



WEIFANG KM ELECTRONICS CO., LTD

*KM-RF-U200A*



Mini Cavitation RF System

### *User Manual Introcution*

**IMPORTANT:** It is obligatory to use conductive gel for all cavitation treatments and Radio frequency treatments with this equipment. Any damage caused by neglec-ting these instructions will cancel the warranty.

Please read this manual very carefully.

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**It is very important to follow the instructions of this manual in order to use correctly and easily the equipment, to provide security and effectiveness during the treatment. This way you can extend the useful life of you equipment.**

## 1. INTRODUCTION

### Ultrasound cavitation

is based on physical phenomena and uses low frequency ultrasound waves on the skin surface to produce pressure and temperature changes in the interstitial fluid of adipose tissue.

The ultrasonic waves of 40 kHz, 33kHz and 28 kHz converge on the area to try and cause creation of "microbubbles". These bubbles

implode stored energy to separate the fatty nodules, breaking the membrane of adipocytes and dissolving the fat and allowing the release of their contents from the organism. These bubbles vibrate so quickly that destroy fat cells transforming them into diglycerides. The fat passes from solid to liquid, is metabolized and naturally eliminated by lymphatic system and finally by urine.

The low frequency ultrasound waves manage to break the adipose tissue without damaging blood vessels.

### Tripolar RF

High frequency wave permeates epidermis and take effect on the collagen-rich dermal tissue directly which makes water molecules in the skin move to and fro wildly. The move produces controllable heat and results in contraction of collagen and generation of new collagen and dermal remodeling .as a result, the skin looks tighter, wrinkles reduce gradually. Radio Frequency: energy is transmitted to the place between three electrodes; the current permeates target tissue and generate heat.

### Lipolysis

It highly combines the advantage of Ultracavitation and RF. The Ultracavitation uses ultrasound cavitation effect to cause the air bubbles around lipocyte membranes to break up. Also we use 6 MHz radio frequency to alternate the electric field in the skin from positive to negative.

### 4. Vacuum+Tripolar RF theory:

Use high-frequency RF and vacuum technology, direct access to the deep fat body, make fat cells in the fast-active state production of heat, rise local temperature, so that effective consumption of fat, and then through the sweat glands and lymph to make the excess fat and toxins excreted out of body, and achieve the effect of dissolving fat,

strengthening the role of cells, enhance blood and lymph circulation, active metabolism, elimination and softening honeycomb-like tissue to achieve the purpose of weight loss and controlling obesity..

## 2. FUNCTIONS

- Dissolution of adipose panniculus
- Body contouring and body lifting
- Activating blood circulation
- Cellulite reduction, lymphatic drainage
- Reduction of treated area in centimeters.
- Wrinkle Removal, Skin Tightening
- Skin lift, face lifting, Body slimming

### 3. ADVANTAGES

- The treatment doesn't need neither surgery nor anesthesia.
- Does not cause irregulars phenomena on the skin.
- Does not cause swelling nor wounds.
- Without secondary effects and without risk of getting up weight again.
- The treatment is non-invasive and does not affect patient's diary routine.

### 4. INCLUDED ACCESSORIES



One Cavitation Handpiece(40KHZ)



One Lipolysis Handpiece



One Tripolar RF(For Body)



One Small Tripolar RF( For Neck and arm)



Vacuum Handpiece



Two keys



6 PC Negative Pad



One PC Negative Connect line



One PC Power Acord



One Foot Switch

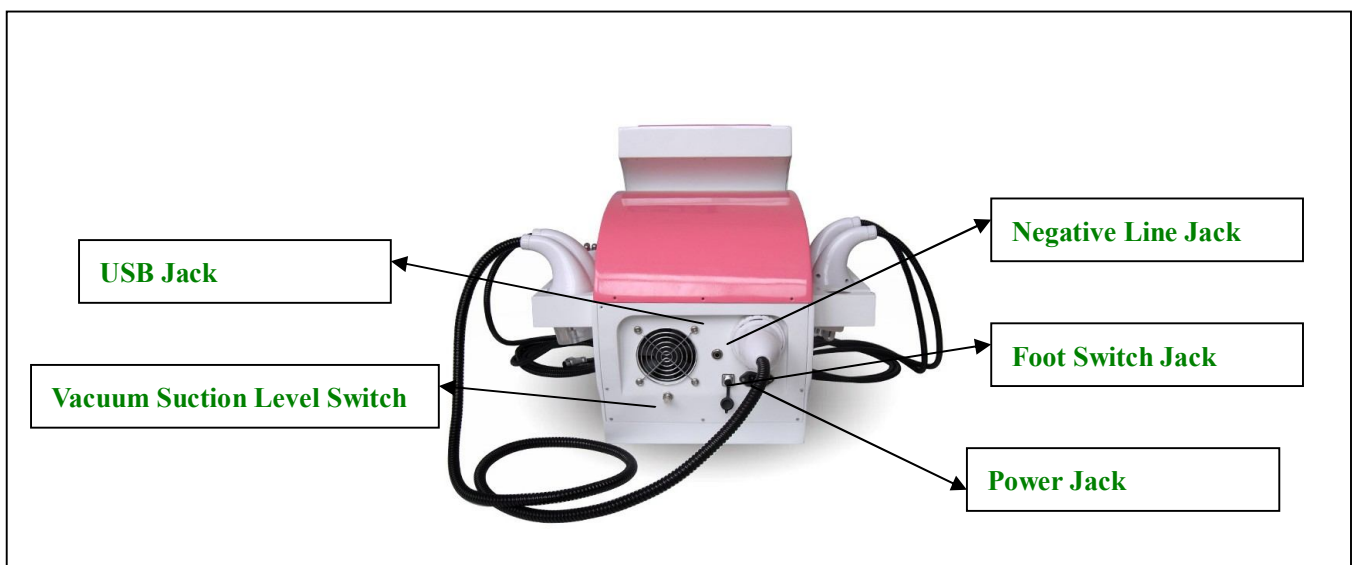
## 5. INSTALLATION

- 1) Connect the equipment to voltage 220V or 110V 50-60Hz. Before connecting the power cord check if the cable is in good technical condition.
- 2) Connect the handpieces according to the introduction on the table
- 3) Install the foot switch according to the introduction on the table

**NOTE:** Pay special attention on the form of connectors of handpieces. Check if the handpieces are correctly connected.

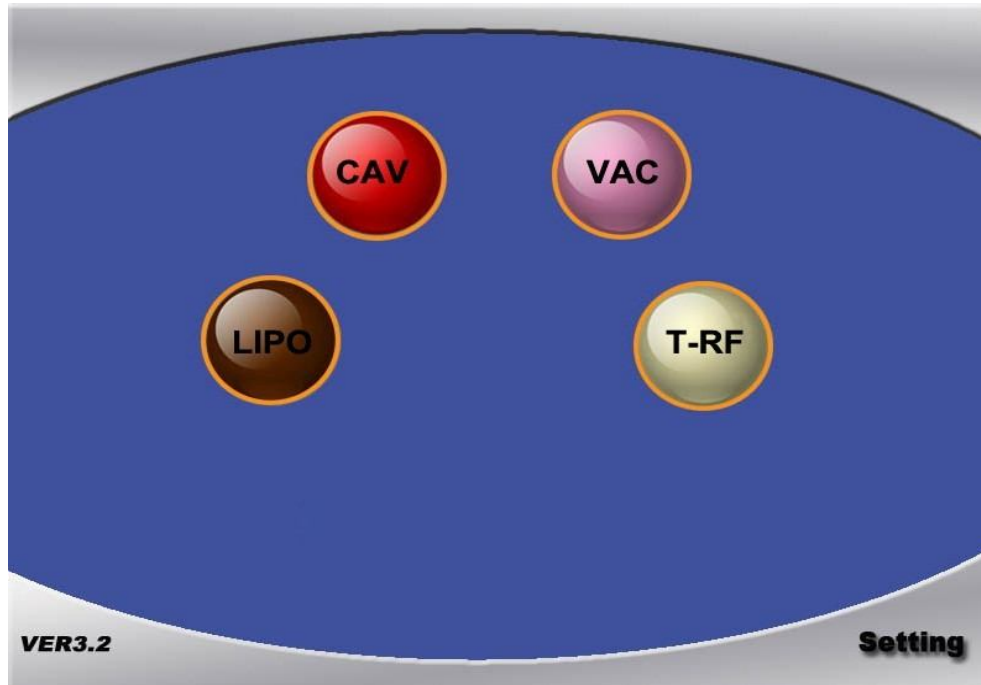
The handpiece won't emit ultrasound waves if you do not press the footswitch.

## 6. PARTS DESCRIPTION

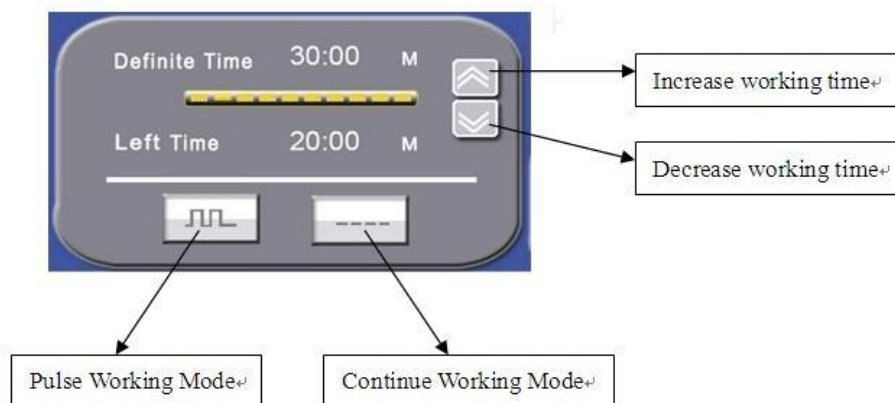


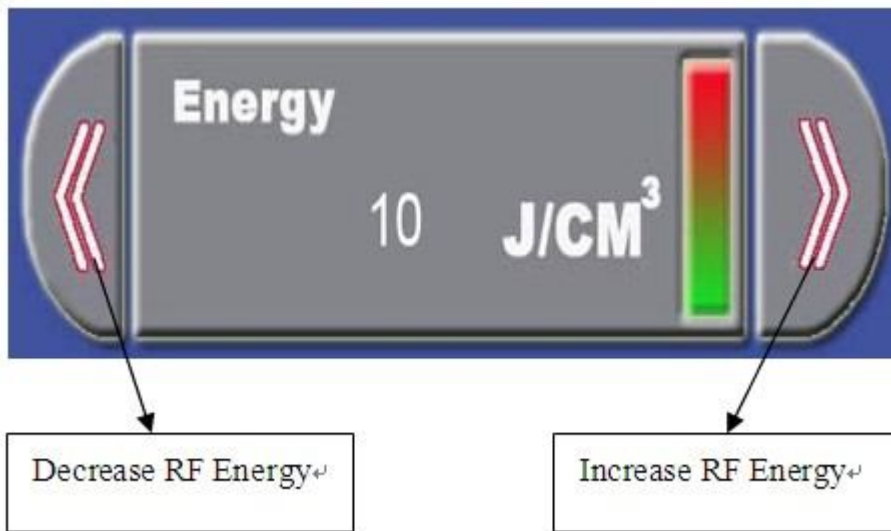
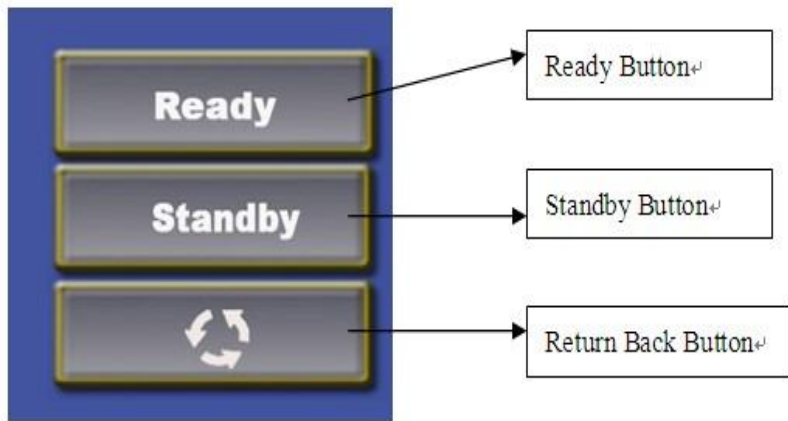
## 7. USAGE INSTRUCTIONS

Connect the equipment to electricity – 220V, 50-60 Hz. Switch on the equipment turning the key. The screen will turn on. On the screen will appear logo of our company, then it will turn on five menu; Cavitation, Lipolysis, Tripolar RF, Bipolar rf, vacuum, You can choose any one function you need for the treatment



### Software Usage Introduction





## 8. TECHNICAL FEATURES

<b>Cavitation Frequency</b>	<b>40.5Khz</b>
<b>Cavitation Power</b>	<b>100W(Max)</b>
<b>Cavitation Energy</b>	<b>3W/cm2</b>
<b>Tripolar RF Energy</b>	<b>2-300J(adjustable)</b>
<b>Tripolar RF Frequency</b>	<b>6Mhz</b>
<b>650nm Infrared Ray</b>	<b>20mW</b>
<b>Vacuum Pressure</b>	<b>0~0.1Mpa</b>
<b>Operating Interface</b>	<b>8.4inch FTF colour touch screen</b>
<b>Working time</b>	<b>8-12hours under optimal temperature</b>
<b>Net Weight</b>	<b>28KG</b>
<b>Gross Weight</b>	<b>36KG</b>
<b>Dimension</b>	<b>68*55*66</b>
<b>Power Sourch</b>	<b>110V/220V</b>

## 9. APPLICATION ZONES

1)CAVITATION AND LIPOLYSIS APPLICATION ZONES

2)TRIPOLAR RF APPICATION ZONES

3)VACUUM APPLICATION ZONES

1)CAVITATION AND LIPOLYSIS APPLICATION ZONES

Abdomen, waiste, sides, gluteus



Thighs



Arm

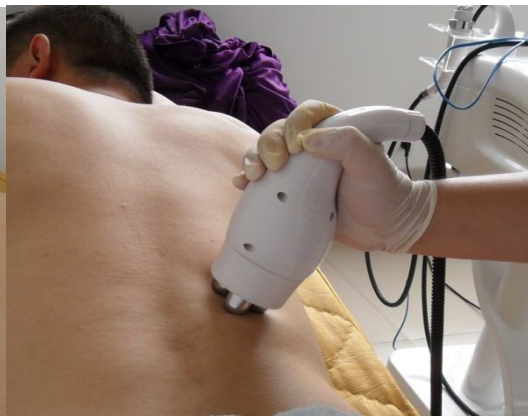




**ATTENTION: After each treatment you should carefully clean the handpiece from conductive gel**

## 2)TRIPOLAR RF APPLICATION ZONES

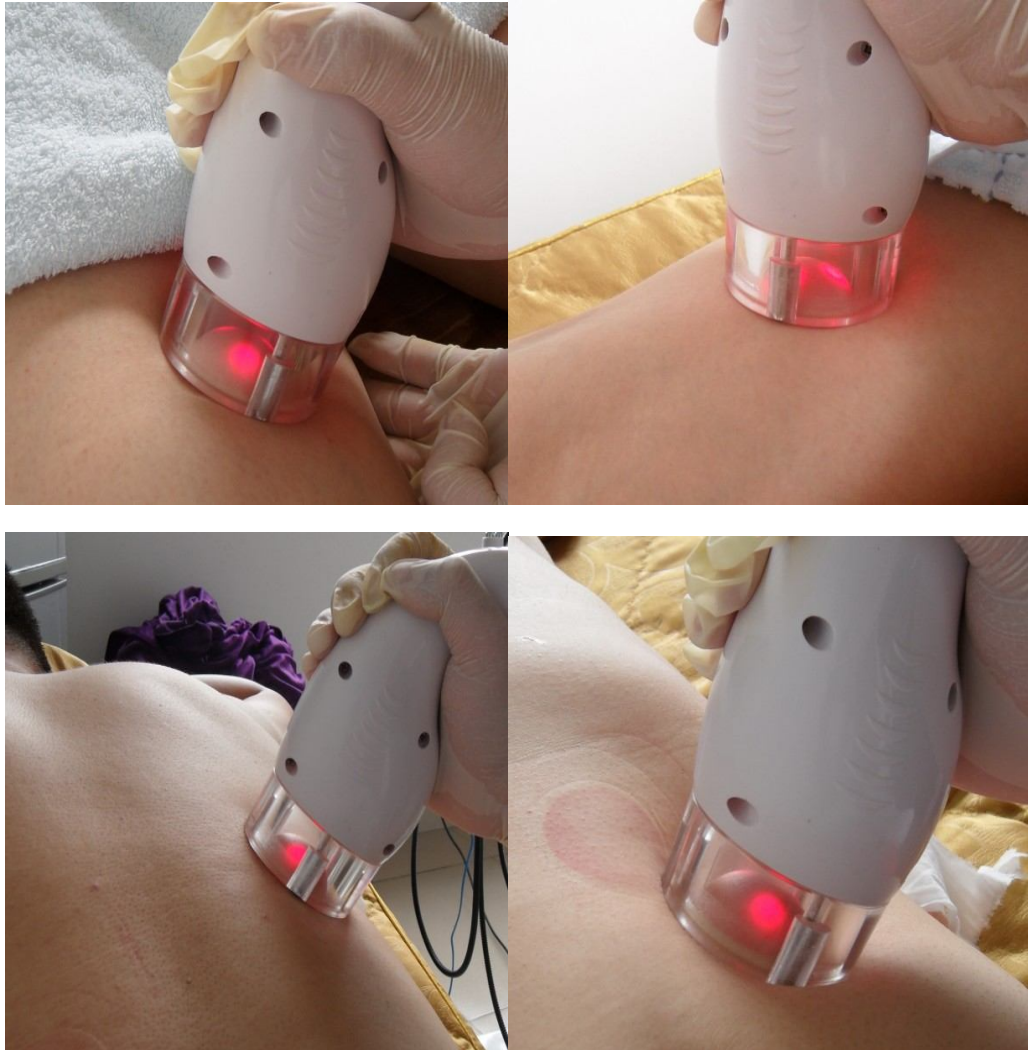
**Abdomen, waiste, sides, gluteus**



**ATTENTION: After each treatment you should carefully clean the handpiece from conductive gel**

## 3)VACUUM APPLICATION ZONES

**Leg, Arm, abdomen, backside**



## 10. CAVITATION PROTOCOL

Adjust the parameters and select appropriate handpiece. Put a lot of conductive gel on the treated zone (without conductive gel there is no cavitation phenomenon).

Clip the skin fold with one hand and with the other hand pass the handpiece over the skin fold slowly and in circles. The handpiece shouldn't be stopped in one zone.

The total treatment time is 30-40 min.

We advise to make focalized treatments. If patient wants to lose weight on abdomen, you should apply the treatment only in abdomen.

During the treatment patient will feel heat.

We advise to make one session per week. Complete treatment consists in 10-15 sessions.

Min. time between sessions should be 72 h.

Before the treatment the patient has to get off all jewels and other metal object.

## 11. LIPOLYSIS PROTOCOL

Adjust the parameters and select suitable energy level of monopolar rf and cavitation according to different patient. You can choose Cavitation and monopolar rf work at the same time, the treatment results is better for the treatment of muscle cellulite reduction, Put a lot conductive gel on the treated

zone (without conductive gel there is no cavitation phenomenon)

Clip the skin fold with one hand and with the other hand pass the handpiece over the skin fold slowly and in circles. The handpiece shouldn't be stopped in one zone.

The total treatment time is 20-30 min.

During the treatment patient will feel heat.

We advise to make one session per week. Complete treatment consists in 10-15 sessions.

Min. time between sessions should be 72 h.

Before the treatment the patient has to get off all jewels and other metal object.

## 12. TRIPOLAR RF PROTOCOL

Adjust the parameters energy of RF according to different patient, some patient can stand by hot energy, but some patient can not stand by so hot energy!

Before treatment, operator must cover some gel on the treatment place, When do the treatment, please make sure three polar contact skin very well, we recommend the operator move the tripolar rf handpiece from time to time, do not stay at the same treatment place all the time,

The total treatment time is 20-30 min.

During the treatment patient will feel heat.

We advise to make one session per week. Complete treatment consists in 10-15 sessions.

Min. time between sessions should be 72 h.

## 13. VACUUM PROTOCOL

Adjust the vacuum suck time according to different patient, some patient can stand by long suction time, but some patient can not stand by long suction time!

When do the treatment, please make sure Vacuum treat head contact with skin very well, make sure it does not leave out any air, we recommend the operator move the vacuum handpiece after release, in this way, it will not suck the skin

The total treatment time is 5-10 min. During the treatment patient will feel little pain, and skin become red, but it is very normal, after have a rest, it will become better and better

We advise to make three session per week. Complete treatment consists in 6-10 sessions.

Min. time between sessions should be 72 h.

## 14. PRECAUTIONS

- Before using the equipment, read the manual and keep it for future reference.
- Do not use the equipment for purposes other than those described in the manual.
- Never connect to the equipment parts or accessories that are not part of the lot delivered. All accessories must be original.
- The equipment is very fragile. Avoid dropping it.
- Reparations should be performed by authorized technical service.
- Clean the equipment with a damp cloth. Avoid pouring liquids into the equipment.
- Do not operate the equipment with wet hands.
- Do not twist or bend the power cable.
- Before cleaning, changing accessories, or transporting the equipment, make sure it is unplugged from the mains.

- Place the equipment in a well-ventilated area. Do not cover the equipment, or place anything on top.
- Do not use the equipment and accessories in the bathroom or near a microwave or oven.
- Before connecting it to the mains, make sure that the power cable is in perfect conditions. If the power cable is visibly damaged, replace it by a new one. Voltage should be 220-240V 50-60 Hz.
- Always turn off and unplug the equipment from the mains after use.
- Do not use the equipment on people under 18 years old.
- Do not use the equipment on animals.
- Do not use the equipment on other parts of the body than those described in this manual

## 15. CONTRAINDICATIONS

- Positioning the head in proximity to the brain region
- Positioned around the thoracic region, especially in head and heart proximity
- Positioning near sensitive organs (genitals, ovaries, head, etc.).
- Placement near the ears and ear canals
- Pacemakers or metal implants
- Acute inflammation of the tissues
- Severe hypertension
- Neurological interference
- Particularly serious heart condition
- Serious alterations of liver functions or renal failure
- Hereditary high triglyceride levels, or absorbed with a high degree
- Dermis / epidermis "infected" or "traumatized"
- Fever
- Serious diseases eg. TB
- Pregnancy
- Severe decompensated diabetes
- Scleroderma
- Breast treatment

## 16 AFTER-SALE SERVICE

We guarantee the quality of our products.

1. If there is any failure in the product, please inform us immediately by email or telephone and explain the problem.
2. We suggest that the client send us photos of the problem. We will provide a satisfactory reply in 1-7 days.

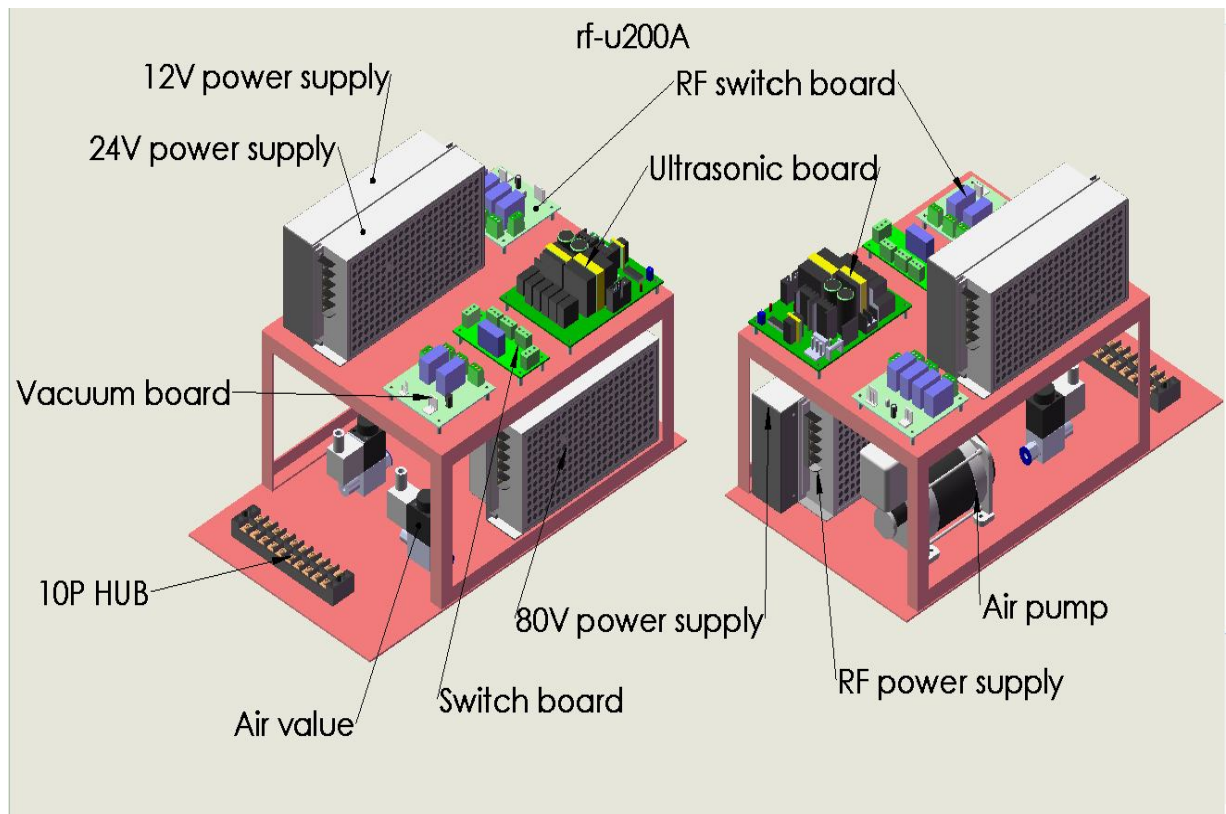
## 17. WARRANTY

The warranty period is one year from the date of purchase according to the reception (consumables are not included). When the warranty period expires, we provide a maintenance service with extra cost. Please contact your dealer to replace or purchase new accessories and consumables.

Warranty exceptions:

- a) Dismantling of the equipment by yourself
- b) Fall with no precaution;
- c) Negligence in maintenance
- d) Misuse or use for purposes other than described in the manual
- e) Problems with expendables
- f) We are not responsible for fix if user set the software are not under factory introduction

## 18. INSIDE STRUCTURE OF THE EQUIPMENT



## 19. COMMON SENSE OF USAGE

- 1) When the operator use cavitation function, remember that must ensure cavitation contact very well with the skin, do not make it work without contacting very well with skin, or it will reduce the lifetime of cavitation
- 2) When the operator use the tripolar rf, must ensure all three polar contact very well with the skin, make sure all three polar contact the skin very well, or it will burn the skin, please be careful when operate this
- 3) In order to make sure the equipment lifetime as long as it has, we recommend operator stop the equipment working for at least 10-20 min after each treatment
- 4) After each treatment, please clean very well all the treathead, make sure it is very clean, do not have any gel on it
- 5) Cavitation energy level setting according to different patient, set the suitable cavitation level according to patients's feeling

6)RF Energy level setting also is according to different patients, some patient can standby hot, but some patient can not, so setting this parapeter according to different patients's requirement

7)We recommend operator set the vacuum suck time for 1 second, or 2 second, if the suck time so long enough, patient will feel a little pain

Thanks for choosing Weifang KM Electronics Co., Ltd Product, Any question or need any more information, please feel free to contact us!