

INCREDIBLE

TM



ATHENA SUPER ICE

**Medical model V19
Instruction Manual**

Catalog

Chapter 1 .Machine Safety	3
Chapter 2.Machine Introduction	4
Chapter 3.Machine Installation	7
Chapter 4.System Introduction	11
Chapter 5. Treatment Steps	12
Chapter 6. Routine Maintenance	14
Chapter 7.Product Parameters	15

Introduction

Respected User

Welcome to use diode laser hair removal equipment, we are very honored to have your trust in our equipment. In order to facilitate your use, we are equipped with an instruction manual, including machine safety introduction, operating functions, installation instructions, operating instructions, daily maintenance instructions, etc.

Special statement: Please read through this user manual before using the product and keep the manual for future use., if you encounter any problems during use, please contact us, we will serve you in time. Taboo:

Cancer; especially skin cancer

Pregnancy (including IVF)

Use of photosensitive drugs and herbs, laser exposure is contraindicated

Diseases that may be stimulated by laser exposure

Prolonged exposure to sunlight or artificial tanning for 3 to 4 weeks before and after treatment

Active herpes simplex infection in the treatment area

History of keloids and Fragile and dry skin

Hormonal disturbances (under intense light stimulation)

Use of anticoagulants

Epilepsy

History of coagulation disease

Chapter 1 .Machine Safety

The machine has many safety marks. Please be familiar with these safety signs before use.

2.1 Electrical Safety

1.Power protection:When the power is overloaded,The "air switch" at the back of the machine is automatically turned off to protect the machine.After it is normal, start the "air switch" and restart the machine.

2.Software Protection:If the water flow does not circulate, The machine will make a beep sound, please check the machine

3.Emergency stop protection:In an emergency, please quickly press the emergency stop button or the start button.

2.2 Laser Safety

Diode laser hair removal equipment emits high-intensity laser,both direct and reflected light are dangerous to the eyes.

1.Indicator lights:

When the machine is ready , the indicator light flashes,the machine starts to work, the indicator light is always on and there is a sound.

2.When the machine is working, the handle starts to cooling, if the water flow stops or the water temperature is higher than 40°C, the machine will sound an alarm. please check the machine.

Warn

- Any laser emitting device can cause injury if used incorrectly. Personnel using the machine must be aware of possible dangers and take correct protective measures.
- Laser can cause severe burns. Do not leave on skin for long and do not use on sensitive skin areas. Children and incapacitated persons should not use the machine

2.3 General considerations

1. Matters needing attention

- ⚠ Please read this manual before operating the machine.
- ⚠ Handles need to be kept clean and dry.
- ⚠ The machine weighs approximately 100 lbs (46 kg) and could cause injury if not guarded while moving.
- ⚠ Move the machine with care and protect the handle, never pull the machine by the handle or power cord.
- ⚠ Unauthorized personnel from the manufacturer are prohibited from disassembling the machine (including the machine, handle, etc.).
- ⚠ Please confirm that the machine is suitable for the standard voltage of your country.
- ⚠ Please disconnect the power supply during maintenance, otherwise it may cause injury to the operator and damage to the machine.
- ⚠ Do not leave the machine while it is running.
- ⚠ Untrained personnel are prohibited from operating the machine.
- ⚠ Please check the handle before use. Do not use handle if visible damage appears.

2. Safety glasses

- ⚠ All personnel must use safety glasses with full eye protection:
- ⚠ The safety glasses provided by the machine have a beautician's glasses, a customer's glasses,
- ⚠ Clients are required to close their eyes during the treatment even if they are wearing protective glasses.

3. Explosion and fire hazard ;

- ⚠ No flammable and explosive substances,
- ⚠ No alcohol, gasoline and other volatile solvents,

- ⚠ Do not use flammable substances such as alcohol or acetone for treatment.
- ⚠ Wash the treated area with soap and water before treatment.
- ⚠ If cleaning the handle with alcohol, please keep the handle dry before use.

4. Risk of electric shock;

- ⚠ In order to avoid personal injury, do not operate machine until power cord and handle are properly installed.
- ⚠ Do not attempt to disassemble the machine or handle.






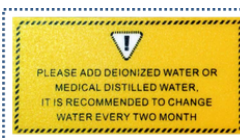


5. Cooling system

Cooling the handle can reduce the patient's pain sensation and reduce side effects, do not stop on the skin for a long time to prevent frostbite

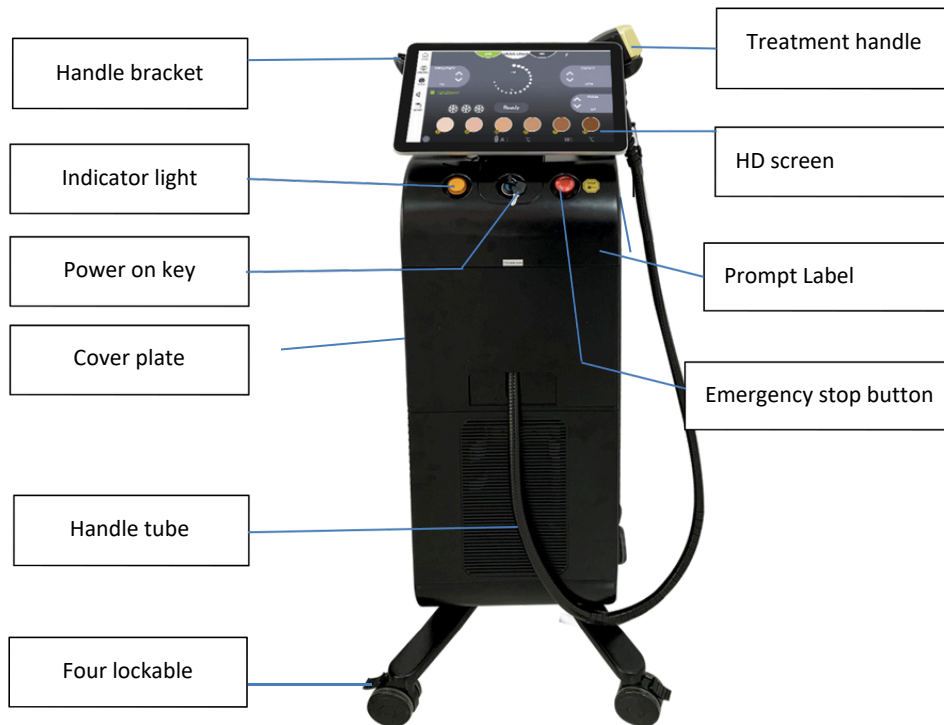
Handle treatment head (picture2-9)










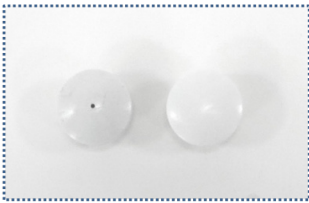
2.4 label description

	Please use the device when the air temperature is below 26°C
	Foot switch
	Tank water level
	Water out put
	Water input
	Add deionized water or pure water to the water tank
	Air switch
	Tank water level

Chapter 2. Machine Introduction



2. Accessories

Customer glasses	Beautician glasses
	
Water filter (two)	Foot switch
	
Power cord	key chain
	
Funnel	Key pendant
	

3.3 Facility needs 1. Environment, space and location

AirQuality:Non-corrosive environment. Airborne dust particles

should be kept to a minimum. Dust particles absorb light and generate heat, and if they enter the crystal, it will affect the therapeutic effect, and in severe cases, the laser will be burned.

- ☐ **Water quality:**Use deionized water or purified water.Tap water contains impurities that will damage the cooling system and laser
- ☐ Temperature:Keep room temperature between 24°C and 26°C
- ☐
- ☐ Maintain air circulation, machine and wall at least 20inches (0.5m), **lock front casters and secure machine.**



2. Electrical requirements

- ☑ Keep the voltage stable
- ☑ Please prepare a separate power socket: 120VAC±10%, 50/60Hz, or: 230VAC±10%, 50/60Hz,
- ☑ A good grounded power supply is very important for safe operation.

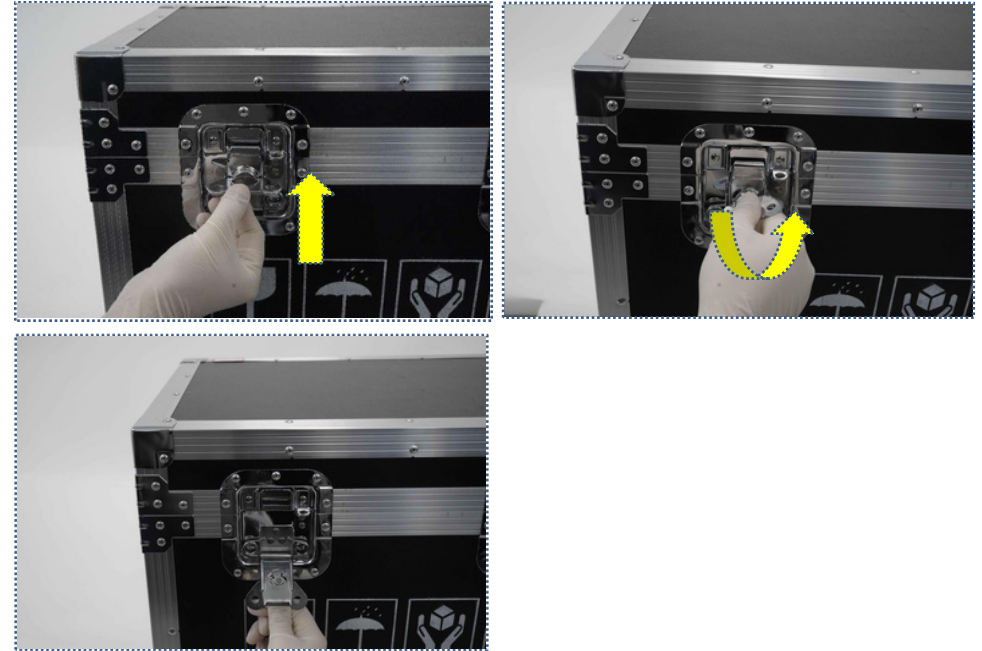
Hint:

1. The power supply requirements of the machine are suitable for the general power supply (110V/220V) in your country.
2. The machine should be connected to a separate power outlet.

Chapter 3. Machine Installation

Unpacking instructions

Unpacking: Step 1: Straighten the buckle as shown in the figure; Step 2: Rotate and unlock counterclockwise (Figure 3-4)

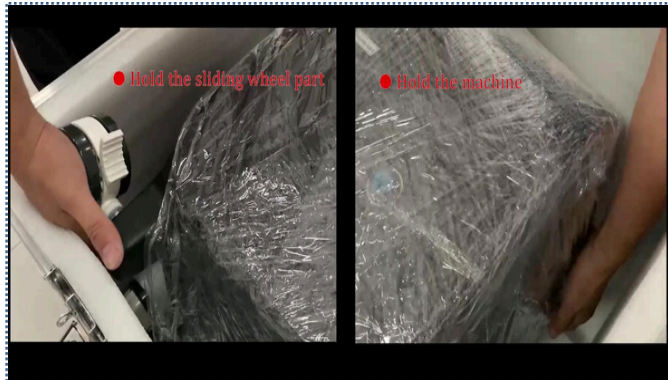


(Picture 3-4)

Installation note:

Report any damage to the package to your salesperson before opening the package

1.Remove the foam board, Check accessories



2. Two people lift out the machine together, non-transportable positions (push handles, machine shell),
3. Slowly place on the flat ground and lock the casters
4. Starting from the front of the machine, remove the protective film in order.

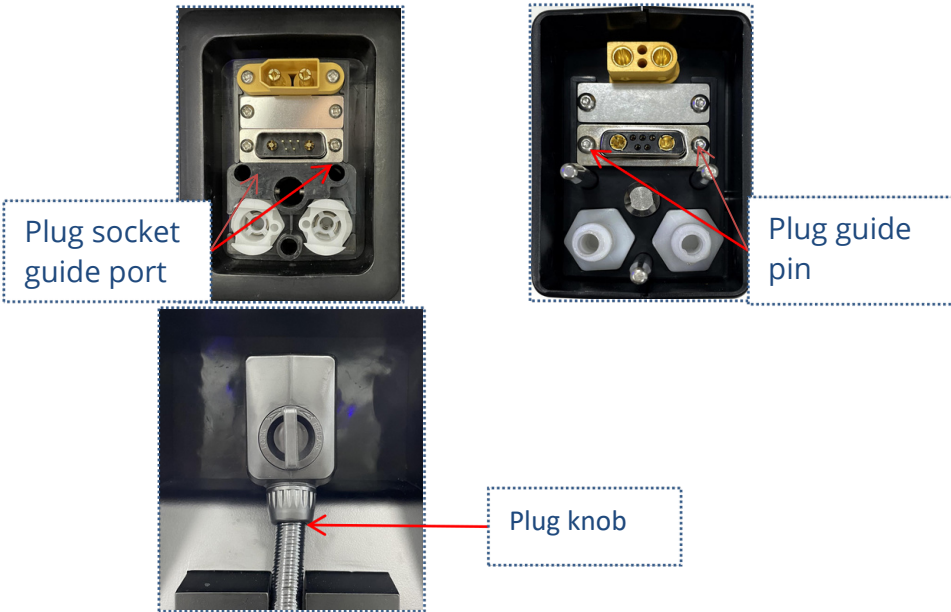
Preparation tools:

- ① handle
- ② Powercord
- ③ Distilled water/mineral water (bring your own)
- ④ Funnel
- ⑤ Water plug with holes
- ⑥ Product instruction manual



4. Install the handle,

The Plug socket guide port and the guide pin are aligned,,After pressing slightly fixed, turn the knob counterclockwise two and a half weeks,The knob arrow is vertical,The plug seat has no tilt, no shaking,



Hint:

- Do not use tools to tighten connectors. Ensure that the plug-in parts are fully installed to avoid damage to the machine
- If the handle is removed, turn the socket knob in the opposite direction, and the

5. Place the handle on the handle bracket to ensure it is secure. Be careful of accidental drop damage



6. Water injection (see Figure 3-12)

Remove the non-porous water plug, add distilled water to the water level using a funnel, and screw on the porous water plug

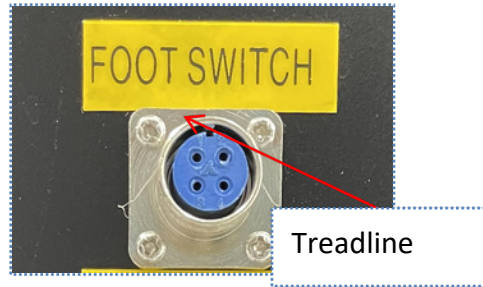
Note: Deionized or purified water must be added to the water tank.

The water level must be checked every three weeks,

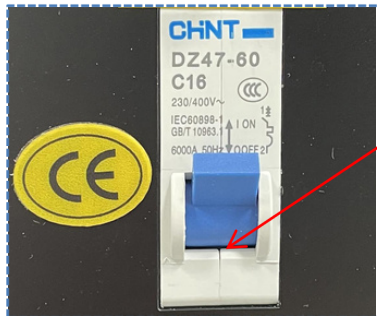
Change the water once a month.



7. Connect the power cord, fix the lock buckle downward, and connect the foot switch (if necessary, optional installation)



8. Turn on the air switch on the back of the machine. Start up



9. Observe the water level, the water line has not been reached. Need to shut down for secondary water addition (Figure 3-15)



10. Observe the water flow parameters on the screen (normal value 3.0-5.0L/min), there is no alarm, and the handle emits light normally. Handle cooling is fine. The installation is complete



Note:
When using the machine continuously, it emits a lot of heat. So, please install air conditioner in the room. Maintain optimal indoor temperature

Notice:

1. Be careful to touch the handle button by mistake. Do not emit light at screens and electronic equipment.

In case of alarm

Please reinstall the handle. Make sure the handle is fully installed

The water inlet is plugged with a hole.

The water in the tank is kept at the water level

2. Replace the filter every six months

If the screen is not bright, it may be loose during transportation, please reconnect the screen cable

3. If there is water leakage at the water outlet, it may be loose during transportation, please tighten the water outlet plug

Move carefully

- Never drag the machine with the power cord or handle tube. Protect the handle from accidental drop damage

Machine installation video:

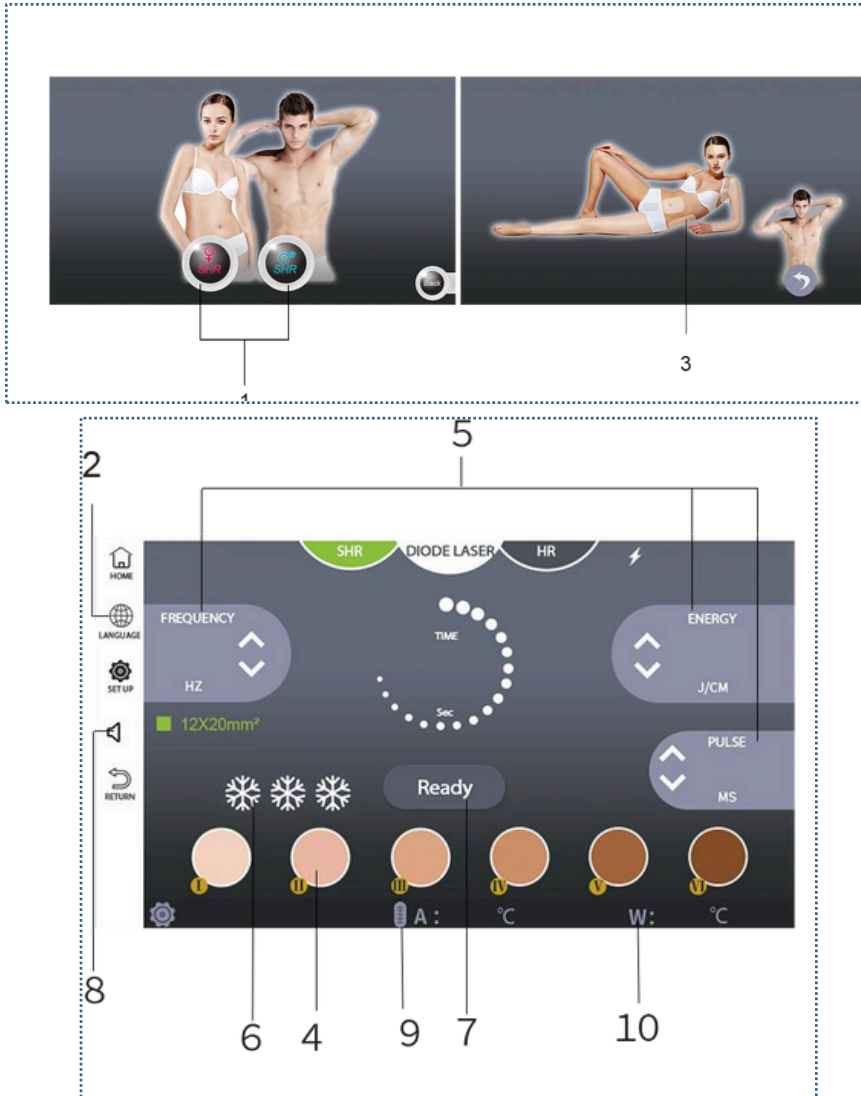
<https://cloud.video.alibaba.com/play/u/2153292369/p/1/e/6/t/1/d/hd/385298125043.mp4>

Chapter 4. System Introduction

4.1 General System Description and Purpose Laser hair removal is based on the principle of photothermodynamics, because human skin is a relatively light-transmitting structure. In front of a powerful laser, the skin is like a piece of transparent glass. The laser can pass through the skin very smoothly to reach the hair follicles, that is, The part where the hair grows, and the melanin in the hair follicle, by absorbing a large amount of laser heat energy, makes the hair lose its ability to regenerate and play a role in hair removal. It is also the most effective method of hair removal

When in use, press the handle button or step on the foot switch, the machine will emit light.

4.2 On-Screen Operation Guide



1. Select gender
2. Select language
3. Select body part
4. Select the skin color;
5. Adjust energy and frequency;
Note: The stronger the energy, the faster the healing speed.
The higher the frequency, the faster the light output speed.
6. Cooling level;
Note: It is recommended to use level 5 to start cooling. The treatment is adjusted according to the actual feeling of the patient.
7. Start button;
- Note: Parameters, sound, and cooling can be adjusted during work, but skin color and body parts cannot be adjusted.
8. Volume adjustment;
9. Water flow;
10. Air temperature;

Chapter 5. Treatment Parameter

- 5.1 See Analysis of Treatment Parameters

HAIR REMOVAL (HRS) – STATIC MODE

SKIN TYPE	HAIR COLOR	HAIR TEXTURE	PULSE TYPE	PULSE DURATION(MS)	FLUENCE(J/CM ²)
I	Blonde Red	Fine	Single	91	30
		Medium	Double	91	28
		Coarse	Triple	91	26
	Light Brown	Fine	Single	91	30
		Medium	Double	91	28
		Coarse	Triple	91	26
	Dark Brown	Fine	Single	91	30
		Medium	Double	91	28
		Coarse	Triple	91	26
	Black	Fine	Single	91	30
		Medium	Double	91	28
		Coarse	Triple	91	26
II	Blonde Red	Fine	Single	91	30
		Medium	Double	91	28
		Coarse	Triple	91	26
	Light Brown	Fine	Single	91	30
		Medium	Double	91	28
		Coarse	Triple	91	26
	Dark Brown	Fine	Single	91	30
		Medium	Double	91	28
		Coarse	Triple	91	26
	Black	Fine	Single	91	30
		Medium	Double	91	28
		Coarse	Triple	91	26

SKIN TYPE	HAIR COLOR	HAIR TEXTURE	PULSE TYPE	PULSE DURATION(MS)	FLUENCE(J/CM ²)
III	Blonde Red	Fine	Single	95	30
		Medium	Double	95	28
		Coarse	Triple	95	26
	Light Brown	Fine	Single	95	30
		Medium	Double	95	28
		Coarse	Triple	95	26
	Dark Brown	Fine	Single	95	30
		Medium	Double	95	28
		Coarse	Triple	95	26
	Black	Fine	Single	95	30
		Medium	Double	95	28
		Coarse	Triple	95	26
IV	Dark Brown	Fine	Single	100	30
		Medium	Double	100	28
		Coarse	Triple	100	26
	Black	Fine	Single	100	28
		Medium	Double	100	26
		Coarse	Triple	100	24
V	Dark Brown	Fine	Double	100	23
		Medium	Double	100	22
		Coarse	Triple	100	21
	Black	Fine	Double	100	22
		Medium	Double	100	21
		Coarse	Triple	100	20
VI	Black	Fine	Double	100	20
		Medium	Double	100	18
		Coarse	Triple	100	15

HAIR REMOVAL (HRM) – GLIDING MODE

SKIN TYPE	HAIR COLOR	HAIR TEXTURE	PULSE DURATION(MS)	PULSE REPETITION(HZ)	FLUENCE (J/CM ²)	NUMBER OF PASSES
		Fine	45			
I	Blonde Red	Medium	45	5	15	4-5
		Coarse	45	5	14	
			45	5	13	
	Light Brown	Fine	45	5	15	4-5
		Medium	45	5	14	
		Coarse	45	5	13	
	Dark Brown	Fine	45	5	15	4-5
		Medium	45	5	14	
		Coarse	45	5	13	
	Black	Fine	45	5	15	4-5
		Medium	45	5	14	
		Coarse	45	5	13	
II	Blonde Red	Fine	45	5	15	4-5
		Medium	45	5	14	
		Coarse	45	5	13	
	Light Brown	Fine	45	5	15	4-5
		Medium	45	5	14	
		Coarse	45	5	13	
	Dark Brown	Fine	45	5	15	4-5
		Medium	45	5	14	
		Coarse	45	5	13	
	Black	Fine	45	5	15	4-5
		Medium	45	5	14	
		Coarse		5	13	

SKIN TYPE	HAIR COLOR	HAIR TEXTURE	PULSE DURATION(MS)	PULSE REPETITION(HZ)	FLUENCE (J/CM ²)	NUMBER OF PASSES
III	Blonde Red	Fine	50	5	14	4-5
		Medium	50	5	13	
		Coarse	50	5	12	
	Light Brown	Fine	50	5	14	4-5
		Medium	50	5	13	
		Coarse	50	5	12	
	Dark Brown	Fine	50	5	14	4-5
		Medium	50	5	13	
		Coarse	50	5	12	
	Black	Fine	50	5	14	4-5
		Medium	50	5	13	
		Coarse	50	5	12	
IV	Dark Brown	Fine	57	5	13	4-5
		Medium	57	5	12	
		Coarse	57	5	11	
	Black	Fine	60	5	13	4-5
		Medium	60	5	12	
		Coarse	60	5	11	
V	Dark Brown	Fine	57	5	8	4
		Medium	57	5	7	
		Coarse	57	5	6	
	Black	Fine	60	5	8	4
		Medium	60	5	7	
		Coarse	60	5	6	
VI	Black	Fine	65	5	8	4
		Medium	65	5	7	
		Coarse	65	5	6	

Note: Please follow the treatment parameter table, and gradually increase the parameters from low to low according to the patient's feeling, and the handle should not stay on the skin.

Preparation kits: doctor/patient therapy glasses, gel (for brush), hair clipper (for shaving), disposable gloves, paper towels (for cleaning)

1. Select the parameters and click ready.
2. Cool the handle for 1-2 minutes (this is when you start cleaning your skin)
3. Clean the treatment area
4. Shave the hair to 1-2mm
5. Spread the gel evenly.
6. The treatment head is close to the skin for sliding treatment (Before start, Handle facing the ground lighting test)

Swipe horizontally 5~10 times

Swipe vertically 5~10 times

Slide diagonally 5~10 times,

Point pressure therapy for small parts (such as armpits)

Energy can enter the follicle from all angles. Don't slide too fast

- 7 After the treatment, the gel was cleaned



Refer to the treatment video tutorial for the detailed operation steps

Machine therapy video: :

<https://cloud.video.alibaba.com/play/u/2153292369/p/1/e/6/t/1/d/hd/384158059466.mp4>

Treatment matters;

- ① Small area is treated for 1-3 minutes, and large area is treated for 3-5 minutes. Or the patient has a slight tingling sensation and ends the treatment.
- ② Treat 5-7 times to achieve the best hair removal effect.
- ③ If the skin flushes, the treatment should be terminated immediately, and it is recommended to increase the number of treatments by 1-3 times.
- ④ If there are black spots on the skin, please cover them with a white pen before treatment.
- ⑤ Pay attention to sun protection after treatment.

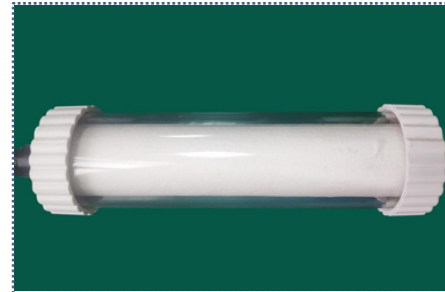
Notice:

1. After the treatment, if the treatment area is slightly red, please cool it with an ice pack.
2. Pay attention to waterproof and sunscreen after treatment.
3. Clean the treatment head after each treatment, and put the handle back into the bracket.
4. Wear patient glasses and beautician glasses before treatment to protect eyes.

Chapter 6. Routine Maintenance

6.1 Replace filter

1. According to the use of the machine, the filter needs to be replaced every 6 months or when the water flow is lower than 2.5L/min



2. Keep the machine clean when in use, and protect it when not in use to prevent dust from falling into it and avoid impact damage.

3. After use, the handle should be disinfected and wiped clean in time to keep the handle dry and clean. Do a good job of handle protection to prevent falling

4. If you need to pack and transport, please empty the water and replace the non-porous water plug. Two people will work together to pack the machine, and the position that cannot be moved (push handle, machine shell).

See packing video for details

Packaged video

<https://cloud.video.alibaba.com/play/u/2153292369/p/1/e/6/t/1/d/hd/368942674295.mp4>

Chapter 7.Product Parameters

Device Name	Diode Laser Hair Removal Machine
Model Number	Medical model V19
Wavelength	<input type="checkbox"/> 755+808+1064mm <input type="checkbox"/> 808mm 4K
Screen Size	Screen
Frequency	1-10HZ
Spot Size	<input type="checkbox"/> 12x24mm
Power	<input type="checkbox"/> 1200W
Energy	1-150J
Cooling System	<input type="checkbox"/> TEC Condenser <input type="checkbox"/> Compressor <input type="checkbox"/> Water <input type="checkbox"/> Air <input type="checkbox"/> Sapphire
Voltage	<input type="checkbox"/> AC110V 60HZ
Dimension of machine	1300mm*480mm*400mm
Package	Aluminum box

