

# Infrared RF Vacuum Roller Slimming Machine

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## User Manual



Thank you and congratulations on your choice of the Infrared RF Vacuum Roller Slimming Machine.



Before Installing or Operating this equipment, please read these instructions carefully, and keep near the device for future reference.

### **Manufacturer's Disclaimer Statement**

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# Table of Contents

<b>Chapter 1 Introduction of the Machine</b> .....	4
1.1 Treatment Principle.....	4
1.2 Device Structure.....	4
<b>Chapter 2 Safety and Compliance</b> .....	5
2.1 Client Safety.....	5
2.2 Electric Safety.....	5
2.3 Transportation.....	5
<b>Chapter 3 Installation Procedure</b> .....	6
3.1 Accessories List.....	6
3.2 Installation Requirements.....	7
3.3 Installation Process.....	7
3.4 Leakage Protection.....	11
<b>Chapter 4 Operational Procedure</b> .....	12
4.1 Requirement for Operators.....	12
4.2 Examination.....	12
4.3 Specific Functions.....	12
4.4 Interface Operation.....	15
4.5 Treatment Operation.....	17
4.6 Instructions for Specific Body Parts.....	17
4.6.1 Abdomen and waist.....	17
4.6.2 Limbs.....	19
4.6.3 Facial.....	19
4.6.4 Neck.....	20
4.6.5 Back.....	21
4.7 Treatment Notice.....	21
4.7.1 Precautions after treatment.....	21
4.7.2 Indications.....	22
4.7.3 Contraindications.....	22
<b>Chapter 5 Maintenance &amp; Troubleshooting</b> .....	23
5.1 Maintenance.....	23
5.2 Troubleshooting.....	23
<b>Contact Us</b> .....	25

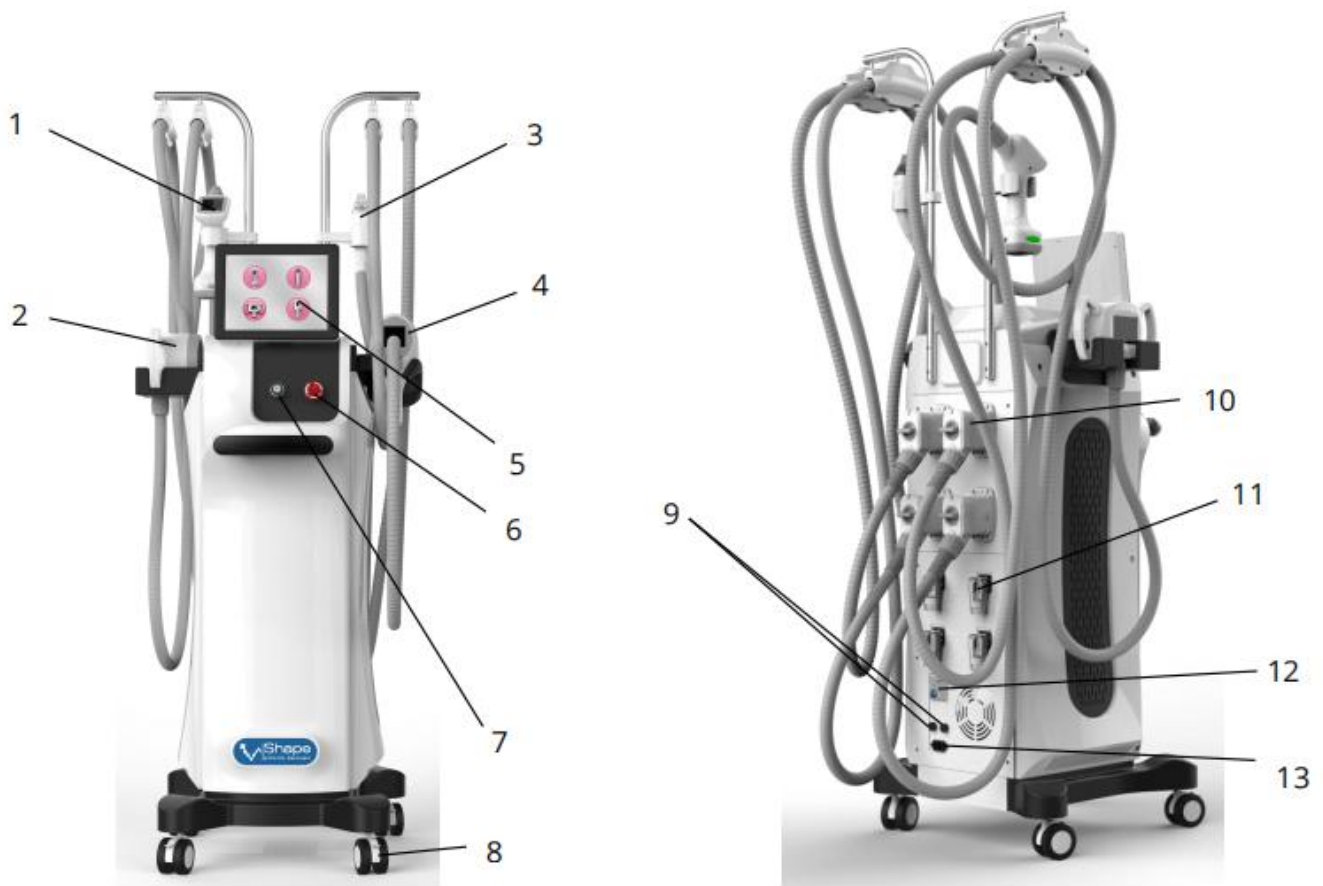
# Chapter 1 - Introduction of the Machine

## 1.1 Treatment Principle

Infrared RF Vacuum Roller Slimming Machine combines radio frequency, vacuum and pressure, infrared laser, mechanical roller and ultrasonic five popular weight loss technology, it is a multi-functional weight loss and shaping equipment. The rapid thermal effect of radio frequency in the body can stimulate the proliferation of collagen cells. When the vibration frequency reaches a certain range, there will be strong collisions between cells, and the cells will explode instantly. The bio-energetic effect can rapidly enhance partial blood circulation, rapidly activate lipase, and accelerate the decomposition of triglycerides in subcutaneous fat cells into free fatty acids and glycerol, which are metabolized by the liver and excreted from the body.

## 1.2 Device Structure

The Infrared RF Vacuum Roller Slimming Machine structure consists of the following units:



1. handpiece	8. wheel
2. handpiece	9. fuse
3. handpiece	10. handpiece connector
4. handpiece	11. filter
5. touch screen	12. leakage protection
6. emergency stop button	13. power connector
7. key switch	

# Chapter 2 - Safety and Compliance

## 2.1 Client Safety

Client's safety mainly depends upon well-trained operators, client consultation, correct skin analysis and a suitable treatment room. The attending operators must inform the client of all the risks with the use of this device.

## 2.2 Electric Safety

To ensure safe use, the rated voltage of the operating system is 220V, the maximum input current is 10A or 110V, and the maximum input current is 15A. This machine is equipped with an automatic leakage protection device. When a leakage occurs, the machine will automatically cut off the protection system.

## 2.3 Transportation

This machine is a precision instrument, and the whole machine does not allow users to move and use at a long distance. Because this machine is modular in design, the whole machine must be disassembled during transportation, and the main unit and handle must be packed and transported separately. The shock-absorbing packaging provided by the original manufacturer must be used during transportation.

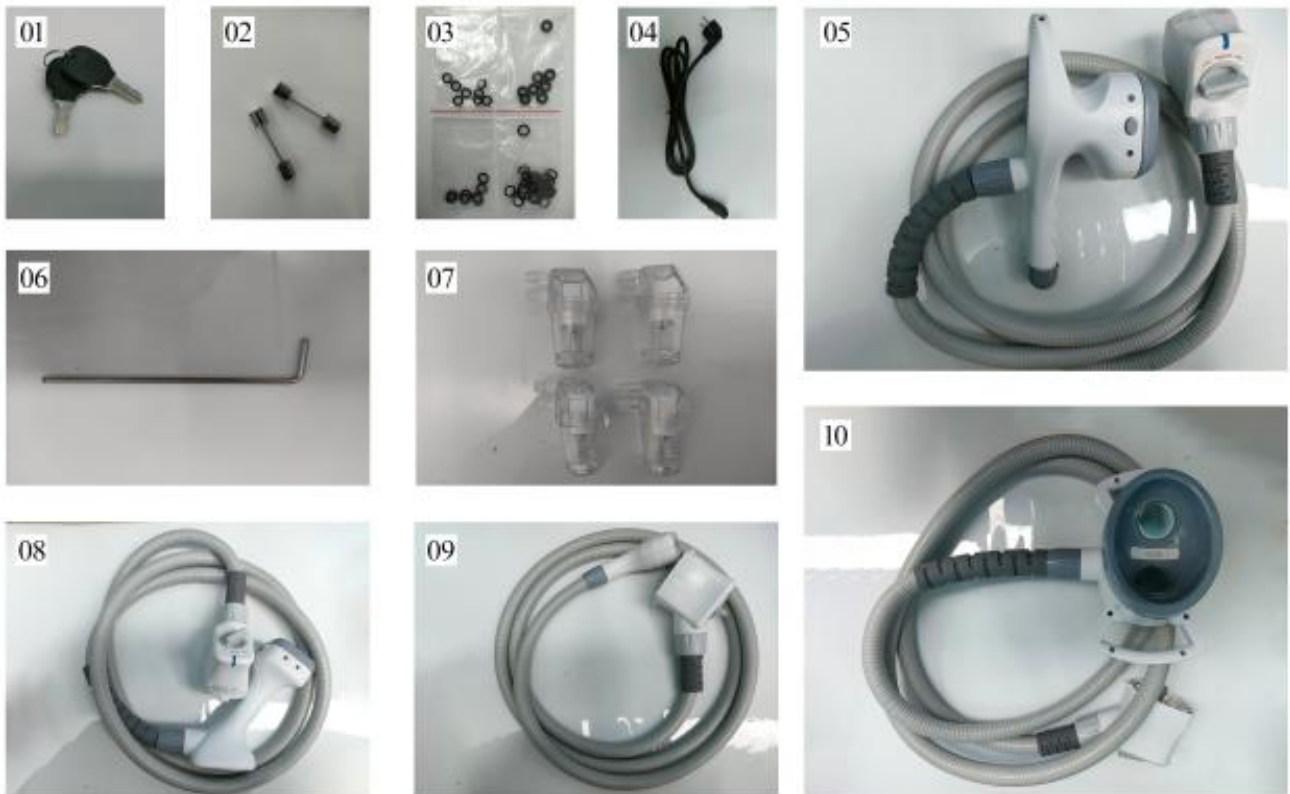
# Chapter 3 - Installation Procedure

The process of installation includes:

- ◆Unpacking the device and checking contents.
- ◆Assembly of its components and ensure that all connections are firmly in place.
- ◆Installation of Laser arm.
- ◆Connect the power supply.
- ◆Switch on the device and test all functions / parameters of the system.

## 3.1 Accessories List

Unpack the unit, remove all packaging material, and examine for damages.  
Do not proceed with installation if unit is damaged.



1. Keys 2. Fuse 3. Rubber Rings 4. Power cable 5. Handpiece	6. Hex screwdriver 7. Filters 8. Handpiece 9. Handpiece 10. Handpiece
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**IMPORTANT ATTENTION:** Please keep all packaging for safe storage and in case of any warranty returns or servicing.

It is forbidden to open the machine and tear down all the components without any authorization.

### 3.2 Installation Requirements

Place the equipment according to the requirements below:

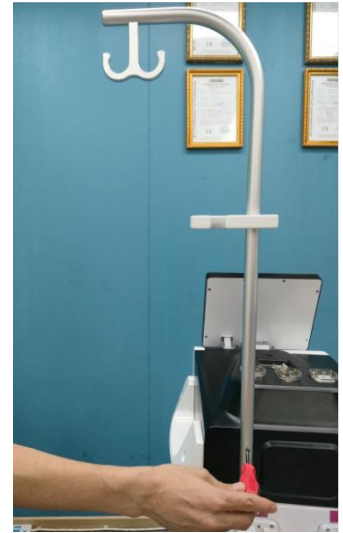
- ◆Treatment Room Temperature: 10°C~30 °C
- ◆Relative humidity: ≤75%
- ◆Air pressure: 860-1060hpa
- ◆Power requirement: AC 220v±10%; 50Hz±2% ;

### 3.3 Installation Process

After the machine is transported to the place of use, please take the machine out of the box first, and then install it after standing still for 24 hours in a normal room temperature environment.

Below are picture by picture steps on installing the machine:

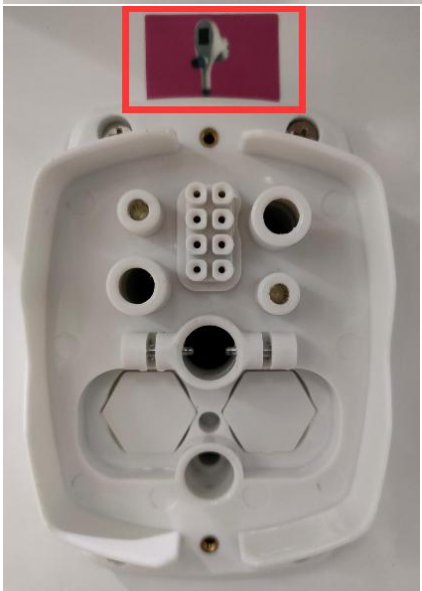
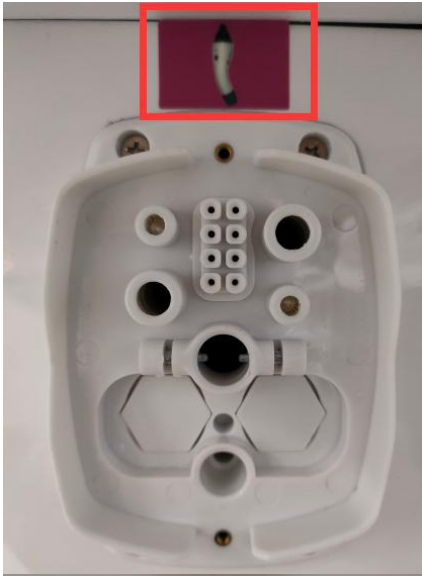




### Step 1 Install the handle holder

Find the aluminum bracket, handle holder, screws and hex screwdriver in the accessories bag and install them to the machine as the photo shows.

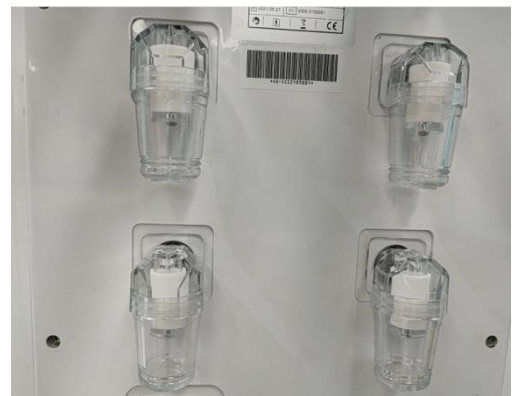






### Step 2 Install the handles

Take out the handle, and align the connector of the handle plug to the machine connector, tighten the knob in the direction indicated by the arrow. There are four handles and four connectors, stickers above the connector can instruct you the correct way to install them.



### Step3 Install the filters

Plug in the filters as the picture shows.



### Step 4 Install power cable

Plug in the power cable and fasten it as the picture shows.

OFF



ON



Step 5 Switch on the leakage protector.



Step 6 Release the red emergency stop button, insert the key switch and turn on the machine.

### 3.4 Leakage Protection



OFF



ON

After the mains lead is connected, flick the Leakage protection upwards and the machine is now ready for use.

**NOTICE:** Once the machine is turned on allow the water to properly circulate for 5 minutes before entering precombustion mode.

# Chapter 4- Operational Procedure

## 4.1 Requirement for Operators

- ◆The operator should be aware of the expertise required to use a medical laser, should be trained to meet local and national laws and adhere to best practice for the country the machine will be used in.
- ◆Complete Core of Knowledge Training
- ◆Have full insurance that covers Public Liability, Contents and Treatment Risk insurance.

## 4.2 Examination

Examine to make sure the equipment is installed according to the installation instructions and requirements. Check the water level is normal and the working environment is suitable.

## 4.3 Specific Functions

There are four modes with different functions.



**INFRARED VACUUM ROLLER RF HANDLE (SMALL):**



Used for cellulite removal and skin tightening on arms, calves and back.



**FACIAL VACUUM RF HANDLE:**



16mmx25mm



9mmx13mm



4.5mmx9mm

Equipped with three different sizes of treatment heads, used for facial and neck skin tightening and lifting, eye wrinkles removal, eye bags and dark circles treatment.



**VACUUM ULTRASOUND CAVITATION HANDLE:**



90mmx120mm

Combines vacuum and ultrasound, for local fat reduction in the abdomen, buttocks, thighs and other areas.



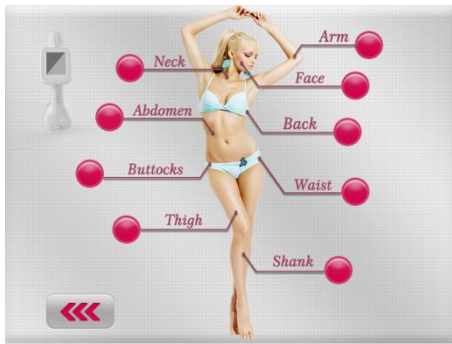
**INFRARED VACUUM ROLLER RF HANDLE (BIG):**



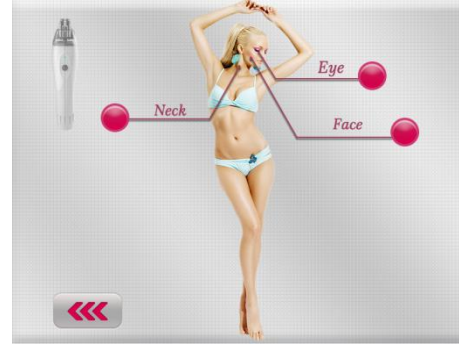
Used for cellulite removal skin tightening on the abdomen, buttocks, waist, thighs and back.

## 4.4 Interface Operation

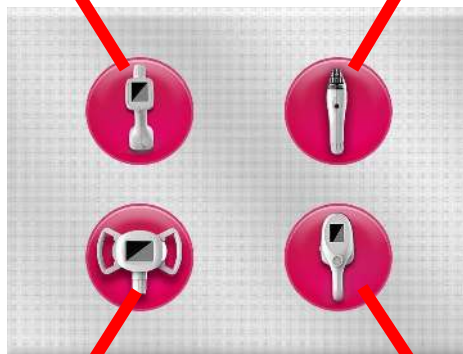
After turning on the machine, you will see the following operation interfaces.



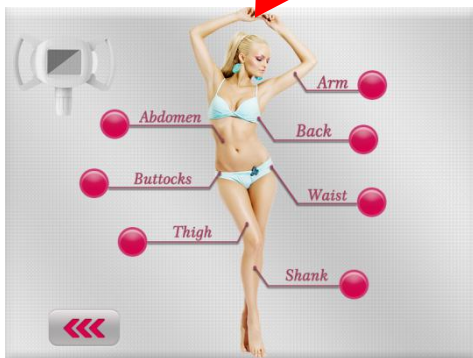
Pic2



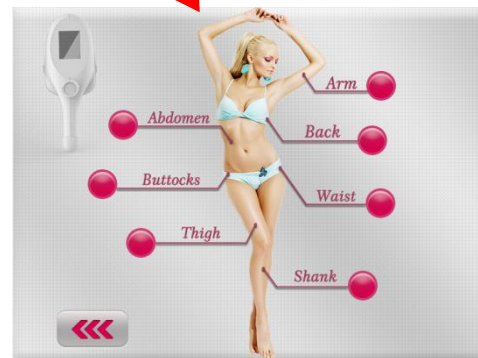
Pic3



Pic1




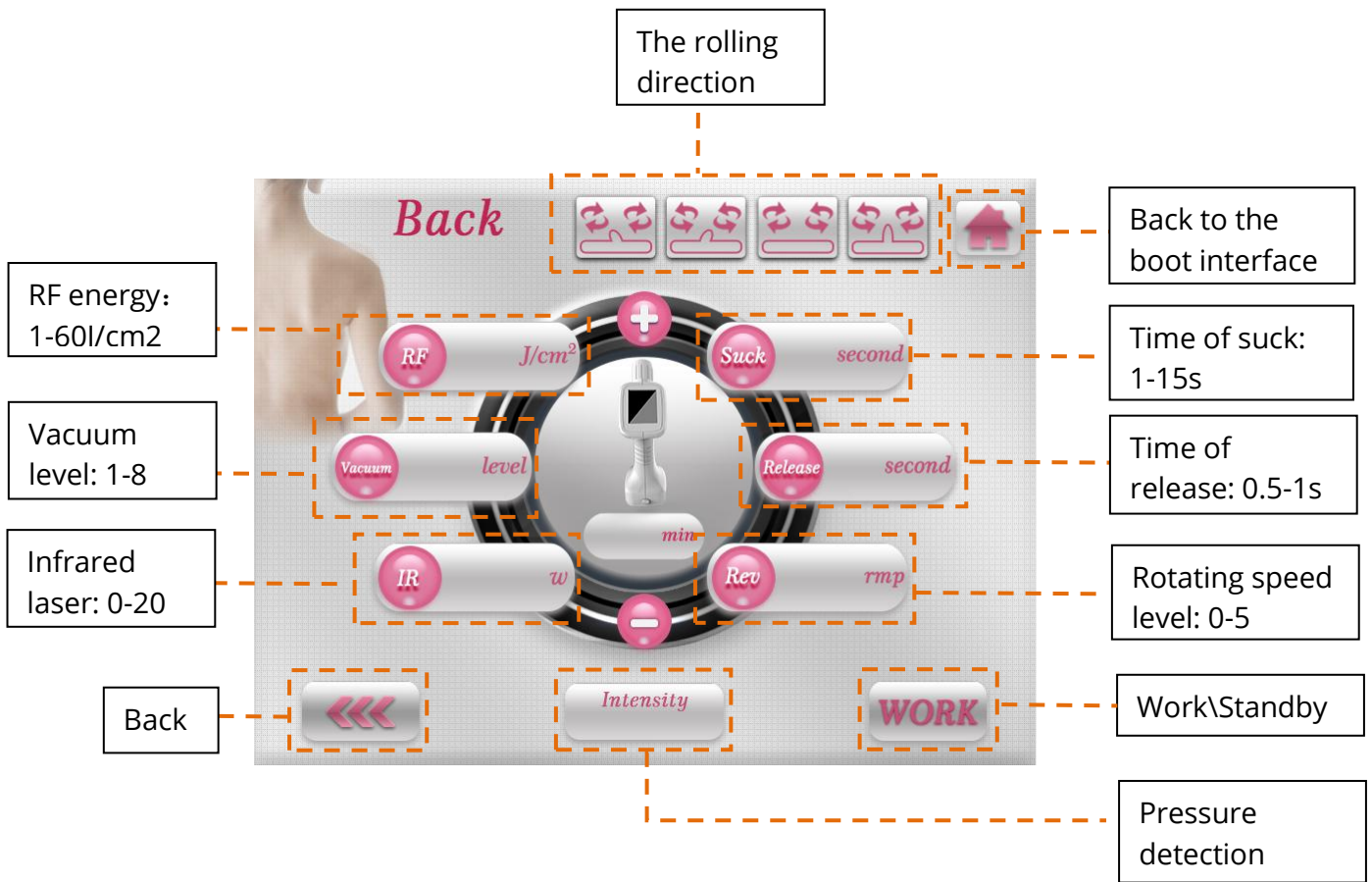
Pic4



Pic5



Click the one of the four button  of welcome interface (Pic1) to enter the handle interface (Pic2, Pic3, Pic4, Pic5), then choose the specific body parts.(Take the back as an example below.)



Take the handle, and set the treatment parameter. The suggested parameters are including in the following sheet. Adjust the parameter according to the customer's tolerance.

Click **WORK** to begin the treatment.

Suggested Parameters of Infrared RF Vacuum Roller Slimming Machine(INFRARED VACUUM ROLLER RF HANDLES)										
Body Parts	Parameters	RF	Vaccum	IR	Suck	Release	Rev	Time of operation	interval	Course
Abdomen and waist		30	2	10	5	0.5	3	20-30min	4-5 Days	10 Times
Limbs		30	2	10	5	0.5	3	20-30min	4-5 Days	10 Times
Back		30	2	10	5	0.5	3	20-30min	4-5 Days	10 Times
Facial		30	2	10	2	0.5	/	30-40min	5-7 Days	10 Times
Neck		30	2	10	2	0.5	/	30-40min	5-7 Days	10 Times
Eyes		30	2	10	2	0.5	/	15-20min	5-7 Days	10 Times

\*The forehead, cheekbones, and chin are sensitive areas, and because the subcutaneous fat is thinner and the curvature is larger there, generally reduce the radio frequency and negative pressure (1-2 energy levels) under the original parameters.

Suggested Parameters of Infrared RF Vacuum Roller Slimming Machine(VACUUM ULTRASOUND CAVITATION HANDLE)								
Body Parts	Parameters	Cavitation	Vaccum	Suck	Release	Time of operation	interval	Course
Abdomen and waist		5-6	2	5	0.5	1-2min	2-3 Days	10 Times
Limbs		5-6	2	5	0.5	1-2min	2-3 Days	10 Times
Back		5-6	2	5	0.5	1-2min	2-3 Days	10 Times

## **4.5 Treatment Operation**

### **Step 1 Material preparation**

Radio frequency paste or essential oil, towels, tissue, cleanser

### **Step 2 Preparation before the treatment**

1.Introduce the machine's use range, the possible feeling and the contraindications to the client before the treatment.

2.Do not take hormonal drugs (prednisone, dexamethasone, etc.) within a week before treatment.

3.Measure the size and record in the archive.

4.Let the client take off all metal objects.

### **Step 3 Begin the treatment**

1.Clean the treatment areas.

2.Take an appropriate amount of radio frequency paste or essential oil and spread it evenly on the treatment area.

3.Turn on the machine and adjust the suitable parameter.

4.Do the treatment according to treatment steps and treatment methods of each part.

### **Step 4 Wipe off the radio frequency paste or essential oil, and the treatment is over.**

#### **Treatment tips:**

During the treatment, keep asking client about his or her feeling, such as the strength, the temperature and the comfort,etc. Observe whether the skin to make sure if there is redness and heat. Adjust the parameter and energy according to the client's feeling. The temperature rises quickly in areas where the skin tissue is thin, and the parameter can be appropriately lowered.

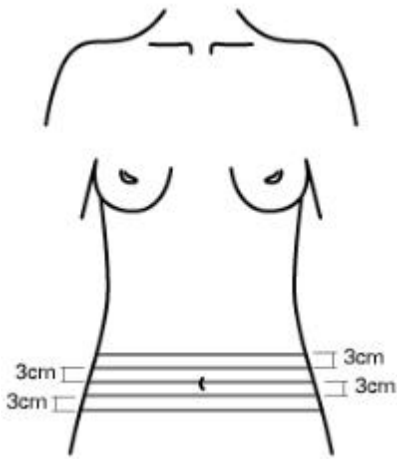
## **4.6 Instructions for Specific Body Parts**

### **4.6.1 Abdomen and waist**

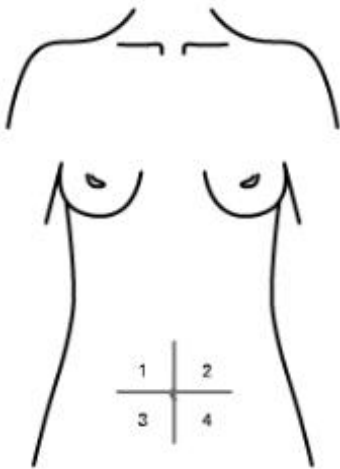
The effect: firming, shaping, body parts liposuction.

Method of treatment:

Measure the waistline before the treatment. Using the navel as the midpoint, measure 3cm, 6cm above it and 3cm, 6cm below it, then mark them and measure the waistline of the five points. The points can also be adjusted according to the height of the individual, but it must be recorded accurately.(As the following picture shows.)



1) During the treatment, using the navel as the midpoint, make two vertical lines to divide the abdomen into four regions.(As the following picture shows.)

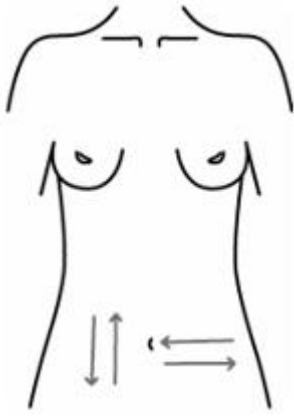


2) During the treatment, the handle must close to the skin and make sure there is no air between the handle and the skin.Press the button on the handle and the machine begin to work. If the treatment need to be interrupted, just press the pause button on the handle.

3) Keep asking the client's feeling during the treatment, and observe whether the client's skin is red or slight hot, avoid repeating operations in the same area.

### **Treatment tips:**

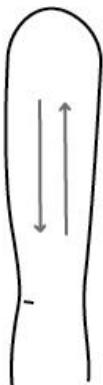
Using the navel as the midpoint, make two vertical lines to divide the abdomen into four regions. After finish one region, do the next region. Repeating to do all the regions in order and heat the entire abdomen evenly, achieve better treatment effect.



#### 4.6.2 Limbs

Legs: Starting from the root of the outer thigh, perform the linear adsorption operation in sequence from top to bottom and from left to right. (As the following picture shows.) Do the outside first, then the inside. The inside is the sensitive area, the temperature rises quickly, and the skin appears reddish phenomenon is normal. The comfort of the client should be improving during treatment.

Arms: perform the linear adsorption operation in sequence, do the outside first, then the inside. (As the following picture shows.) The underarm is a sensitive area, and the comfort of the client should be improving during treatment.



Legs



Arms

#### 4.6.3 Facial

##### The effects:

Facial lifting, tightening and wrinkle removal; tightening of eye wrinkles;

##### Precautions:

The forehead, cheekbones, and chin are sensitive areas, and because the subcutaneous fat is thinner and the curvature is larger there, generally reduce the radio frequency and negative pressure (1-2 energy levels)

under the original parameters.

### **The operation steps:**

- 1) clean the treatment area, exfoliate if necessary.
- 2) Take an appropriate amount of radio frequency paste or essential oil and spread it evenly on the treatment area.
- 3) The sequence of operations is: do the cheeks first, then the forehead, and the upper lip last.

### **Method of treatment:**

- 1) Directional promotion:
  - A. lifting upward along the skin texture as the following picture shows. Lifting three lines behind the ear and in front of the ear and the temple.



B. During treatment, use one hand to do the treatment and the other hand assists in lifting the skin upwards to stretch the folded skin, the folded skin heated by radio frequency to stimulate the production of collagen fibers and collagen, and the effect is better.

C. The facial treatment should be repeated 2-3 times.

Fine operation:

- 2) Repeat operations can be used for wrinkles such as nasolabial folds, forehead lines, as well as raised areas and large pores on the face that are not easy to operate.

### **Clinical endpoint :**

- 1) The face is reddish and slightly hot.
- 2) The amount of wrinkles reduced.
- 3) The face was lifted and firmed.

## **4.6.4 Neck**

### **The effects:**

Lifting and firming the skin of neck, remove neck wrinkle.

### **The operation steps:**

- 1) Clean the neck.
- 2) Take an appropriate amount of radio frequency paste or essential oil and spread it evenly on the

treatment area.

3) Do the treatment in the direction as the following picture shows. During treatment, use one hand to do the treatment and the other hand assists in lifting the skin upwards to stretch the folded skin, the folded skin heated by radio frequency to stimulate the production of collagen fibers and collagen, and the effect is better.



4)The facial treatment should be repeated 2-3 times.

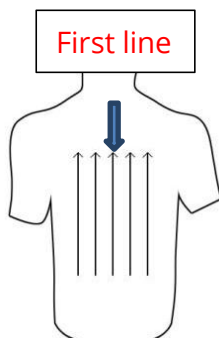
#### 4.6.5 Back

##### The effects:

Unblock the meridians and cure the sub-health of the back.

##### The operation steps:

- 1) Clean the treatment areas.
- 2) Take an appropriate amount of radio frequency paste or essential oil and spread it evenly on the back.
- 3) Generally take 5 lines, if the client's back is relatively wide, you can take 7 lines. The first one starts from the middle vertebra, then do the second and the third lines on left and right. The operation method is to push from bottom to top, and the treatment area will be hot after 3-6 times. During operation, the left hand grasp the direction and the right hand push up.



#### 4.7 Treatment Notice

##### 4.7.1 Precautions after treatment

Under normal circumstances, no other complications and discomfort.

1.As infrared light and radio frequency increase the speed of blood supply in the local area, temporary congestion and redness in the local treatment area will appear, which may last for a few hours, and then

disappear.

2. Due to the combination of red light and electromagnetic waves, please refrain from intense sunbathing within a week after treatment. At the same time, the treatment area needs to be moisturized and protected.

3. Due to the system can promote the metabolism of the adipose tissue, the fat cells was absorbed by the lymphatic system after their cytolysis, so after the whole comfortable treatment, the urine output of the client will increase on the day.

4. It is forbidden to wash the treatment area with cold water within 8 hours after the treatment(except the face).

#### **4.7.2 Indications**

1. Skin tightening and wrinkle removal on the neck, face and corners of the eyes, removing dark circles, eye lines and eye bags.

2. Effectively target on whole body obesity, local obesity. In addition, wrinkle removal, fat melting, firming and body shaping (arms, legs, shoulders, waist and abdomen, buttocks).

3. Postpartum repair

4. Improve cellulite, reshape body shape, shrink the skin after liposuction.

5. Stretch mark repair

6. Relieve muscle pain and body physiotherapy.

#### **4.7.3 Contraindications**

1. Those who have heart disease and wear a rhythm regulator

2. Pregnant women

3. The treatment area has been injected with artificial fillers, such as silica gel, etc.

4. Patients with diabetes and malignant tumors

5. Scarred skin

6. Those who are allergic to experimental radio frequency

7. All patients who have wounds in the treatment area or people who are taking anticoagulant

# Chapter 5 - Maintenance & Troubleshooting

## 5.1 Maintenance

1. Wipe with towel after each operation, and disinfect with alcohol cotton. The operating handle should be kept clean and dry during use (otherwise, the buttons will bulge or the handle will change color).

2. Clean the operating head regularly, thoroughly cleaning 2-3 times a week, the operation steps are as follows:

1) Press the lock and release buttons on the left and right sides of the operating handle with one hand, and pull out the middle of the edge of the operating head with the other hand, and hang the disassembled operating head handle back to the corresponding position of the hanger;

2) Put the head of the operating handle into a warm water basin filled with detergent, wash the front and back, rinse it with clean water, and dry it with facial tissue; if there is any area that cannot be wiped, use a warm air blower to dry it.

3. During use, if there is air leakage or the negative pressure decreases, please replace the spare sealing ring in time.

4. It is required to handle the operating handle gently during use, and it is forbidden to beat it.

## 5.2 Troubleshooting

Please confirm again whether the keys of the machine and the emergency stop switch are both turned on.



Please check if the power line of the machine is properly connected.



Please check whether the leakage protector is in the ON state.



OFF



ON

Please check whether the fuse of the machine is burned out, if it burns out, please find a spare fuse in the ingredient package and replace it.



Please check if the filter behind the machine is off or if there is liquid in the filter.



If your problem cannot be solved by the above methods or you still encounter other problems, please contact our after-sales engineers or sales personnel in time, please do not disassemble the machine by yourself.

Email for service: [service@bjnubway.com](mailto:service@bjnubway.com)

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