

2-IN-1 LASER MACHINE OPERATING INSTRUCTIONS



Please contact us via whatsapp if you have any problems after receiving the machine.

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01 Products

Principle of hair removal:

According to the principle of selective photothermodynamics, through reasonable adjustment of wavelength, energy and pulse width, light energy can pass through the skin surface to the hair root hair follicle, so that the hair follicle tissue is damaged, slow growth or no growth. The rapid freezing point hair removal system adopts a unique freezing technology to cool the local epidermis to 5 degrees Celsius, overcoming the shortcomings of cold touch lighting, convenient and simple operation. No damage to the skin, easy hair removal.

laser principle:

Using the PICO laser and the principle of photoblasting, the laser concentrated high energy is emitted instantaneously so that the laser with a fixed wavelength can penetrate the epidermis instantaneously in a very short time, and the corresponding pigment group is rapidly expanded by heat and explodes and breaks up instantly. Part of the pigment group breaks down into fine particles that can be swallowed by human macrophages and discharged from the body through the human lymphatic circulation system. Thus to achieve the effect of removing stains.

02 Product installation steps

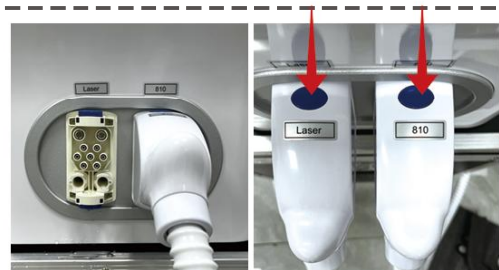
1. Unpacking and inspection

After receiving the equipment, first check whether the outer packaging is intact
Open the box, take out the host and accessories

2. Connect the handle

01 >>>

1. Remove the rubber stopper
2. Align the hole
3. Press and hold the blue button
4. Shake it up and down, and it is installed when you hear a "ka da" sound.



02 >>>

Attachment of the handle by pressing or rotating it



Note: This is also included in the instruction manual. The knob and button types are shipped randomly.

3. Machine water injection

01 >>>

Open the sealing caps of the injection and overflow ports.



The water filler cap must be opened during use.

02 >>>

Use the special funnel to connect the water injection port and slowly inject distilled or pure water.



03 >>>

Observe the overflow spout, when there is a steady flow of water overflow, it indicates that the water tank is full



04 >>>

The water filler cap must be opened while the machine is in use



The machine must be filled with water before use, otherwise the machine will be burned out.

4. Power connection

- Connect the unit's power connector using the original power cord
- Connect the power plug to a grounded outlet that meets specifications

03 Interface description

- ① Start the power supply on the front of the machine, rotate the emergency switch to pop up, turn on the power switch at the back of the machine (if there is no emergency switch and no power supply at the back, no additional operation is required)
- ② Shave off hair: use disposable shaver to remove epidermal hair (keep 1-2mm hair root, no plucking or using hair removal cream)
- ③ Wear goggles, both the operator and the customer need to wear special laser protective glasses.
- ④ Draw a line on the treatment area to determine the treatment area, apply gel on the treatment area and handle to achieve a more comfortable hair removal experience.
- ⑤ Operating system explanation



Open the instrument and the main interface appears. Touch the screen to enter the handle selection mode

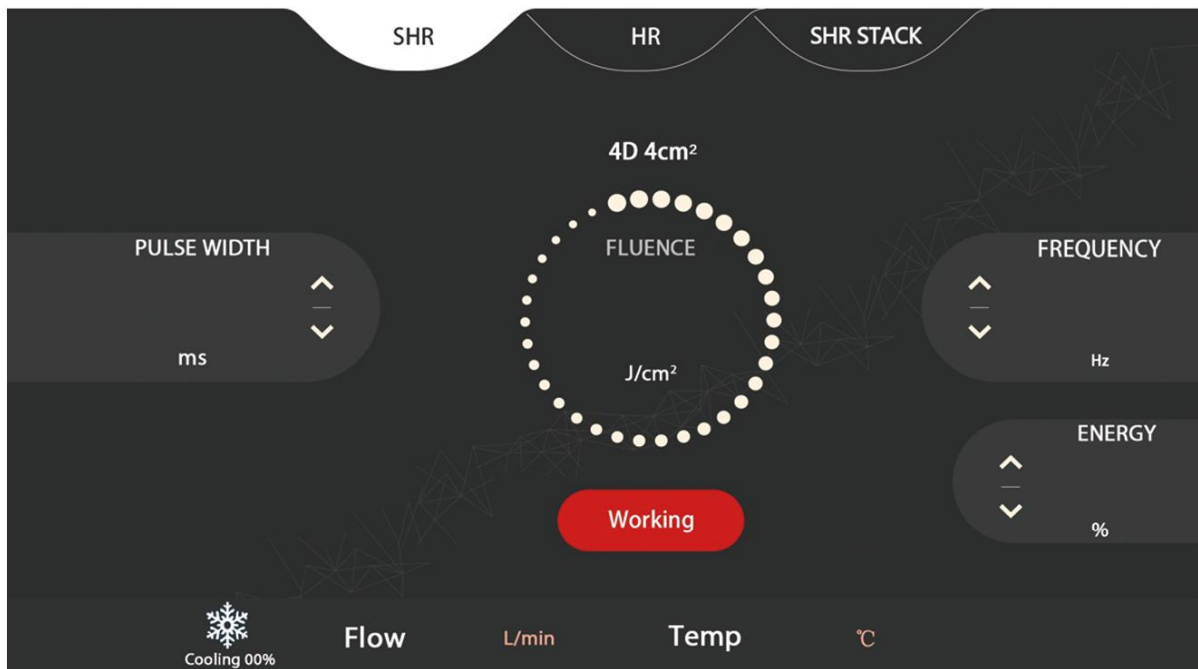


Select a handle to be operated. The operation window is displayed



S,M,L,XL on the left represents the size of the area to be treated.

Middle represents the area to be treated
The right side represents the client's skin colour



» **SHR mode (Super Hair Removal)**

Principle:

Low energy+ high frequency: adopts progressive heating method, with lower energy but very high frequency pulse light continuously acts on hair follicles, so that the hair follicles are destroyed in the gentle warming, reducing the sense of pain

Features:

Painless and comfortable: low energy and ice cooling, very low pain, suitable for sensitive areas (e.g. bikini area, face)

Fast gliding operation: supports In-Motion technology, which allows continuous gliding treatment, significantly reducing treatment time (e.g. only 15-20 minutes for both legs).

Wide applicability: suitable for all skin tones (type I-VI) and hair colours (including light-coloured fine hair).

» **HR mode (Hair Removal, traditional laser hair removal mode)**

Principle:

High Energy + Single Pulse: Adopting the traditional laser hair removal technology. the high energy single pulse instantly destroys the melanin of the hair follicle.

Characteristics:

Highly effective but painful: Higher hair removal effect due to concentrated energy, but may be accompanied by rubber band-like pain.

Spot treatment: need to irradiate point by point, the treatment speed is slow (such as legs need 45-60 minutes)

Limitations: Higher risk for darker skin (type IV-VI), prone to epidermal burns or hyperpigmentation.

» **SHR Stack Mode (Super Hair Removal Stack Mode)**

Principle:

Multi-pulse superposition: On the basis of SHR, through the continuous superposition of multiple low energy pulses (e.g. 3-5 times/second), further uniform heating of hair follicles to enhance the efficiency of hair removal

Dynamic Energy Adjustment: Adjust the energy density in real time according to the skin's response to avoid over-stimulation.

Features:

Stronger results: Suitable for stubborn hair (e.g. coarse, hard hair, hormonal hirsutism), higher hair reduction rate in a single treatment.

Still low pain: better skin tolerance due to short pulse intervals despite energy stacking.

⑥ How do I choose a model?

Normal hair removal needs:

choose SHR mode to balance results and comfort.

Fast and intensive hair removal:

SHR Stack mode, suitable for thick hair.

Traditional high efficiency hair removal:

choose HR mode, but need to tolerate higher pain.



Enter the figure , adjust the energy, frequency and pulse width (refer to the "Parameter Setting Table"), open the red aim, and click the "Ready" button for treatment.

7 Picosecond laser

Five kinds of laser heads

● 532nm

Used in red, orange, yellow, green, blue and purple tattoos and pigments

● 1064nm

Used in black, dark blue, grey and dark grey tattoos and pigments

● No scars 532nm

Used in red, orange, yellow, green, blue and purple tattoos and pigments

● No scars 1064nm

Used in black, dark blue, grey and dark grey tattoos and pigments

● 1320nm

Carbon peeling, whitening. Anti-ye llowing, Tightening pores

»» Parameter Adjustment Reference Data Sheet

SHR mode				
part	pulse	frequency	energy	time
arm	50-80	5	70%-90%	20-30 mins
abdomen	50-80	5	70%-90%	20-30 mins
backside	50-80	5	70%-90%	20-30 mins
thigh	50-80	5	70%-90%	20-30 mins
face	70-90	4	70%-90%	10-15 mins
bikini	100-120	3	60%-90%	10-15 mins
mustache	100-120	3	60%-90%	10-15 mins
vibrissa	100-120	3	70%-90%	10-15 mins

HR mode			
part	pulse	frequency	time
arm	40-60	5	20-30 mins
abdomen	40-60	5	20-30 mins
backside	40-60	5	20-30 mins
thigh	40-60	5	20-30 mins
face	50-70	4	10-15 mins
bikini	80-100	3	10-15 mins
mustache	80-100	3	10-15 mins
vibrissa	80-100	3	10-15 mins

SHR STRACK				
part	pulse	frequency	energy	time
arm	60-80	5	85%-95%	20-30 mins
abdomen	60-80	5	85%-95%	20-30 mins
backside	60-80	5	85%-95%	20-30 mins
thigh	60-80	5	85%-95%	20-30 mins
face	80-90	4	85%-95%	10-15 mins
bikini	110-130	3	80%-90%	10-15 mins
mustache	110-130	3	80%-90%	10-15 mins
vibrissa	110-130	3	80%-90%	10-15 mins

8 Manipulation

Vertical fit:

the handle is 90° perpendicular to the skin to ensure even coverage of the spot.

Sequential operation:

treatment is divided by area (e.g. legs can be divided into inner/outer), avoiding repeated irradiation of the same area.

Overlap rate:

10-20% overlap between spots (to avoid missing or over-treatment)

04 Laser Hair Removal Treatment Recommendations

Standard number of sessions:

Usually 6-8 sessions are required to achieve 85%-95% hair reduction.

Treatment Interval:

In the first month of treatment, the patient needs to receive treatment once a week. Starting from the second month, change to once every two weeks. You can also observe the hair growth of different people and adjust the treatment plan accordingly

Why do I need multiple treatments?

Hair growth is divided into anagen, catagen and telogen phases, and the laser is only effective during the anagen phase. Multiple treatments cover the hair follicles at different stages of growth, ensuring long-term results.

Recommendations for postoperative care

Sun protection (most important!)

After hair removal, **your skin is sensitive to UV rays, so avoid exposure to the sun for 24 hours**, and then use an **SPF30+** sunscreen.

Avoid irritation:

avoid hot baths, saunas, strenuous exercise for 24 hours (to prevent inflammation)

Within 3 days Avoid skincare products containing alcohol, fruit acids, scrubs

Moisturise and repair:

Use a gentle moisturiser (with hyaluronic acid and ceramides) to promote skin repair.

05 Precautions after freezing hair removal

- 1, do not use soap, shower gel within 6 hours of hair removal, and do not make up the treatment area. Isowash treatment,Area, do not use cosmetics on the day do not rub the treatment area.
2. Only use mild skin care formulas after freezing hair removal.
3. Dress loosely and keep dry after freezing hair removal.
- 4, do not expose to the sun after freezing hair removal, sauna, swimming.
- 5, do not use scrub, alcohol, antiperspirant after freezing hair removal, and avoid heat in the treatment area when taking a bath,Water, should use warm water.
- 6, within a week do not eat photosensitive food (such as celery, spinach, vegetables, lemons, etc.) and photosensitive drugs (such as tetracycline, etc.), spicy and irritating food.

06 Product Notes

1.Contraindication screening:

Photosensitive diseases or medications

Pregnancy or breastfeeding

Diabetes, skin disease, epilepsy, scarred body

Customers who have used fruit acid, A acid, laser skin resurfacing treatment

2.Operation Safety

Operators must receive professional training.

Check the water level and cooling system before use.

Always wear goggles.

Avoid repeated irradiation of the same area.

Do not irradiate on wounds, herpes, spots, birthmarks.

07 pico laser Cleaning Machine Safety Precautions

the laser is invisible infrared light, where the wavelength of 532nm laser is green glare visible light, the operator should wear a special protective mirror with a wavelength range of 200-1080nm!

2. The laser window is located at the end of the pistol head aiming and should be protected from the laser radiation emitted by this window!
3. Never look directly at the end of the pistol head and any reflected laser beams!
4. deasy, explosive narcotic drugs, liquids, gases (such as alcohol, ether, oxygen, etc.) should be away from the laser radiation area, and there are protective measures!
5. metal instruments can cause laser reflection, the operator should avoid direct exposure to these devices, try not to use reflective equipment!
- 6, should avoid wearing watches, necklaces, bracelets and other reflective laser jewelry!
7. must provide patients with strict and effective eye protection. Such as gauze cover, eyelids, eye masks, etc. The operator applies gauze to block the eye of the operator, When washing the eyeliner. you must follow the training method of our company and perform eye wash surgery after skilled operation The eyelids and eye masks are used to protect the eyeball for surgery, and the operator should have clinical experience in ophthalmology. When using the above equipment, it must be strictly disinfected Otherwise, improper protection of the eyeball will cause great discomfort to the operator, causing corneal inflammation in the light, and causing the cornea to fall off or even blindness
8. It is strictly forbidden to use laser to illuminate other places except for the affected area and the target for adjusting the laser. When moving the pistol during treatment and placing the pistol after treatment, the end outlet of the pistol head must point to a safe place!
9. The laser radiation warning sign should be attached to the entrance of the laser treatment room During the use of the laser, irrelevant personnel are prohibited from entering and leaving at will!

10. The pigments of different diseased tissues absorb different lasers. The energy required for treatment should be chosen from small to large.

12. It is recommended that you have a dedicated laser operation room. It is forbidden to use any reflective equipment indoors. The room is equipped with air conditioners, cooling machines and other equipment. The laser operation should be divided into the operator and the operator's special person area. and the indoor should be pre-screened!

13. Note: Large spots correspond to smaller energy densities, and small spots correspond to large energy densities!

Energy density = energy size / spot area.

Second, the protection of the eyes

1. Operators in the laser operating area must wear protective glasses! Strict eye protection must be provided to the operator!

2. The operator in the operation area wears an exclusive laser goggles with a suitable wavelength of 200-1080 nm!

3, laser protective glasses can not completely protect the direct laser or laser reflected by glass mirror, smooth metal surface, so it is strictly prohibited to wear the protective, mirror directly to the above direct laser and reflected light.

4, covered with gauze, wearing protective goggles, eyelid shield, etc. are effective to protect the eyes of the operator!

5, the use of moist gauze to protect the eyes better, but the treatment site must remain absolutely dry!

08 Maintenance and upkeep

Check the water tank water level and cooling system before daily operation.

Replace purified water regularly(every fortnight).

Wipe the handle lens after use and keep it clean and dry

Regularly clean fan ports and vents to maintain ventilation

09 Instrument parts list

Part	Quantity
Machine body	1
Laser handle	1
Hair removal handle	1
Foot switch	1
Power cord	1
Protective spectacles	2

Attention:

The machine is a photoelectric product, During operation, Be careful not to aim at people's eyes, after operation, you need to put the handle into the protective case, revent injury to people by misoperation.



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