. The two handpieces can work simultaneously, saving you lots of time and efforts.

Working Principles

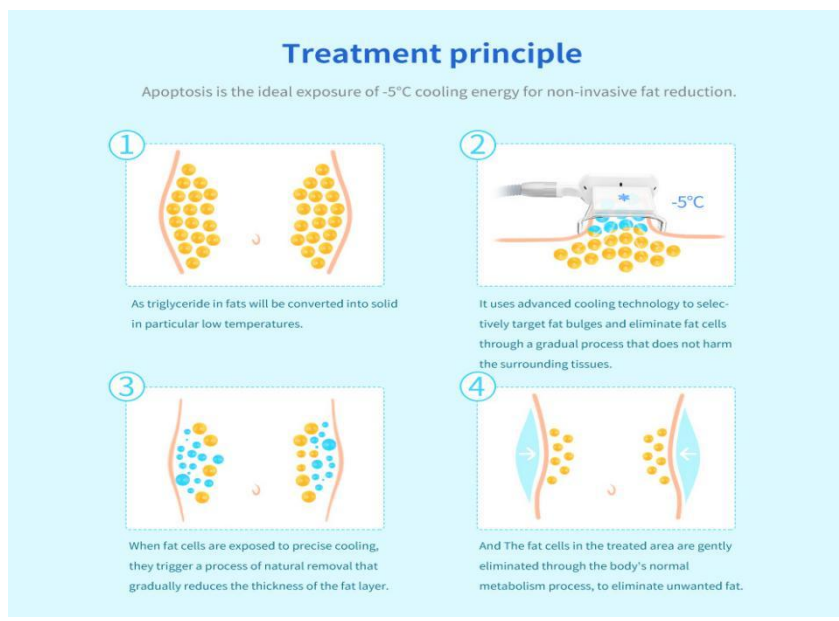
Vacuum&Cooling

The freezing point of water is 0°C while the freezing point of fat is 4°C, which we can make use of to achieve the purpose of reducing fat. The vacuum&cooling treatment makes use of vacuum to treat fat. Fat will be targeted and cooled down. During the process, heat in the fat layer will gradually disappear. When the adipose cells are cooled down to 0°C, they will die. The low temperature destroys adipose cells, causing no damages to skin or muscles. The dead adipose cells will be excreted from body by liver without external energy.

Biological Effects

Human body consist of 60%-70% water. The freezing point of water is 0°C . But fat has different property. Fat congeal from the temperature of 4 °C . Using such property difference, this machine is able to reduce fat. During the treatment, the corresponding handpiece will be put on fat area, and the fat will quickly congeal into jelly-like substances. And then the phagocytosis(phagocytes engulf and digest microorganisms and cellular debris) will happen. The dead cells will be treated as waste by the body and will be excreted in 2-4 months. So, this treatment can not make you see immediate effects but you can feel the fat is gradually removed in two weeks to a month.

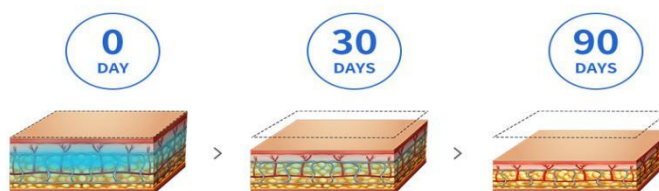
It can help reduce fat and promote blood circulation and lymphatic circulation to remove waste in the body. Additionally, the dead adipose cell are also removed from the body and so it can effectively prevent the reappearance of fat accumulation.



Significant curative effect



You will be able to create a charming body in 30 minutes of time , after the first treatment ,the effect will probably appear in 4-6 weeks later , and gradually achieve the best result in the next 3 months.



Effects

1. Dissolve fat to destroy thick fat accumulation and cellulite
2. Help reduce fat on specific areas

3. Relieve the condition of saggy and ageing skin, make skin become firm and have elasticity.
4. Dissolve fat to build ideal figure curve.
5. Build slender waist, slim legs and plump and firm hips.

Applicable Range

1. Those who have pear-shaped figure due to sedentary lifestyle.
2. Those who have much unwanted fat on thighs.
3. Those with flabby arms.
4. Those have saggy skin
5. Those who are obese due to binge eating and drinking.
6. Those who have saggy and fat abdomen and stretch marks after giving birth.
7. Those who have fat on waist and abdomen.
8. Those who experience outward expansion of hips and have unwanted fat on hips.

Inapplicable Range

1. Those who have just undergone plastic surgery with prostheses and metal materials implanted at the operation area.
2. Those who have used injections recently, such as hyaluronic acid, skin booster or wrinkle removal product.
3. Those who have hypertension, heart disease, diabetes, severe hyperthyroidism, malignant tumor, etc.
4. Those who are in allergic period and have severely sensitive skin and metal allergies.
5. Those who have trauma or wound on the skin.
6. Those who are of advanced years.
7. Those who are in menstruation, pregnancy, and lactation or who are recovering from operations.
8. Those who have skin diseases and infectious diseases.
9. Those who have unrealistic expectations about the effect.
10. Those who are taking anticoagulants, vasodilators, corticosteroids and other drugs or who have been taking them for a long time. Those who have liver diseases.

Do's and Don'ts after Operation

1. Keep warm after operation. Do not eat cold food and get a cold.
2. Take shower in 4-6 hours
3. Drink more hot water to keep hydrated and speed up metabolism.
4. Do not overeat or stay up late.
5. Do not eat raw, cold and spicy foods. Have enough sleep.
6. Do not wear crop top, backless clothes, miniskirt, hot pants and so on.
7. Do not scratch the treated areas. Do not press or knead the treated areas.

Part II

1. Detailed Operation

After all are connected properly, the following interface will appear when the power switch is pressed.



Function buttons



START/STOP button(the main switch, if you want to begin the treatment, you need to press the corresponding start/stop button of specific cooling applicator and then press this button)



corresponding start/stop button of specific cooling applicator



home button



reset button



temperature indicator. When there is any abnormal temperature change, this indicator will give alert.



water indicator, when there is a lack of water or something wrong happens, this indicator will give alert.

Please note: you need to press the corresponding start/stop button of specific cooling



applicator and then press this button at lower left corner before beginning the treatment. The three cooling applicators can be used at the same time.



time and its adjusting buttons(10-30 min on each area in one session is recommended. 10 min for experiencing this product is recommended for first-time users. After they adapt, time can be increased.



button for increasing time



button for decreasing time



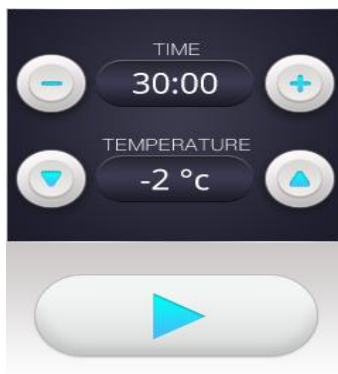
temperature and its adjusting buttons. -3°C to 5°C is recommended. 5°C is recommended at the beginning of the treatment and you can raise it slowly after treatment receiver adapt.



button for lowering temperature



button for raising temperature



control interface on the cooling applicator



time and its adjusting buttons



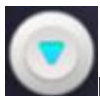
time for decreasing time



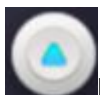
button for increasing time



temperature and its adjusting buttons.



button for lowering temperature



button for raising temperature



three knobs for adjusting suction levels. Set it at relatively low level at the beginning. When the handpiece is fixed on skin, turn the knob to raise energy level. Do not abruptly raise it to the highest level.

2. Technical Specifications

Power supply Input:100V-240V

Power : 500W

The cooling vacuum handle

Power:72W

Vacuum: 0-80Kpa

Output temperature: -10 to 15°C

Size(Optional):167*63*86 mm (big size); 142*57*86 mm (medium size); 142*57*86 mm (small size)

Led light: Red(630nm-650nm)

Cooling system:air and water

3. Dos and Don'ts

1. Use normal saline to wipe the handpiece clean and put it away properly after use.
2. The plug with grounding pin must be used before the instrument is used and the power socket of the instrument is properly grounded.
3. Ensure that the voltage of the instrument is suitable. If the voltage of the local power supply is not stable, we suggest that the user add a voltage regulator with matching power between the mains and the instrument.
4. In order to ensure the treatment effect and normal service life of the instrument, please use the specified parts provided or suggested by the original manufacturer.
5. The instrument should not be placed in damp places or near water sources, and should not be directly exposed to sunlight.
6. Do not place the instrument near a strong heat source, as this may affect the life and normal use of the instrument.
7. Before treatment, please remove all metal objects from the body first, so as to avoid unexpected conditions and influence the curative effect.
8. Please restrain from using the device on eyes, thyroid, parathyroid, testicles, abdomen of pregnant women, and pacemakers.
9. Patients who are suffering from illness should consult with a doctor and gain permission from the doctor before use.
10. Please turn off the power switch of the device, and ensure that the total power supply of the device is turned off before the staff leaves after daily use, so as to ensure the safety of the electrical products.
11. Use this machine or train the operators in strict accordance with instructions in the user manual.
12. When taking other weight-loss drugs, it is recommended to stop taking them for 1 to 2 months before treatment. Extension of the course of treatment is recommended if you want to take this treatment immediately.
13. Don't use the instrument on an empty stomach. After a full meal, wait at least 1 hour before taking this treatment.
14. Make sure the cooling applicator is in full contact with skin during treatment
15. The corresponding frostbite-proof membrane must be applied during the treatment. Do not perform the treatment on dry skin or let the handpiece directly touch skin.
16. Clean the instrument with normal saline after operation to ensure its cleanliness and hygiene and prolong its service life.

4. Troubleshooting & Solutions

1. **The instrument cannot be started, and the button light on the back of the instrument does not work?**
 - A. Make sure the power cord is connected to the socket with normal power supply.
 - B. Whether the fuse on the back of the instrument is loose or blown.

2. The machine works for a while but then stops?

- A. It may be because there is no strong water flow or the machine doesn't sense the presence of water flow.
- B. Check whether there is enough water in the water container.

3. There is a red alert at the lower right corner of the machine?

- A. Please check whether the water level in the water container is low
- B. Please check whether there is something wrong with the water container.

4. There is no suction when you press the START button?

- A: Please make sure you have pressed the corresponding start/stop button of specific cooling applicator first and then the main Start/Stop button at the lower right corner)
- B: Please check whether the knob for adjusting suction is turned to the minimum level. Try to turn the suction to a higher level.
- C: Please check whether time has been adjusted to "zero". If so, adjust Time.

5. I can start the instrument, but the screen shows erroneous message?

- A. Please unplug the power plug behind the instrument and wait for about 1 minute before restarting the instrument.
- B. If the above method cannot solve the problem, please contact the instrument dealer for assistance.

5. FAQs

1. Does the vacuum&cooling handpiece have side effects in reducing fat?

A: It is a totally non-invasive and painless. Based on the fact that adipose cells are more vulnerable to coldness than other cells, it can cool down adipose cells and remove them. What's more, it only targets adipose cells instead of other tissue, and so it will not cause damages to skin or muscles. The dead cells will be excreted from body through metabolism, so it has no side effects.

2. How does this treatment help reduce fat?

A: It can cool down subcutaneous tissue to 5 °C . And then adipose cells will gradually die, which will be excreted from body through metabolism. In this way, it can help reduce fat. Specifically speaking, it transmits cooling energy to fat area and after the adipose cells are cooled down to a certain temperature, triglyceride will become solid and then those cells will gradually die. They will be eventually excreted from body through metabolism. In this way, it can achieve the goal of reducing fat and shaping body.

3. Is this treatment effective in removing fat?

Triglyceride in the body can change its form into solid under minus 5°C environment. During the treatment, the corresponding handpiece will be put on fat area, and the fat will quickly congeal into jelly-like substances. And then the phagocytosis(phagocytes engulf and digest microorganisms and cellular debris) will happen. The dead cells will be treated as waste by the body and will be removed through metabolism from body. So, this treatment is an effective way to remove fat.

4. Do we need to control our diet and take exercise after taking this treatment?

A: Yes, we should regularly take exercise and control our diet. Because this treatment only reduces fat in our body, but it can not promote our basal metabolic rate fundamentally. So, if we don't do so, we will regain fat.

5. How long can we see the effects after the treatment?

A: Normally, you will see the effects in 1-2 months. It depends on individual constitution and metabolism. Based on the fact that adipose cells are vulnerable to coldness, this treatment can cool down and destroy adipose cells under the low temperature of 5°C, which can be excreted from body through metabolism. So, you should wait for some time to see the effects.

6. Why do we need to use special frostbite-proof membrane during the treatment?

A: The main constituent in this kind of membrane is organic molecules, which are concocted based on the characteristics of human skin. Clinical trials have shown that the use of the membrane in this treatment can effectively protect skin from frostbite.

6. Packing List

1 x Host machine
3 x Cooling Vacuum handle(optional)
1 x Holder for the cooling handle
1 x Power cord Both 110v and 220v voltage (frequency: 50/60Hz) version are available. Also we stock the USA, UK, AU, EU plug to suit for the country all over the world.)

7. Simplified Treatment Steps

Waist&abdomen shaping/Back shaping/Hip shaping/Leg shaping

1. Wipe the target area clean with washcloth
2. Apply the frostbite-proof membrane
3. Set parameters
4. Put the cooling applicator on the target area
5. Wait for several minutes and then remove the handpiece
6. Remove the membrane and wipe the area clean

Needed product: frostbite-proof membrane

8. Operational Diagrams

Parameter Adjustment	Product	Techniques	Diagrams
<h3>Waist&Abdomen Shaping: 30 minutes once a month</h3>			
<p>Vacuum&Cooling Time: 10-30 min Temperature: -3°C to 5°C Suction: adjust it based on individual endurance. Setting it at lowest level at the beginning is recommended to avoid discomfort.</p>	<p>Towel+Frostbite-proof Membrane+This machine</p>	<ol style="list-style-type: none"> 1. Clean waist and abdomen with towel 2. Choose proper frostbite-proof membrane and apply it to the treatment area according to the size of fat area. 3. Set the temperature, time and suction of the handpiece. 4. Fix the handpiece on the fat area of abdomen. Adjust the suction level based on customer's endurance. Wait for 10-30 minutes. 5. Remove the handpiece and membrane. Wash the treated area clean. 6. The end. 	<p>Please note: the vacuum cup will gradually draw the fat area tight. The higher the suction level is, the tighter the cup draw the fat area.</p> <p>Because there is air in the membrane between the handpiece and skin, bubbles will form on the membrane.</p> <p>Waist and abdomen may experience slight swelling, redness and other mild skin reaction after treatment, which is normal. You don't need to worry about that.</p>
<p>Treatment Suggestions One course of treatment consists of 4 treatment sessions. After one treatment, the conditions of redness, swelling, blood stasis, and numbness will disappear in 1-2 weeks. And in the second week, you will feel fat is reduced slowly. And obvious results will be seen in about 2 months. The fat will be averagely reduced by 22% in thickness. Of course, the effect varies for personal situation. After one course of treatment, fat on waist and abdomen will be greatly reduced. And skin will be tightened and waist curves will be noticeable. In the later stage, you can take the treatment once per two</p>			

months to consolidate the effect.

Back Shaping: 30 minutes once a month

<p>Vacuum&Cooling Temperature: -3°C to 5°C Time: 10-30 min Suction: adjust it based on individual endurance. Setting it at lowest level at the beginning is recommended to avoid discomfort.</p>	<p>Towel+Frostbite-proof Membrane+This machine</p>	<ol style="list-style-type: none"> 1. Clean back with towel 2. Choose proper frostbite-proof membrane and apply it to the treatment area according to the size of fat area. 3. Set the temperature, time and suction of the handpiece. 4. Fix the handpiece on the fat area of back. Adjust the suction level based on customer's endurance. Wait for 10-30 minutes. 5. Remove the handpiece and membrane. Wash the treated area clean. 6. The end. 	<p>Please note: you will have the obvious sensation of being tightened on back. And the vacuum cup will gradually draw the fat area tight.</p> <p>Back may experience slight swelling, redness and other mild skin reaction after treatment, which is normal. You don't need to worry about that.</p>
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Treatment Suggestions

One course of treatment consists of 4 treatment sessions. After one treatment, the conditions of redness, swelling, blood stasis, and numbness will disappear in 1-2 weeks. And in the second week, you will feel fat is reduced slowly. After one course of treatment, back will become thinner and unwanted fat will begin to disappear. And obvious results will be seen in about 2 months. The fat will be averagely reduced by 22% in thickness. Of course, the effect varies for personal situation. In the later stage, you can take the treatment once per two months to consolidate the effect.

Hip Shaping: 30 minutes once a month

<p>Vacuum&Cooling Time: 10-30 min Temperature: -3°C to 5°C Suction: adjust</p>	<p>Towel+Frostbite-proof Membrane+This machine</p>	<ol style="list-style-type: none"> 1. Clean hip with towel 2. Choose proper frostbite-proof membrane and apply it to the treatment area according to the size of fat area. 3. Set the temperature, 	<p>Please note: you will have the obvious sensation of being tightened on hips</p> <p>Hips may experience slight</p>
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<p>it based on individual endurance. Setting it at lowest level at the beginning is recommended to avoid discomfort.</p>		<p>time and suction of the handpiece.</p> <ol style="list-style-type: none"> 4. Fix the handpiece on the fat area of hip. Adjust the suction level based on customer's endurance. Wait for 10-30 minutes. 5. Remove the handpiece and membrane. Wash the treated area clean. 6. Repeat the techniques on the other side. 7. The end. 	<p>swelling, redness and other mild skin reaction after treatment, which is normal. You don't need to worry about that.</p>
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Treatment Suggestions

One course of treatment consists of 4 treatment sessions. After one treatment, the conditions of redness, swelling, blood stasis, and numbness will disappear in 1-2 weeks. And in the second week, you will feel fat is reduced slowly. After one course of treatment, unwanted fat on hips will begin to disappear and skin will be tightened. Obvious results will be seen in about 2 months. Of course, the effect varies for personal situation. In the later stage, you can take the treatment once per two months to consolidate the effect.

Leg Shaping: 30 minutes once a month

<p>Vacuum&Cooling Time: 10-30 min Temperature: -3°C to 5°C Suction: adjust it based on individual endurance. Setting it at lowest level at the beginning is recommended to avoid discomfort.</p>	<p>Towel+Frostbite-proof Membrane+this machine</p>	<ol style="list-style-type: none"> 1. Clean leg with towel 2. Choose proper frostbite-proof membrane and apply it to the treatment area according to the size of fat area. 3. Set the temperature, time and suction of the handpiece. 4. Fix the handpiece on the fat area of leg. Adjust the suction level based on customer's endurance. Wait for 10-30 minutes. 5. Remove the handpiece and membrane. Wash the treated area clean. 6. Repeat the techniques on 	<p>Please note: you will have the obvious sensation of being tightened on legs</p> <p>Legs may experience slight swelling, redness and other mild skin reaction after treatment, which is normal. You don't need to worry about that.</p>
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		the other leg. 7. The end.	
Treatment Suggestions One course of treatment consists of 4 treatment sessions. After one treatment, the conditions of redness, swelling, blood stasis, and numbness will disappear in 1-2 weeks. And in the second week, you will feel fat is reduced slowly. After one course of treatment, unwanted fat on legs will begin to disappear, skin will be tightened and legs will begin to become slender. Obvious results will be seen in about 2 months. The fat will be averagely reduced by 22% in thickness. Of course, the effect varies for personal situation. In the later stage, you can take the treatment once per two months to consolidate the effect.			