



HR-TX801

Warning

Dear users:

Thanks for choosing our company's product, in order to fully make use of the products, we sincerely suggest follow:

- ◆◆Please read the instruction in detail and keep it well for further reading and consulting.
- ◆◆Please follow the instruction to fit and operate the machine correctly.
- ◆◆Please do not remove and change any accessories of the machine.
- ◆◆It forbids others to open and remove the mainframe except the authorized people in the company.
- ◆◆It forbids others to change and maintain the machine except the professional people.
- ◆◆Please contact us if there is any trouble during operation.

After Sale service

◆We offer ONE YEAR warranty. Within warranty period, all exchanges or replacement due to defects are free. (Buyer is responsible for shipping charges).

If the machine is over warranty, please also do not hesitate to contact us. we will assure you of our best service all the time.

◆How to contact us?

Phone:(+86) 189 -487-55929

Tel: 0755-86368500

Email: sales@mychway.com

This product does not belong to medical, please don't use for disease treatment!


Table of Contents:

Warning.....	- 2 -
1. Introduction to Manual.....	- 4 -
1.1 Purpose.....	- 4 -
1.2 Conventions	- 4 -
2. Brief Introduction.....	- 5 -
2.1 Principle.....	- 5 -
2.2 Application.....	- 5 -
2.3 System Self-checking.....	- 6 -
2.4 System Classification.....	- 6 -
2.5 Equipment Specification.....	- 6 -
3. Standard Treatment Process.....	- 7 -
3.1 Form filling.....	- 7 -
3.2 Face cleaning.....	- 7 -
3.3 Preheating.....	- 7 -
3.4 Shaving.....	- 7 -
3.5 Gel coating.....	- 7 -
3.6 Eye protection.....	- 7 -
3.7 Allergic test.....	- 8 -
3.8 Operation.....	- 8 -
3.9 Cold compress.....	- 8 -
3.10 Cleaning.....	- 8 -
3.11 Treatment Course.....	- 8 -
3.12 Special reminding.....	- 8 -
4. Operation Instruction.....	- 9 -
4.1 Before starting the machine.....	- 13 -
5. Operate handle.....	- 26 -
Bipolar RF&Tripolar RF& Sixpolar RF.....	- 26 -
40K cavitation.....	- 27 -
Sixpolar RF vacuum.....	- 27 -
SHR hair removal.....	- 28 -
E-light handle.....	- 28 -
Laser.....	- 29 -
5. Treatment Advice.....	- 30 -
6. Safety Notice.....	- 31 -
7. Package list.....	- 32 -

1. Introduction to Manual


1.1 Purpose


This instructions for use manual provides a description of the system components, its controls and displays, instructions for its operation, and other equipment information important to the user


 **Warning:** Do Not operate this machine before reading this manual thoroughly. In addition to this manual,additional clinical training may be available by the company or your local distributor.

For more information on training available please contact your local representative.

1.2 Conventions

 **Note:** Notes designate information of special interest.

 **Caution:** Cautions alert the user to precautionary steps necessary to properly operate the system.Failure to observe these cautions may void the warranty

 **Warning:** Warnings alert the user to information that is of the highest importance and vital to the safety of the patient and user

All procedures are broken down by numbered steps.Steps must be completed in the sequence they are presented

Bulleted lists indicate general information about a particular function or procedure.They do not imply a sequential procedure.

Control names are spelled as they are on the system,and they appear in **Bold text**

2. Brief Introduction

E-light applies three core technology, IPL, RF, and epidermis cooling. It combines the advantage of IPL and RF, in one hand, the skin absorbs IPL energy selectively, and the skin also absorbs RF energy, on the other hand, the RF-surface-touch cooling technology removing the discomfort and complications by high heat of IPL. Therefore, the effect and safety of E-light makes a breakthrough.

Adopting the YAG to emit high energy instantaneously which smashing the pigment of pathological tissues, namely the YAG leading explosive effect: High energy emits instantaneously, making particular wavelength YAG penetrating epidermis and getting into pathological pigment tissues in only 6nms. Then pigments expand in top speed and explode. The superficial epidermis would be bounded out of body, other part of the pigments would split into granules which would be engulfed by macrophages, then exclude by the lymphatic system finally. The pigment becomes shallow gradually finally disappear while the surrounding normal skin tissues keep sound as they do not absorb particular wavelength YAG.

Cavitation with collective strong sound wave head, strong sound wave of 40000HZ may be emitted to vibrate fat cells at top speed and produce numerous vacuum air pockets inside and outside the fat cells, robustly impact fat cells to generate introverted blast and disintegrate triglyceride into glycerol and free fatty acids. Strong sound wave explosion fat head. With collective strong sound wave head, strong sound wave of 40000HZ may be emitted to human body for impacting fat cells fiercely and causing friction motion between fat cells. This may cause effective consumption of calories and moisture in fat cells and reduce the size of fat cells. What's more, sound wave vibration may cause fierce impact of fat cells to make them be exploded instantaneously, reduce the amount of fat cells and thereby achieve the effects of removing fat.

2.1 Principle

Applying the technique of IPL and Bi-polar Radio Frequency, the equipment acts on the entire skin corium and connective tissue, stimulates the collagens of different depth to realign and grow, then gets treatment effect. Bio-polar RF release energy at the same time, with the selective absorption for the skin to light energy, various pathological tissues of corium and epidermis creates Photothermolysis effect. Since light energy is far below conventional IPL, the pigment tissue and vascular pathological tissue of the corium and epidermis would absorb more energy without injuring the epidermis, and then remove these pathological tissues better and get the effect.

2.2 Application

- a. Hair removal (including dark skin);

- b. Skin rejuvenation
- c. Acne treatment;
- d. Removing freckle, age spots, sun spots, pigmentation troubles, etc;
- e. Removing red face, red capillary, and bottle nose.
- f. Cellulite removal.
- g. Tattoo Removal.

2.3 System Self-checking

The circuit of system entering the self-checking situation when the machine starts, leave the machine carry on the self-checking for 5-10 seconds, then continue the operation.

2.4 System Classification

Electric shock protection: Grade1

BF Grade

Corrosion prevention liquid: ordinary

Do not use the machine in the environment mixed of flammable narcotic and air or nitrogen oxide mixture.

2.5 Equipment Specification

Laser Parameter:

Wavelength:1064nm/532nm/1320nm

Power: 450W

Pulse Energy: \geq 1500mJ

Pulse Width: \leq 10ns

Impulse Frequency:1~5 adjustable

IPL Parameter:

Spectrum Range:430~1200nm

IPL Power: 800W

Cavitation Vacuum Parameter:

RF Frequency:2MHz

Vacuum:100KPA

Power: 100W

3. Standard Treatment Process

3.1 Form filling

Fill in the blanks of the Client File, confirm the treatment program, and remind the client pay attention to some points before and after treatment.

3.2 Face cleaning

Clean the face with gentle face cream for 3 minutes.

Remind: clean the hands of operator and the handpiece with bromogeramine.

3.3 Preheating

Start the equipment after face cleaning; preheat for not less than 3 minutes (without lighting the xenon lamp).

3.4 Shaving

Shave the unwanted hair of the treatment area(2 minutes).

3.5 Gel coating

Coating the gel evenly (2-3mm) on the skin.

Effect: light guide, cooling, anaesthetisin.

Attention: no coating on eyes, eyebrows, lips.

3.6 Eye protection

Operator: wear the safety goggles.

Patient: close the eyes, wear professional safety goggles or cover the eyes with eye patch.

3.7 Allergic test

Emit 2 or 3 light spots in the bottom of ears in safe parameter, observe for 3 minutes.
Effect: do not continue to operate if there is an allergic phenomenon.

3.8 Operation

Carry on the operation with a suitable parameter to the patient.

ATTENTION:

3.8.1 Inform the patient that there will be a slight pricking in operation before operating, to avoid panic.

3.8.2 Start the operation with a low energy grade; adjust the parameters in operating while asking the feeling of the patient.

3.8.3 Move the light spot by one spot overlapping the upper 1/3 part of the previous spot. No emitting one area repeatedly, otherwise may cause inflaming or burns.

3.8.4 The handpiece should touch the skin vertically, no over pressing or leaving the skin.

3.8.5 Observing the reaction of skin while operating.

3.9 Cold compress

Keep gel coating for 20 minutes after operation ending; carry out cold compress in obvious slight reddish reaction till reddish fading away.

3.10 Cleaning

Clean the gel with cold water, coat corresponding cosmetics.

3.11 Treatment Course

Skin Rejuvenation Program: 30-45 days/time (4 times/course)

Hair Removal Program: 2-3months/time (3times/course)

3.12 Special reminding

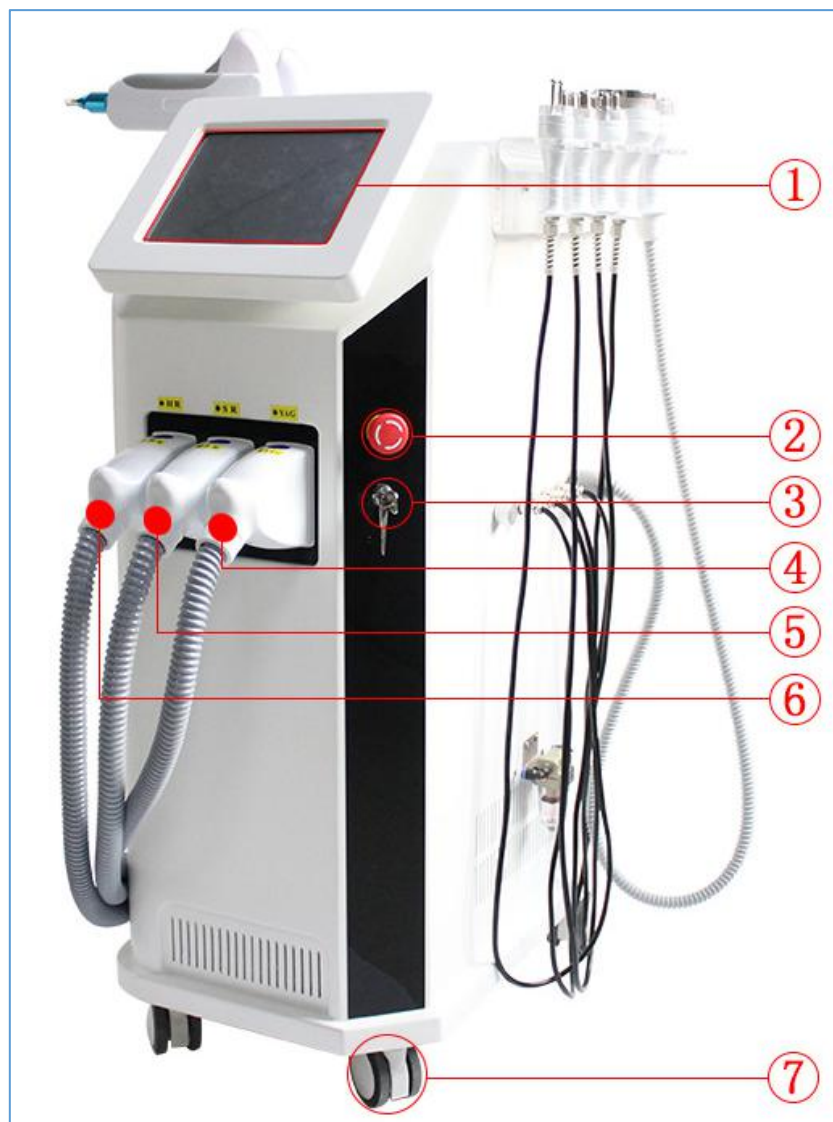
3.12.1 Ask the client before treatment: is there a allergic or not; is there a bad reaction before for similar operation; fill the Client File concretely. Adjust the parameters on the

basis of full acquaintance concretely. Adjust the parameters on the basis of full acquaintance of the condition of patient. Inform the patient the possible reaction in operation before operating.

3.12.2 In large area treatment or long time continuous operating, the water inside the equipment will warm up and the handpiece will be hot, interrupt the operation to refresh the water or leave the water cool down to continue operating.

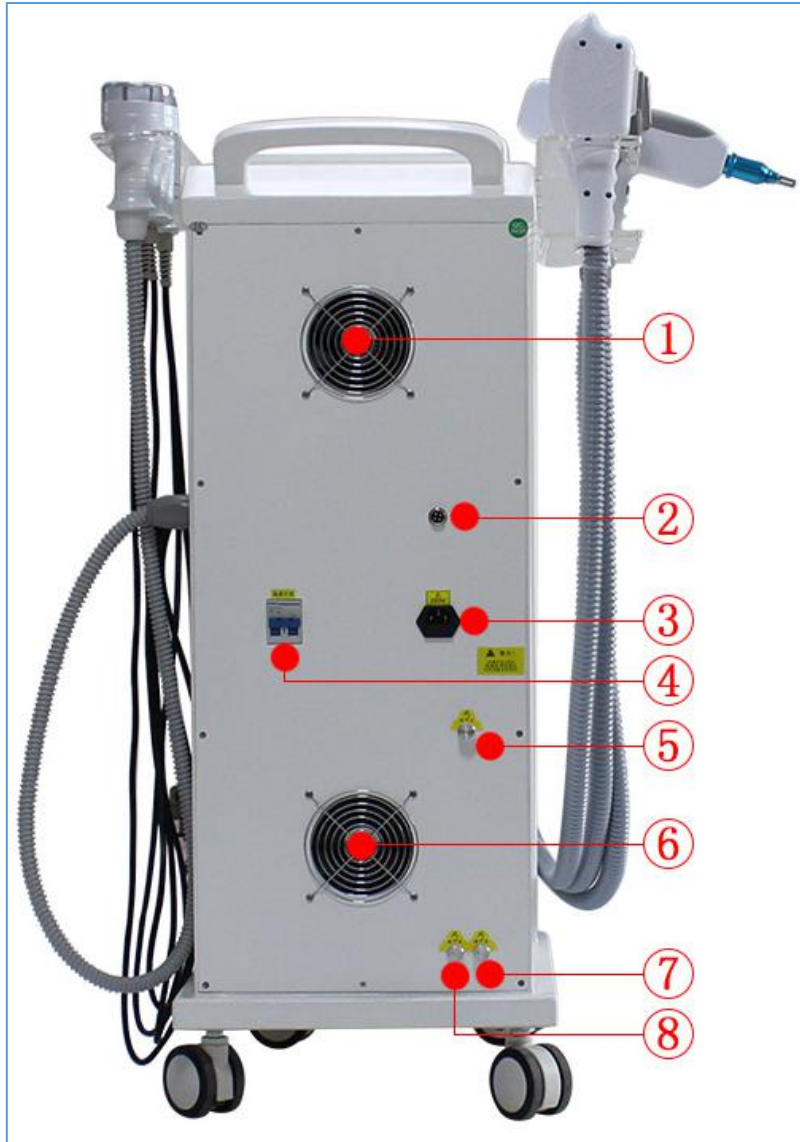
3.12.3 Refresh the circulating water in one month; use purified water or medical distilled water.

4. Operation Instruction

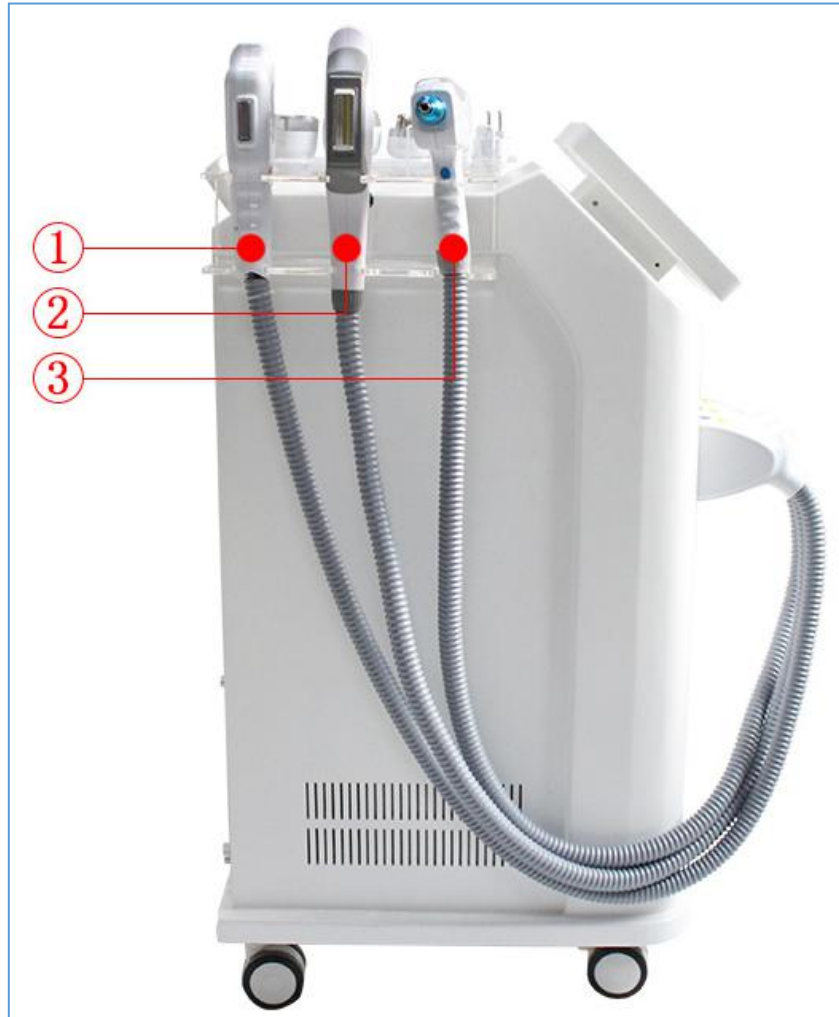


- ① 10.4 inch color touch screen
- ② Emergency button

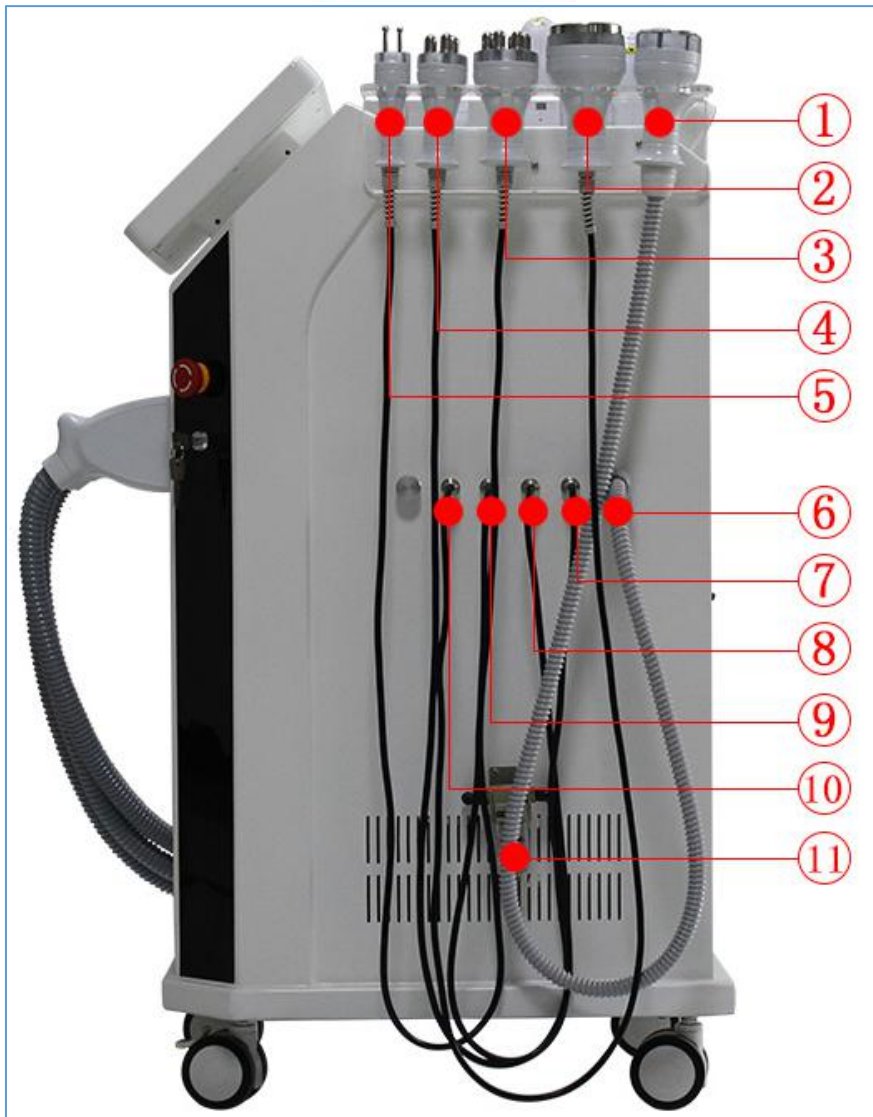
- ③ Key switch
- ④ HR socket
- ⑤ SR socket
- ⑥ YAG socket
- ⑦ Wheels



- ① Cooling fan
- ② Laser Foot switch
- ③ Power supply input socket
- ④ Leakage protection
- ⑤ Affusion
- ⑥ Cooling fan
- ⑦ Drainage
- ⑧ Overflow



- ① 8x40nm handpiece
- ② 15x50nm handpiece
- ③ Laser handpiece



- ① 6 polar RF vacuum handpiece
- ② 40k cavitation handpiece
- ③ 6 polar RF handpiece
- ④ Tripolar RF handpiece
- ⑤ Bipolar RF handpiece
- ⑥ vacuum handpiece socket
- ⑦ 40k cavitation socket
- ⑧ 6 polar RF socket
- ⑨ Tripolar RF socket
- ⑩ Bipolar RF socket
- ⑪ Filter

4.1 Before starting the machine

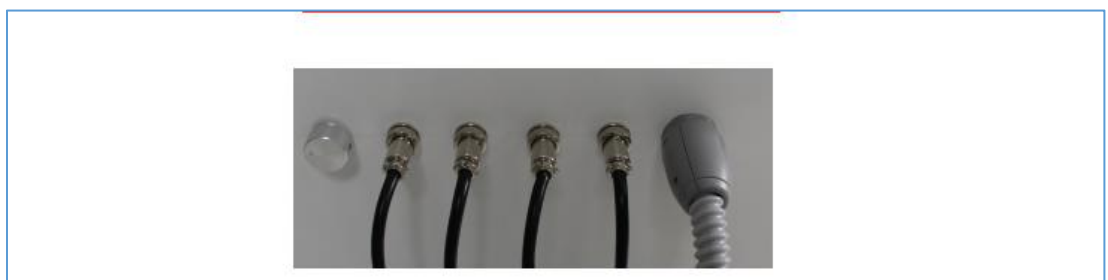
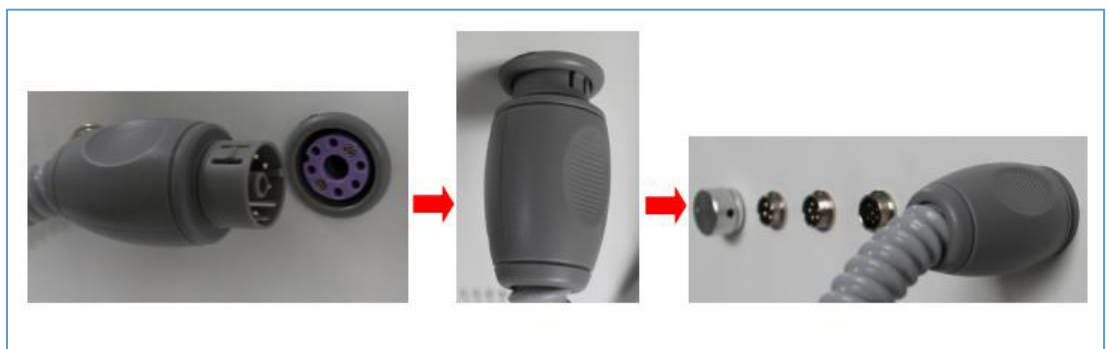
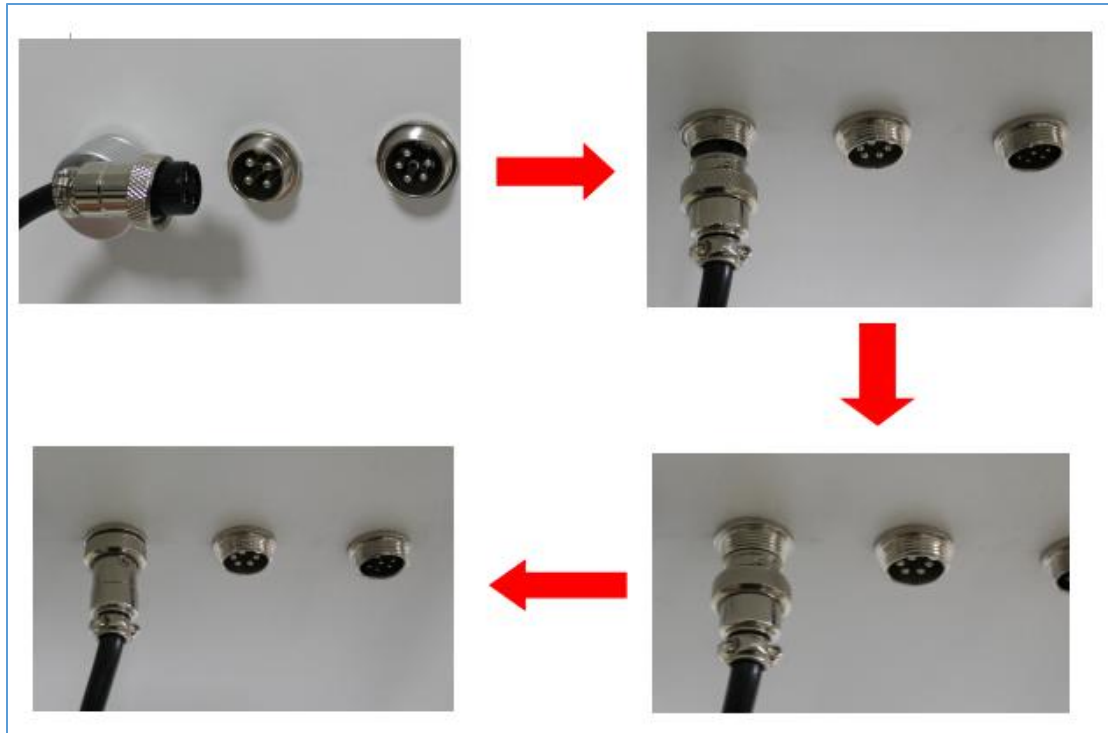
Accessories connecting: Connect the handle and filters:

Put the E-light handle on the hanger

Connect the HR handpiece, SR handpiece and YAG handpiece to the connecting port on the front board of the machine tightly.



Connect the cavitation and RF handpieces to the connecting port on the left board of the machine tightly.



Check the water holes of the backboard, make sure the water outlet hole is plugged well.

4.2 Water infusing

4.2.1 pull out the plug of the water inlet hole, insert the water funnel

4.2.2 infuse water till water spill out from the spillway hole.

4.3 Checking

- 4.3.1 Make sure there is no water leaking;
- 4.3.2 Make sure there is no moisture or wet for electricity connecting parts;
- 4.3.3 Make sure the key switch is in the off position;
- 4.3.4 Make sure the emergency stop switch is in the on position.

4.4 Starting the equipment

- 4.4.1 Connect the power cord, turn on the key switch;
- 4.4.2 Double confirm there is no leaking of water circulation, fold the protective cover by turning it right.

4.5. Debugging

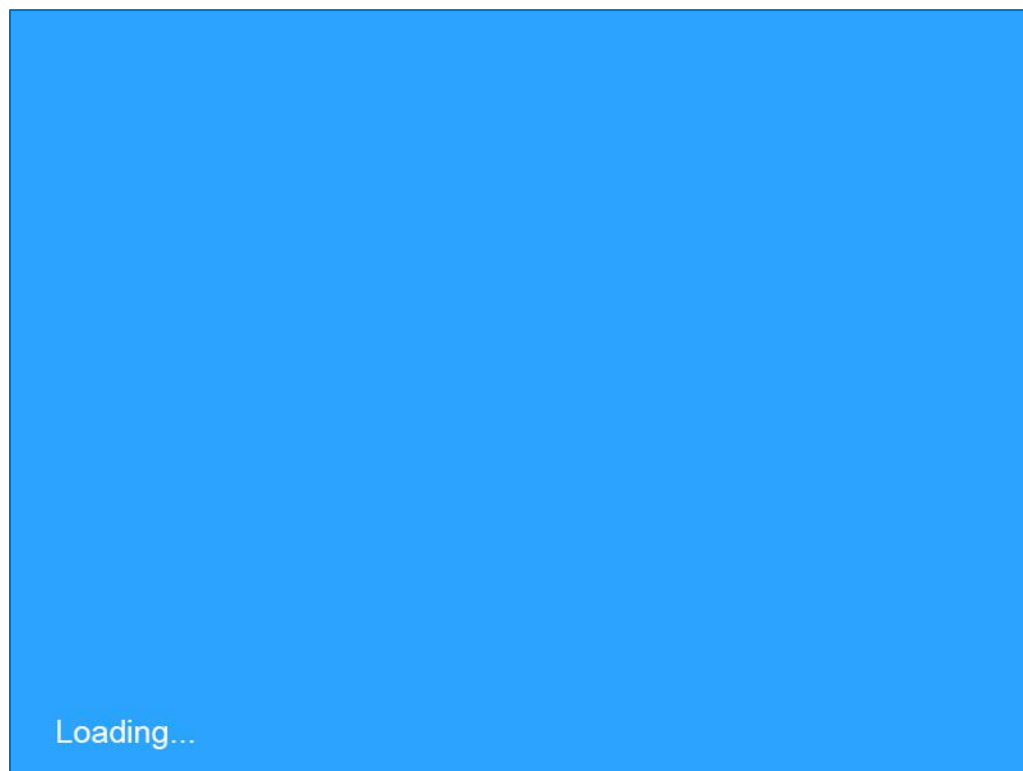
- 4.5.1. Make sure water and electric circuit is correct connected; then turn on the power to start the machine.
- 4.5.2. Turn on the master power switch on the backboard;
- 4.5.3. Turn on the emergency switch (clockwise turn) in the front side of the mainframe

4.6. Operation

Enter operation condition after debugging and no abnormalities found.
Treatment Program Selecting Interface

- **Welcome Interface**

Turn right the key to turn on the machine, the screen would show as follow:



indicates self - examination state

After the self - examination state completed, enter into the main menu as follow:



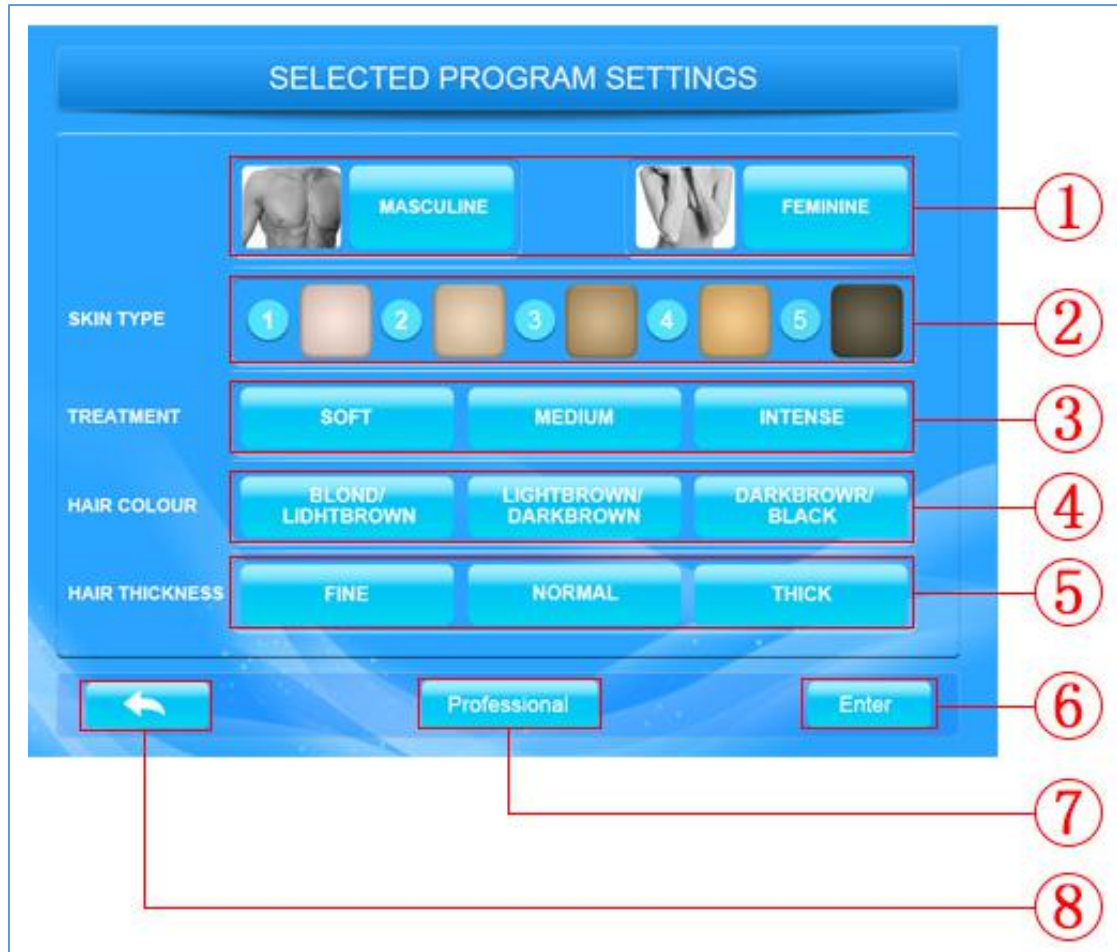
- **E-LIGHT Operation**

Press , enter into mode selection interface.

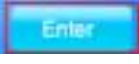


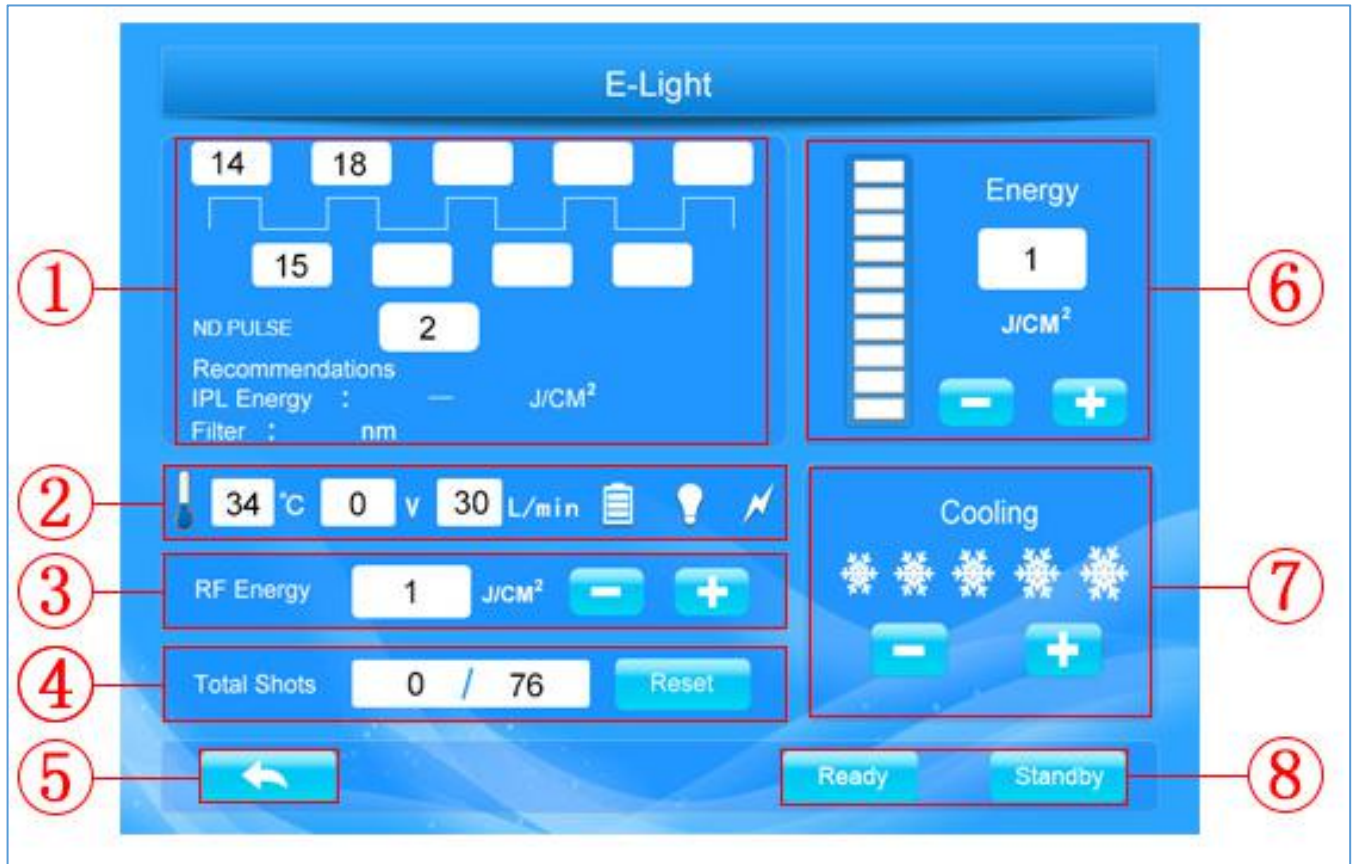
- ① Mode selection
- ② Back to last menu

Press **HAIR REMOVAL**, enter into skin color selection:



- ① Male/ Female selection
- ② Skin color selection
- ③ Treatment mode selection
- ④ Hair color selection
- ⑤ Hair type selection
- ⑥ Normal mode
- ⑦ Professional mode
- ⑧ Turn back

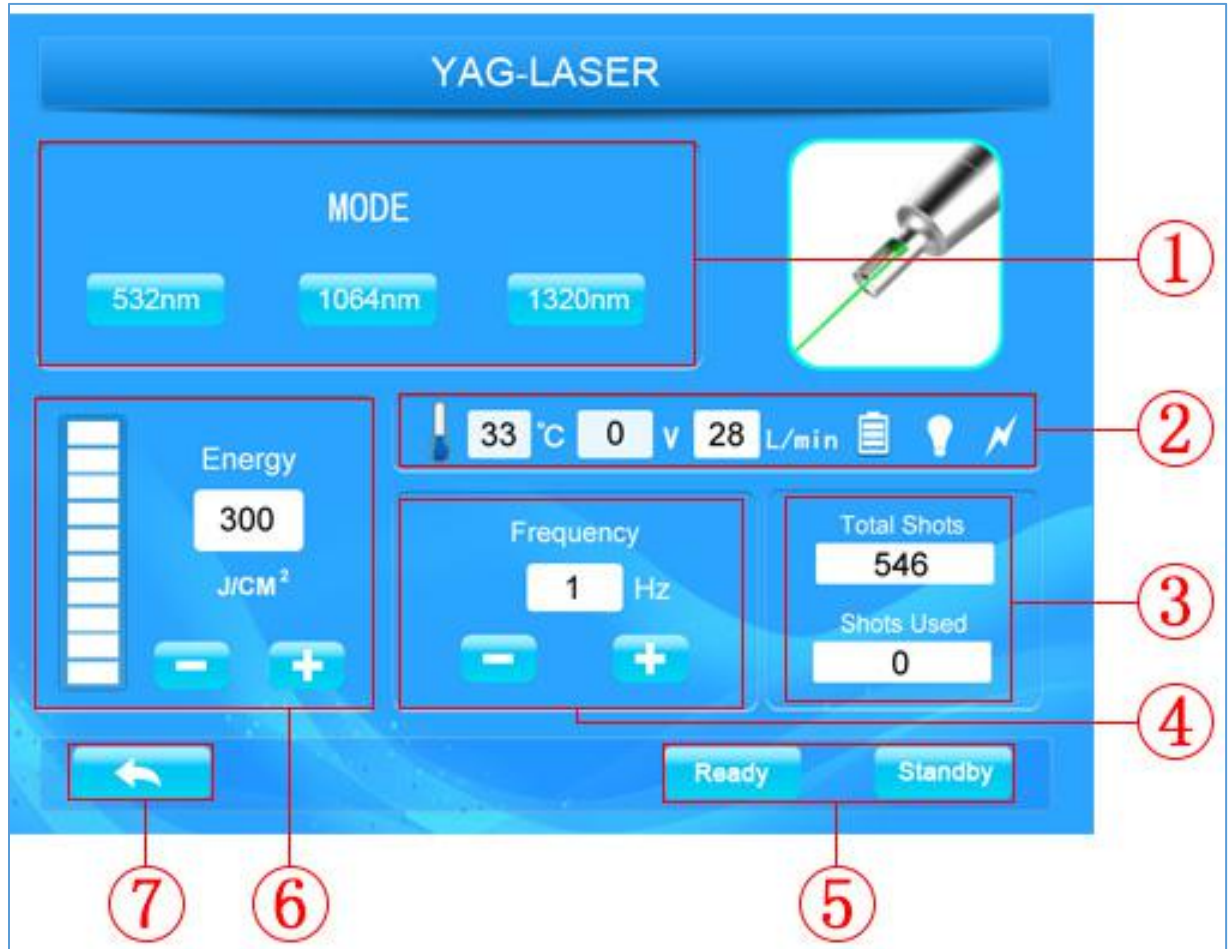
Press , enter into normal mode



- ① Parameter status(indicates the first pulse, delay, pulse number and time)
- ② Status window(indicates the water temperature, voltage, stage of charging, the stage of light and discharged.)
- ③ RF additional function
- ④ Shots number: refers to the total number/used number of times of shots
- ⑤ Back: click the button to back to last menu
- ⑥ IPL energy:adjustable range from 1~50J
- ⑦ Cooling system
- ⑧ Ready/Stanby::click to start/stop the machine

● **Laser Operation**

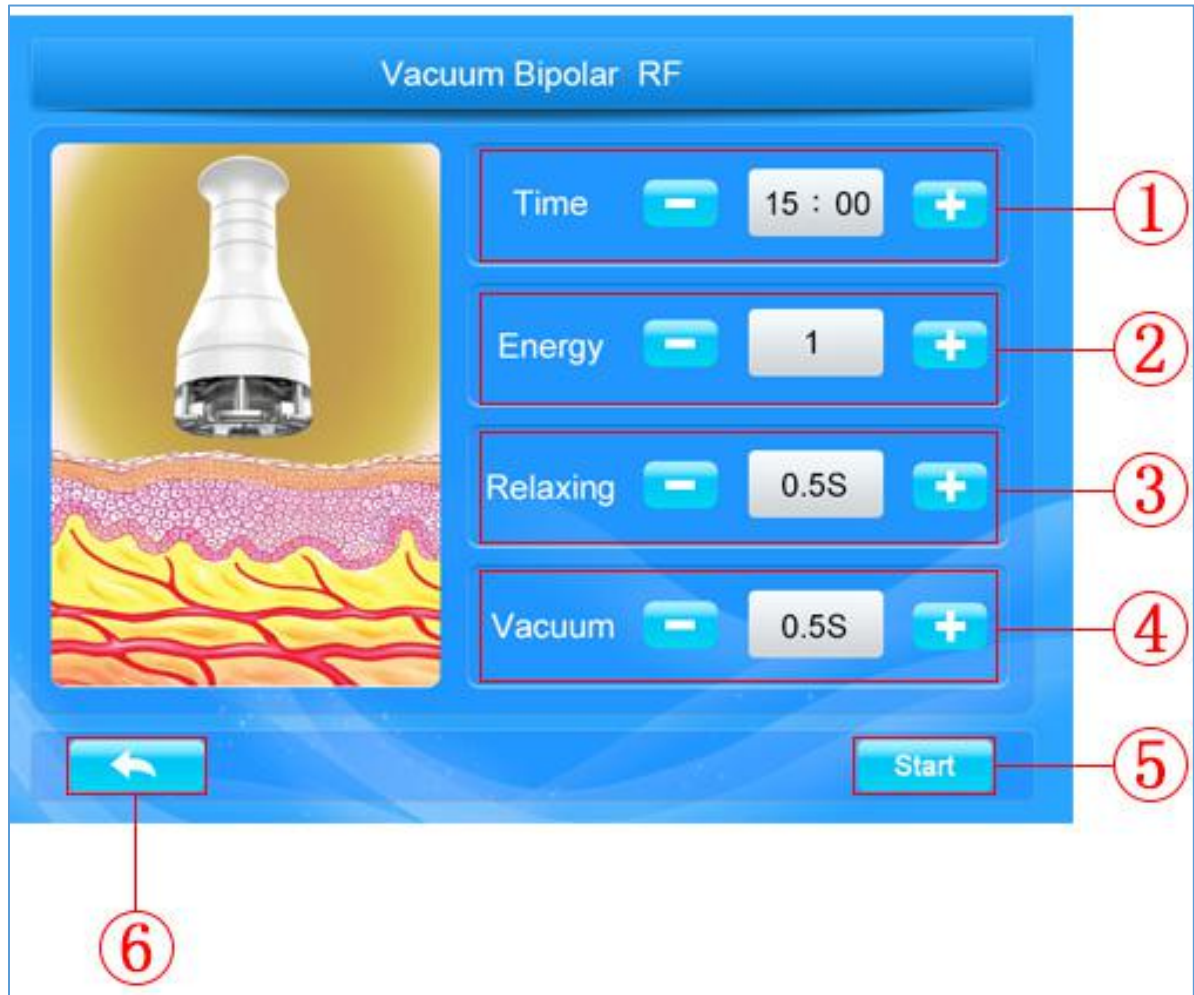
Press **C** **YAG-Laser**, enter into laser treatment interface:



- ① Tips selection (530nm, 1064nm, 1320nm)
- ② Status window(indicates the water temperature, voltage, stage of charging, the stage of light and discharged.)
- ③ Shots number: refers to the total number/used number of times of shots
- ④ Frequency sdjustment: adjustable range from 1~10Hz
- ⑤ Ready/Stanby::click to start/stop
- ⑥ IPL energy:adjustable range from 1~50J
- ⑦ Back: click the button to back to last menu

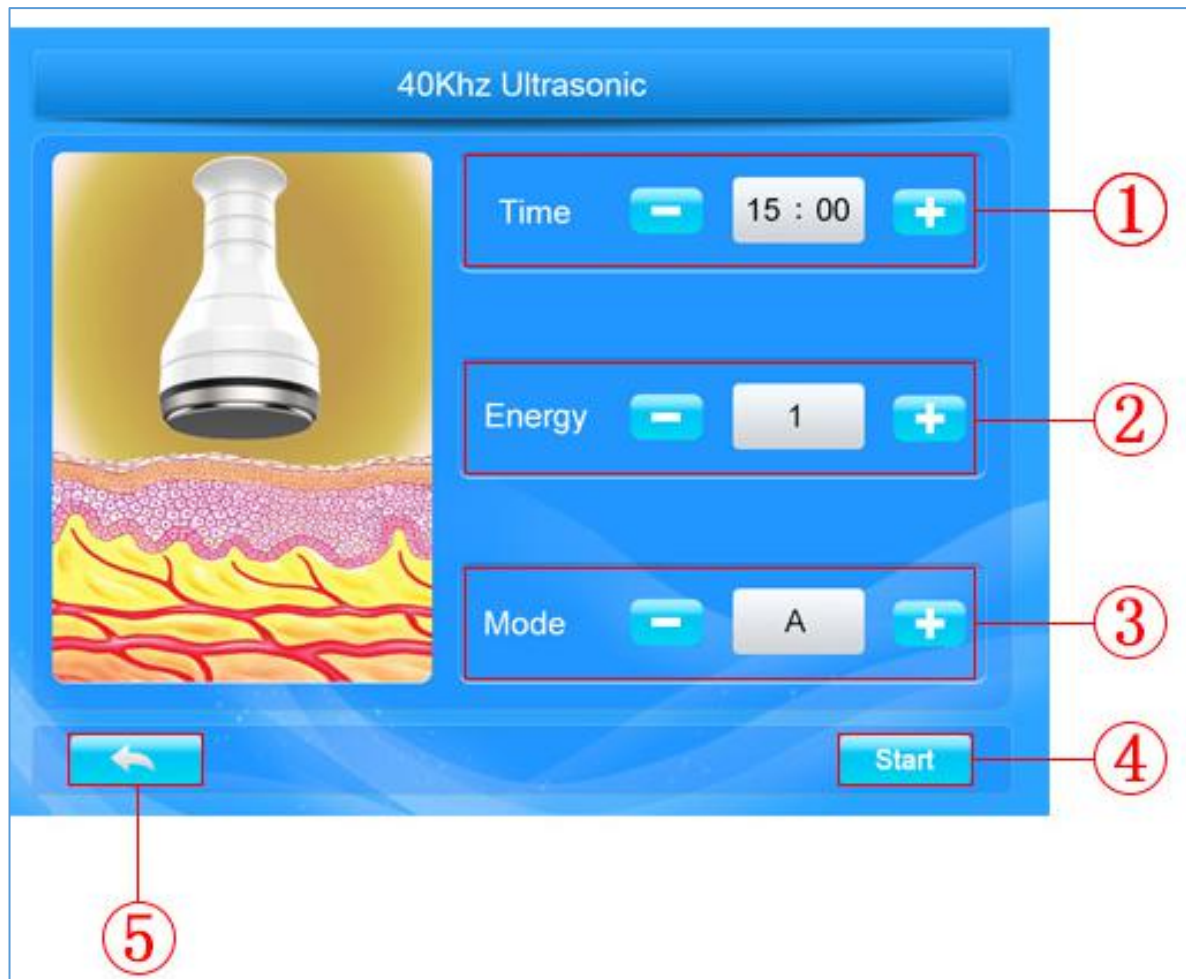
● Cavitation RF Operation

Press **D Vacuum+Bipolar RF**, enter into vacuum RF treatment interface:



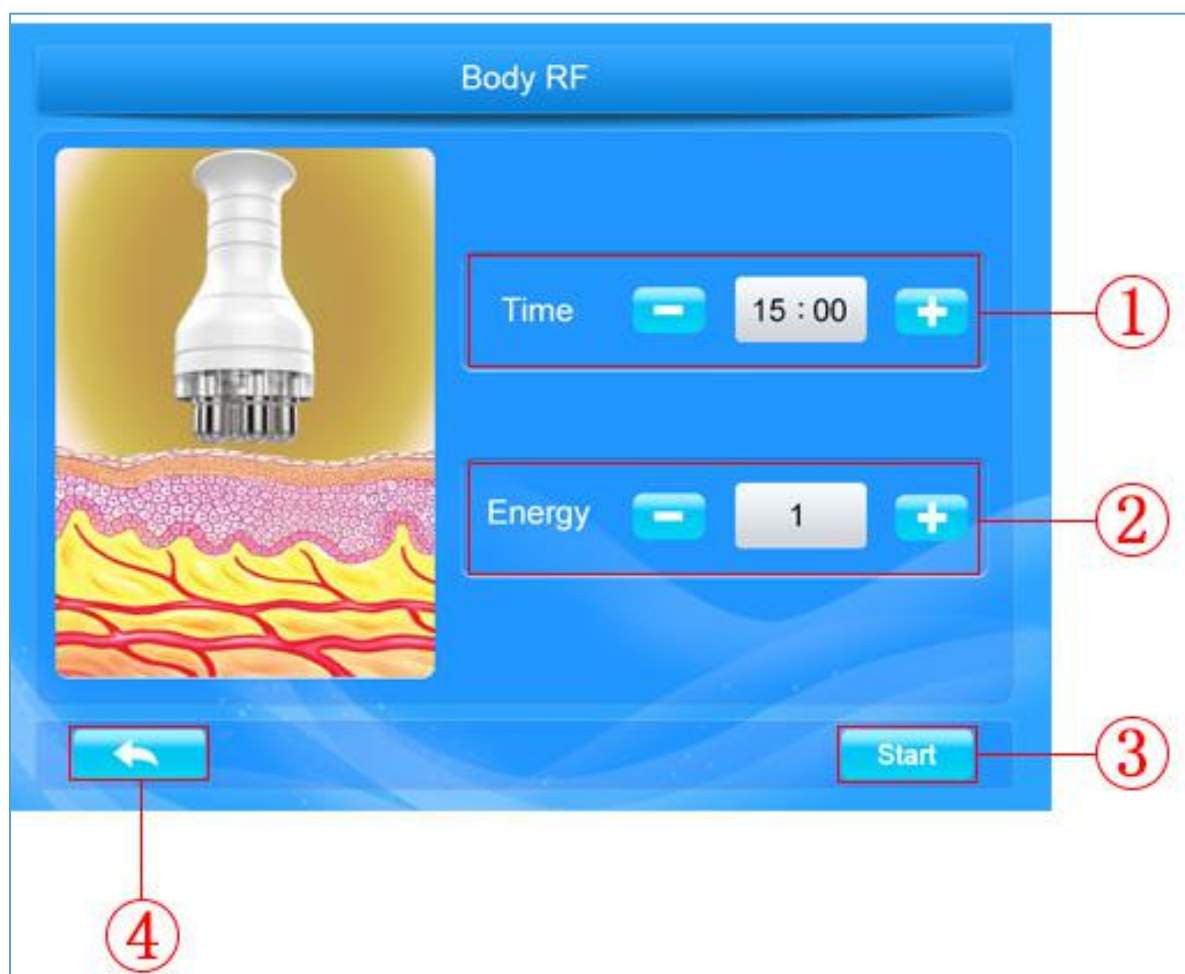
- ① Time Setting::adjustable range from 15min~60min
- ② RF energy: :adjustable range from 1~10J
- ③ Vacuum suction time
- ④ Vacuum relaxing time
- ⑤ Ready/Stanby::click to start/stop
- ⑥ Back: click the button to back to last menu

Press **E 40Khz Ultrasonic**, enter into cavitation treatment interface:

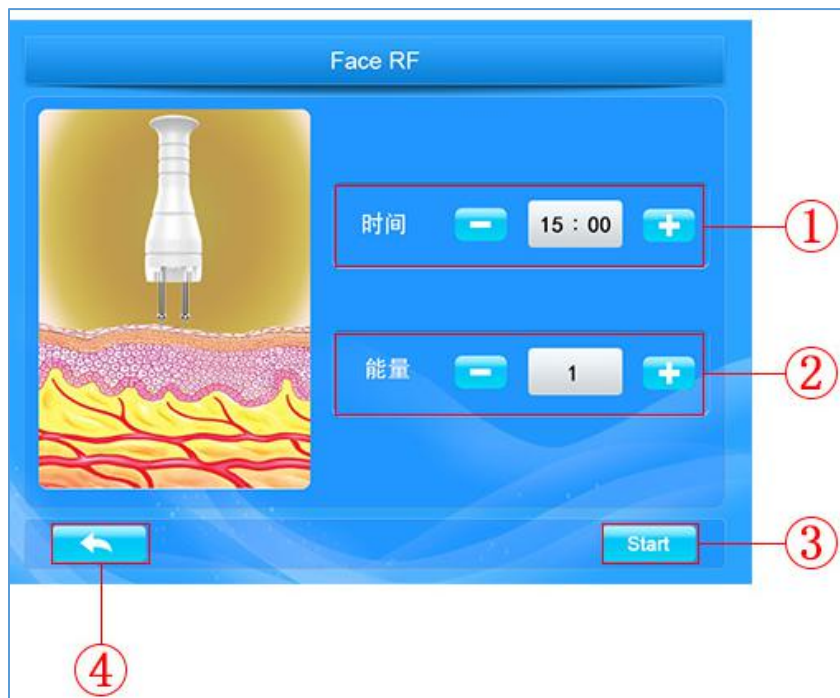
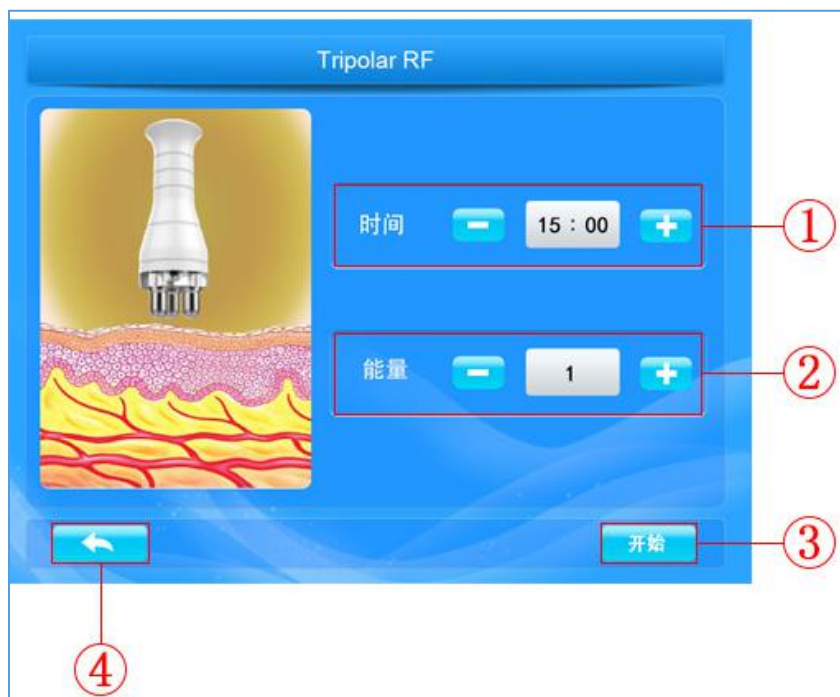


- ① Time Setting::adjustable range from 15min~60min
- ② 40K energy: :adjustable range from 1~10J
- ③ Output modes
- ④ Ready/Stanby::click to start/stop
- ⑤ Back: click the button to back to last menu

Press **F Body RF**, enter into RF treatment interface:

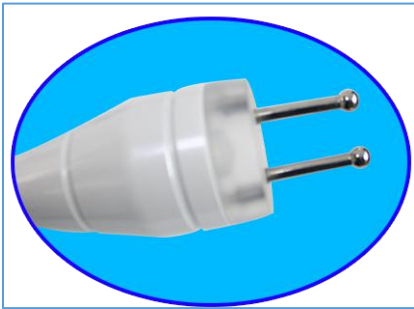


- ① Time Setting::adjustable range from 15min~60min
- ② RF energy: :adjustable range from 1~10J
- ③ Ready/Stanby::click to start/stop
- ④ Back: click the button to back to last menu



5. Operate handle

- **Bipolar RF&Tripolar RF& Sixpolar RF**



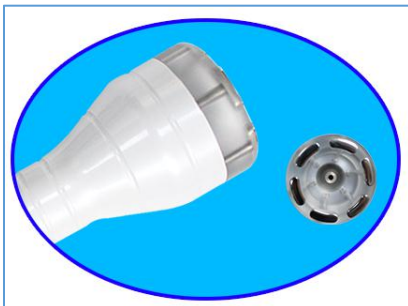
Facial RF& Body RF head capacitive coupling electrode is used for transmitting radio-wave energy and generating an electric field for entering into subcutaneous tissue through the skin surface. In the high-frequency of 450khz, this electric field changes its polarity for 450,000 times per second. To reply to the rapid change in electrode, directions of electrical particles the skin are also changed. By this time, natural electric resistance in the subcutaneous tissue moves and generates heat energy. As the papillary dermis collagen may immediately shrink when the temperature is within the range from 60 to 70 Celcius degree, after wrinkle operation, client may immediately sense the skin tightening effects as it is being lifted and firmed. When collagen is produced continuously, thickness and density of the skin papillary dermis may be increased to remove wrinkles, eliminate scars, restore skin elasticity and gloss and make it be blonde and smooth. While collagen is increased, fresh skin is generated in the position of operation and wrinkles are removed by large amount of cells. In addition, when cortex without elasticity or that with thick horny layer in the area with wrinkles is separated, surrounding skin will also be renewed.

● 40K cavitation



With collective strong sound wave head, strong sound wave of 40000HZ may be emitted to vibrate fat cells at top speed and produce numerous vacuum air pockets inside and outside the fat cells, robustly impact fat cells to generate introverted blast and disintegrate triglyceride into glycerol and free fatty acids. Then RF waves at frequency of 1MHZ is used for exhausting the integrated glycerol and free fatty acids through hepatoenteral circulation. Finally, vacuum RF and energy electrode are used for positioning and tightening fat. In physics, it is known as "cavitation". Micropore introverted blast inside and outside cell may lead to enhanced molecular motion and a higher energy level and this will finally cause fat cell rupture and thereby achieve the effects of body building and losing weight.

● Sixpolar RF vacuum



For body and face re-shaping. Weight loss Vacuum+RF fat-explosion machine can promote tissue metabolism, repel the cellulite, which make fat granule in different depths and shocking make fusion energy, and the deepest receptor can get granule in 3CM thick of skin, and rapid expansion and the rapid heating of the cell wall that exceed the elastic limits and arises cells broken, so that the combustion of fatty acids at the same time broken out of a pot, not only the burning consumption of fatty acids but also more directly emptying so rapidly reduce the size of granule

● SHR hair removal



SHR=Super Hair Removal, professional wavelength of hair removal can reach to papilla, and continuously shines to ensure the target tissues produce sufficient heat that makes hair follicles and stem cells around them lose activity until hair follicles atrophy and hairs stop growing; latest single pulse technique and sapphire contacting operation head making operation and cooling work simultaneously, not only

have a good long-term effect in hair removal, but also protect normal skin tissues from harm and make customers feel more comfortable during the operation.

● E-light handle



640nm For hair removal



530nm For skin rejuvenation, pigmentation



480nm For acne removal

Range of application:

Hair removal: permanent hair removal, hairs through whole body(hairs in growing period, including tiny hairs with light color)

Pigment: Freckle, Chloasma, age pigment, sunburn, chorioplaque, all kinds of pigmentations.

Skin Rejuvenation: improving large pores, rough skin, tiny wrinkles, and restoring skin elasticity.

Vascular lesions, red face, and red capillary.

Acne: allergic acne, acne, blackhead, bottle nose.

Advantages:

Shorter time: each treatment takes only 20~30min.

Painless: comfortable and relaxed during hair removal.

Non - invasive: no harm to skin.

● Laser



Blackdoll For whitening, removal blackhead

532nm (祛斑、祛彩色色素)

1064nm For tatoos, eyebrow removal

Treatment therapy:

Eliminate spots, remove tatoos: the specific laser wavelength will effect on melanin of epidermis and demis. The pigments will begin to swell and explore to tiny particles after absorbed this high energy laser. One part of them will be shot out of the body, the other parts will be gradually removed by metabolism.

Application:

To wipe out tatoos, to eliminate eyebrow cleaning, eyeline cleaning, age spots, birthmark,ect.

5. Treatment Advice

- Hair Removal: Strong pain, follicular orifice will become a little reddish, with a burning smell. Caution for arms, lips, and legs hair removal; avoid pigmentation by over high energy. According to the growing period of hairs, growing period- maturation period-rest period, 3 times of treatment will remove the hair completely.

Parameter control: Long pulse width, long interval, suitable energy.

- Skin rejuvenation: Strong pain under the patient limit, reddish; redness disappear in 10 minutes. No suggesting repeat operation.

Parameter control: Long pulse width, long interval, high energy.

- Acne scar: Patient would have a strong pain (under the limit of patient). Pigmentation will decline in 3-7 days.

Parameter control: Long pulse width, short interval, high energy.

- Vascular, redness: Using high pulse width on the basis of easing the skin.

Parameter control: Long pulse width, long interval, suitable energy.

- Pigmentation: strong pricking for the first treatment (under the tolerance of the patient). One minute after receiving emitting, there will be slight reddish, which will fade away in 10 minutes, (for someone special, maybe 30 minutes). Punctuate pigment will appear on the surface of skin and will be metabolized in 3-7 days.

Parameter control: Long pulse width, short interval, medium energy.

Special Attention:

For the sensitive and dark skin, there might be delayed reaction in 24-48 hours, therefore do not raise the energy casually. Adjust the parameter value according to the whiteness of skin. The whither, the higher endurance of the skin is. For dark skin, please pay more attention to use long interval and suitable energy of parameter value.

Skin care after treatment

1. Use some sunscreen lotion in case of sunburn
2. Pay attention to moisturizing skin very often.
3. Do not make a lot of face expression in 3 hours after treatment.
4. Do not never go to hot place, like Sauna, spa.

6. Safety Notice

● Safety of E-light

The equipment takes maximum consideration of the safety of both operator and operatee in the designing, the following are some safe measures of it:

Circuit self-checking after machine starting;

Using filter/light guide crystal, strong pulse light comes out only

Designed with independent safety circuit, electricity could be shut down automatically when the IPL power is too high;

Emergency stop switch, shut down the power in emergency;

Key switch to avoid starting the machine by any people;

Use high quality engineering plastic frame, preventing electricity creepage.

【Alarm】

All strong pulsed light device may cause hurt by improper handling. Operators should keep vigilant and take necessary protection measures according to the manual.

Patient: Carry out the treatment in the professional treatment room; take effective eye protecting measure;

Operator: wearing protective glasses;

Treatment room: marked the treatment room clearly with in operating of IPL.

To ensure to the safe use of the equipment, please read the following instructions carefully.

No one except technician authorized by the manufacture could dismantle or repair the equipment, especially for the power source, handle; high voltage electricity inside;

Voltage rating: 220V;

Maintaining the equipment after disconnecting the power cord;

Keep the handle clean all the time; do not let the gel leaking into the handle;

In case leaking of the handle, do not start the equipment; already started, turning off immediately;

No emitting light to one area repeatedly, otherwise may cause inflaming or burns, and may leave pigmentation.

【Alarms of Strong IPL】

IPL may hurt the eye or cause burns or fire, take all necessary prevention measures before operating;

Emitting too much light to one part may burn the skin which may cause pigmentation;

Do not watch the IPL light directly from the handle even wearing protective glasses;

● Electricity & Machinery Safety

Keep all the boards closed, open the board may bring danger;

There is high voltage electricity inside, some parts still carry electricity even after turn off the power, therefore, do not dismantle the backboard without under supervising by our technicians;

Do not move the equipment by pulling the handpiece;

Do not use the equipment in inflammable and explosive environment;

Do not use alcohol or acetone before treatment;
Do not start operating before the handpiece dry enough after clean the handpiece or other parts of the equipment.

● **TABOO**

The following people are not suitable to be operated by the machine:

1. pregnant, high blood pressure, heart attack, diabetic;
2. allergic to IPL;
3. open wound parts;
4. people who could not avoid strong sun light;
5. scar, birthmark, or mole higher than the skin.

● **Attentions After Treatment**

1. Not using irritative makeups;
2. No hot water face wash or sauna in 7 days;
3. No stimulating food or pigmentary food as chocolate, coffee; no smocking; no drinking;
5. No scratch in case of scabbing;
6. Make a water replenishing care in 10 days.

7. Package list

1X Main unit
1x Power line
2xProtective tube 10A
1x water-injected Funnel
1x Laser pedal
1x E-light handle (with 5 filters)
1x SHR handle
1x Laser handle
1x sixpolar RF vacuum handle
1x 40k cavitation handle
1x sixpolar RF handle
1x Tripolar RF handle
1x Bipolar RF handle
2x Handle Holders