

User Manual

HR-AS23



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1.Safety precautions

- 1.Please read this manual carefully before use and familiarize yourself with the operation of this device and related technology.
- 2.As a high-precision electronic device, this device should be stored properly. Avoid humid conditions, direct sunlight, and proximity to flammable or explosive materials to prevent damage.
- 3.Always use the designated accessory provided or recommended by the manufacturer to ensure performance throughout its service life.
- 4.Do not place the device in high-temperature conditions, as this may negatively impact its service life and performance.
- 5.Do not apply the device on eyes, thyroid, parathyroid, testicles, pregnant women's abdomen, pacemakers, etc.
- 6.Patients should consult their doctor before using this device.
- 7.Ensure that the device is applied on moist skin and avoid the operation on dry skin.
- 8.Power off the device when not in use to ensure its safety.
- 9.To maintain hygiene and extend the device's service life, sterilize it with saline.

2.Contraindications

Before using this device, it is essential to consult your doctor or seek advice from professionals. Details below:

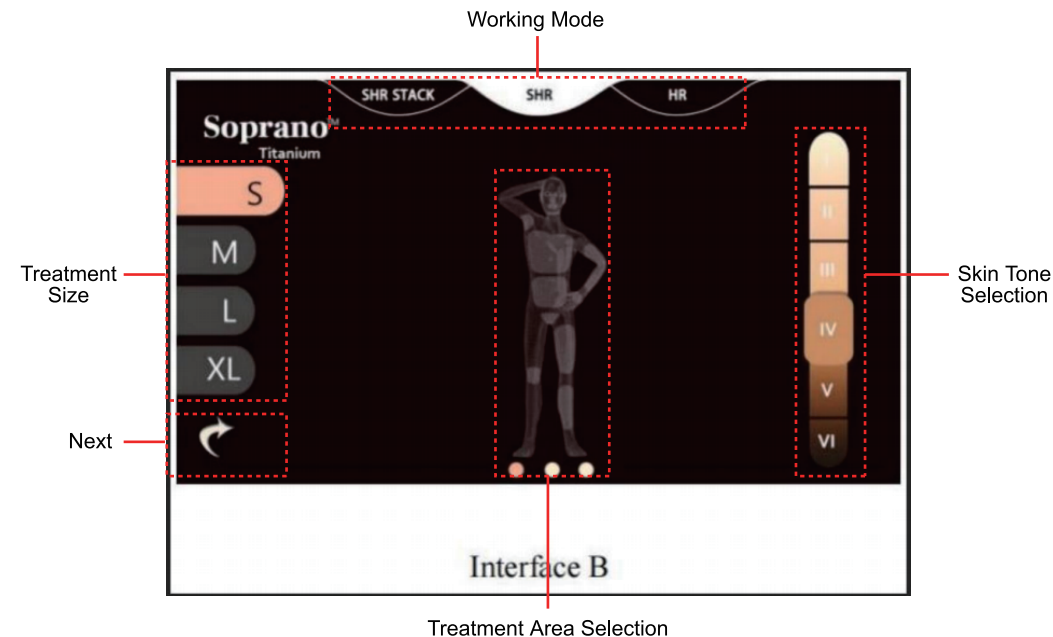
- 1.Pregnancy, lactation, heart disease, malignant tumors, folliculitis, vascular disease, severe hypertension, high blood sugar, high blood fats.

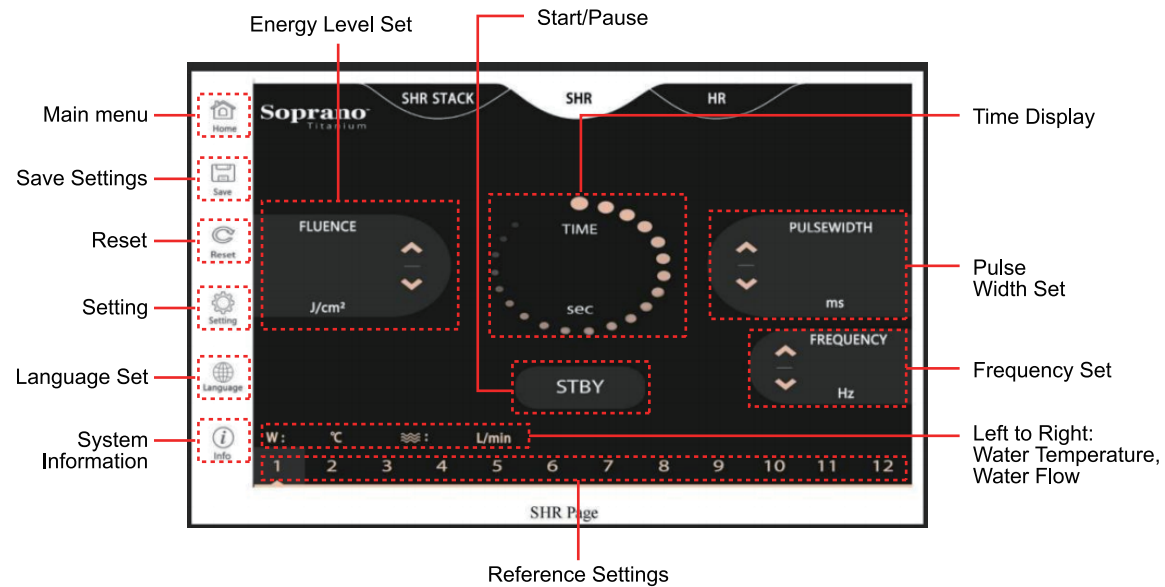
- 2.Epilepsy, severe diabetes, and hyperthyroidism.
- 3.Abnormalities in collagen metabolism, including history of scarring and poor wound healing.
- 4.Active infection, herpes simplex, skin lesions, hematoma, etc.
- 5.Fresh plastic surgery wounds that have not fully healed.
- 6.Allergic skin conditions.
- 7.Presence of a cardiac pacemaker.
- 8.Photo-allergic reactions (sun rash, erythematosus), redness, swelling, and itching from sun exposure.
- 9.Recent use of photoelectric treatments on the same site within 30 days.
- 10.Children and individuals under 18 years of age in the pubertal development stage.
- 11.Currently taking antioxidant or hormonal medications.

3.Overview

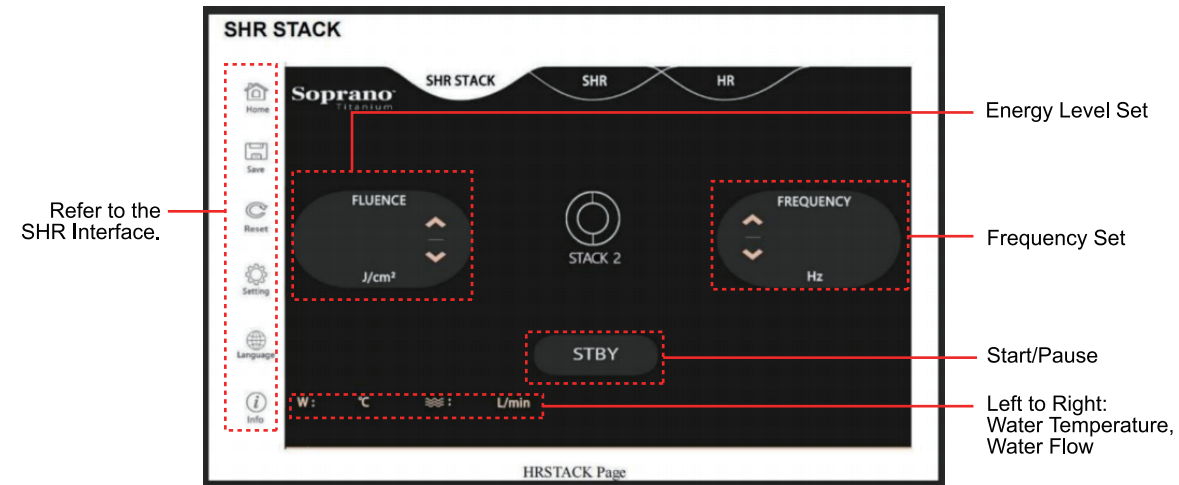
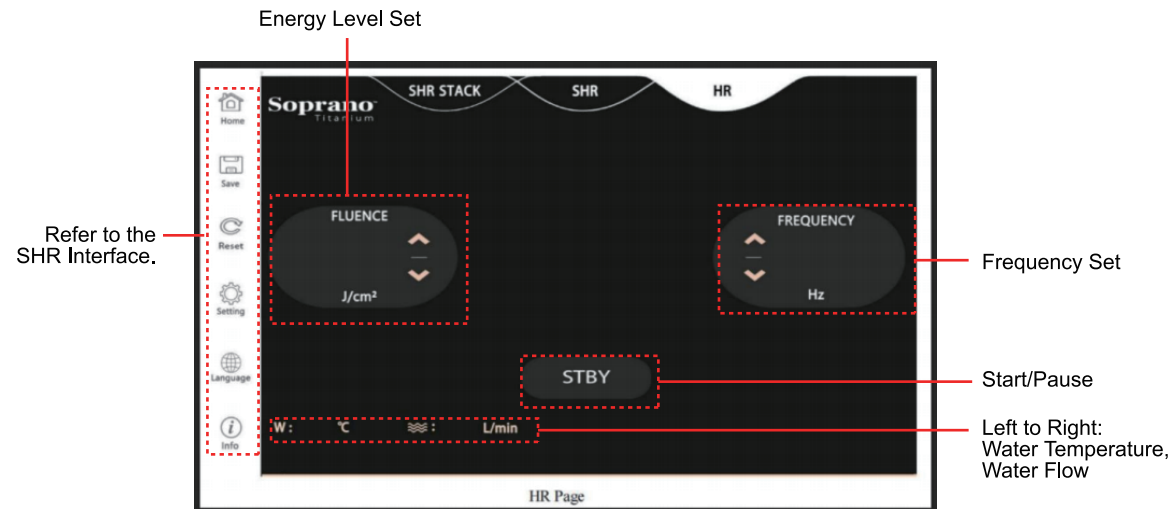
This advanced beauty device combines the latest body and facial care technologies, utilizing cutting-edge skin rejuvenation methods backed by multiple clinical studies. Designed for all skin types and tones, it ensures both safety and effectiveness. Moreover, it incorporates the newest advancements in optical beauty, overcoming the limitations of traditional hair removal— slow results and discomfort. This innovation delivers truly painless and rapid hair removal, marking a breakthrough in optical hair removal technology and offering an unparalleled, comfortable experience for beauty seekers.

4.Control Panel Introduction





Number of Grids	Treatment time(s)
1	200
2	400
3	600
4	800
5	1000
6	1200
7	1400
8	1600
9	1800
10	2000
11	2200
12	2400



5. Technical Specification

Main Mechine	Laser type	Diode laser
	Input VAC	220VAC/50-60Hz
	Cooling Temperature	-5℃--5℃
	System Cooling method	Water+Fan+TEC+Sapphire
	interface Language	English
	Screen	15.6'1920 x1080 Color Touch Screen
	Aluminum Case Dimension (Machine)	68x64x127cm
	Gross Weight	75KG
	Laser Cooling Liquid	Pure water
	Water Tank Volume	4L
	Working Environment Temperature	15~28℃
Handle 1	Environment Moisture	<70%
	Wavelength	808nm or 755nm& 808nm&1064nm
	Power	3000w
	Pulse Width	1ms~400ms
	Frequency	1HZ~10HZ
	Spot Size	15*40mm

6. Use Precautions

1. Strictly follow the instructions in the manual to use the device and train operator.
2. Before using the device, use a plug with a grounding pin and ensure the power socket is grounded.
3. Make sure the voltage of the device is adapted. If the local power supply voltage is unstable, we recommend adding a power-matched regulated power supply between the mains and the device.
4. Remove all the metal objects inside the body to avoid causing accidents or affecting treatment effects.
5. Keep the handle moving across the skin to prevent burns. Ensure the treatment head remains in full contact with the skin, as light leakage may impact results or cause burns.
6. If you have a recent sunburn or plan to be exposed to the sun, wait for at least 15 days before using the device.
7. For people with very dark skin (e.g., Africans, Indians), it's best to avoid using this device, even if the skin appears lighter than others of the same race, as they may absorb excessive laser energy, which could damage the skin.
8. Do not use the device on the eyebrows, eyelashes, or around the eyes.
9. After using the device for about 2 hours, turn it off and allow it to rest for 5-10 minutes to extend its service life.
10. Both the recipient and the operator must wear protective goggles to prevent eye damage from the laser.

7. Maintenance & Cleaning

1. Disconnect the power cord when not in use and store the device in a dry, cool, and well-ventilated place.
2. Clean and sanitize the handle with a damp cloth or saline, and then dry it thoroughly with a dry towel to ensure it remains dry.
3. After cleaning the device, cover it with a dustcloth or plastic wrap. Before use, ensure to sanitize the handle again for hygienic reasons.
4. Disassembling the device and attempting to clean the inside is strictly prohibited. This task should only be performed by professionals.

8. FAQ

1. Can I achieve permanent hair removal with a single laser treatment?

A: No. A full course of treatment is necessary to achieve satisfactory results. Hair grows in three cycles: anagen, resting, and regression. Laser hair removal is most effective during the anagen phase, but since hair follicles cycle at different rates, multiple sessions are required. Treatments are typically scheduled every 3 to 6 weeks, depending on the area being treated and individual hair growth patterns. A personalized treatment plan ensures optimal and lasting results.

2. Is hair removal harmful to the skin?

A: No, it is safe. The treatment is based on the principle of selective photothermolysis, meaning the specific wavelength targets only the melanin in the hair follicle without affecting surrounding skin tissue. Since the surrounding skin contains little to no melanin at that wavelength, it remains unharmed, ensuring a safe and effective procedure.

3. Will laser hair removal make the hair on the treated area darker?

A: No, quite the opposite. Laser hair removal often results in thinner and lighter regrowth of hair on the treated area. Traditional hair removal methods like shaving, epilation, depilatory creams, or waxing can lead to thicker and darker hair regrowth.

4. Is laser hair removal suitable for everyone?

A: No, while laser hair removal has a broad range of applications, individuals with the following conditions should refrain from it:

- (1) History of keloid scars
 - (2) History of current infection or herpes simplex infection in the treatment area
 - (3) Use of other hair removal methods within the last 4 weeks
 - (4) Allergy to hydroquinone drugs or other bleaching agents
- Allergic constitution

5. Is there a preferable season for laser hair removal?

A: Laser hair removal is a year-round option without specific seasonal preferences. It's a non-invasive procedure with no downtime, allowing flexibility for treatment at any time. However, starting the treatment earlier allows you to complete the multiple sessions sooner, giving you smoother skin.

6. Can I tan right after a hair removal treatment?

A: No, quite the opposite. Laser hair removal A: A: No, tanning should be postponed. After laser treatment, both hair follicles and the skin's cuticle shed together, temporarily reducing the skin's protective barrier. To prevent irritation and potential damage, it is essential to avoid sun exposure during this period.

7. How long should I avoid water contact with the treated area after laser treatment?

A: The treated area should not come into contact with water until after a week. Scabs typically form 3-5 days after the surgery and will heal in about 5-7 days, requiring the avoidance of water contact for the first week.

9. Ask & Answer

1. Fail to turn on the device, and the button light on the back of the main unit is off.

- A. Ensure the power cord is connected to a functional socket.
- B. Please check if the fuse is loose or burned.
- C. Check if the emergency button is on.
- D. Check if the key switch is on.

2. Abnormal Hot Handle.

- A. Insufficient voltage. Check the power supply and electrical circuit.
- B. Prolonged use of the handle. Turn off the device and wait for 10-15 min.

3. No Light Emitted from the Treatment Head.

- A. Ensure the treatment is activated by pressing the "STBY" button on the screen.
- B. Check if the handle button is functioning properly.
- C. Restart the device and try again.

4. Peculiar Smell During Operation.

- A. Verify if the light-exit window has any stains or hair residue.
- B. Wipe the light-exit window clean.

5. Alarm on the Status Bar.

- A. Check if the water temperature exceeds 35 °C; wait for it to cool if necessary.
- B. If the water flow is below 2L/min, inspect the hose for blockages and ensure the handle is securely connected to the main unit. If the water flow is 0L/min, verify if the water pump is functioning properly or contact your dealer.

10. Operation Guide

Body Hair Removal

1. Effect

Remove unwanted hair from the target area.

2. Handle Operation

Preparation: Razor, disposable towel, paper towel, gel, mask stick

1. Select the required function.
2. Shave the treatment area with the razor.
3. Clear away the shaved hair.
4. Apply a 2 cm layer of gel evenly to the treatment area.
5. Provide goggles for the recipient.
6. The operator must wear goggles as well.
7. Using a stamping technique, treat the entire area horizontally and then vertically, repeating 5-8 times.

Scrape off the gel using the scraper and wipe away any residue with tissues.

7.Using a stamping technique, treat the entire area horizontally and then vertically.

8.Scrape off the gel using the scraper and wipe away any residue with tissues.

3.Care after treatment

1.Follow a healthy daily routine post-operation and balance work with rest.

2.Avoid steam sauna, hot springs, swimming, and sun exposure for the next 7 days.

4.Treatment Schedule

Take 1 session every 22 - 32 days, complete 6 - 12 sessions in total, and customize the treatment schedule based on the individual's condition.

Facial Hair Removal

1.Effect

Remove unwanted hair from the face.

2.Handle Operation

Preparation: Wash basin, disposable bag, disposable washcloth, mask scraper, razor, make-up remover, cleanser, toner, essence, gel, facial mask, lotion/cream, sunscreen.

1.Remove makeup and cleanse the skin.

2.Shave the treatment area with the razor.

3.Clear away the shaved hair.

4.Apply a 2 cm layer of gel evenly to the treatment area.

5.Provide goggles for the recipient.

6.The operator must wear goggles as well.

7.Start at the chine area, utilize a stamping technique to cover the entire area, starting horizontally and then moving vertically (5-8 times).

8.Scrape off the gel using the scraper and wipe away any residue.

9.Apply a mask to the face.

10.Cleanse face, 2 minutes.

11.Apply toner, essence, lotion/cream, sunscreen.

3.Before and After Treatment

1.If you have used topical A-acid ointment or blemish-removing products before the operation, it is recommended to discontinue the medication for 1 week before taking Photorejuvenation treatment.

2.Refrain from undergoing laser, dermabrasion, or fruit acid skin resurfacing beauty treatments one week before and after the operation.

3.Follow a healthy daily routine post-operation and balance work with rest.

4.Apply at least one hydrating mask every day for one week after treatment and avoid using skincare products and cosmetics containing irritants such as fruit acids, salicylic acid, and alcohol.

5.Avoid steam sauna, hot springs, swimming, and sun exposure within 7 days.

6.Enhance sun protection by using physical sunscreen outdoors, such as carrying an umbrella.

4.Treatment Schedule

Take 1 session every 22 - 32 days, complete 6 - 12 sessions in total, and customize the treatment schedule based on the individual's condition.

Photorejuvenation

1.Effect

- 1.Reduce skin imperfections and minimize pores.
- 2.Address dull skin tone and pigmentation issues.
- 3.Boost skin elasticity to combat aging.
- 4.Smooth superficial wrinkles and refine skin texture.
- 5.Efficiently rejuvenate the skin, addressing wrinkles and spots.
- 6.Improve capillary dilatation and reduce redness.
- 7.Possess antiseptic and anti-inflammatory properties, aiding in acne prevention.

2.Treatment Operation

Preparation: Wash basin, disposable bag, disposable washcloth, mask scraper, razor, make-up remover, cleanser, toner, essence, gel, facial mask, lotion/cream, sunscreen

- 1.Remove makeup and cleanse the skin.
- 2.Apply a 2 cm layer of gel evenly to the treatment area.
- 3.Provide goggles for the recipient.
- 4.The operator must wear goggles as well.
- 5.Start at the chine area, utilize a stamping technique to cover the entire area, starting horizontally and then moving vertically (5-8 times).
- 6.Scrape off the gel using the scraper and wipe away any residue.
- 7.Apply a mask to the face.

8.Cleanse face, 2 minutes.

9.Apply the toner, essence, lotion/cream, sunscreen.

3.Before and After Treatment

- 1.If you have used topical A-acid ointment or blemish-removing products before the operation, it is recommended to discontinue the medication for 1 week before taking Photorejuvenation treatment.
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- 3.Follow a healthy daily routine post-operation and balance work with rest.
- 4.Apply at least one hydrating mask every day for one week after treatment and avoid using skincare products and cosmetics containing irritants such as fruit acids, salicylic acid, and alcohol.
- 5.Avoid steam sauna, hot springs, swimming, and sun exposure within 7 days.
- 6.Enhance sun protection by using physical sunscreen outdoors, such as carrying an umbrella.

4.Treatment Schedule

Take 1 session every 22 - 32 days, complete 6 - 12 sessions in total.

Eyebrow Tattoo Removal

- 1.Create a profile for the client, gathering information such as tattoo date, history of previous tattoo removal, method used (if any), presence of scars, and allergic constitution. Inform them about the expected reactions in the treated area after the treatment, and provide guidance on post-treatment care.

2. Have the client lie on the bed, shave the eyebrow, cleanse the treatment area, and ensure it remains dry.

3. Provide an eye cover to the client and wait for the device to be ready.

4. The client should keep their eyes closed during the treatment, and the operator should select the laser intensity based on the shade of the treatment area. Begin around the treatment area to allow the client to acclimate. Keep the probe at a distance of 1-2 fingers from the client's skin and move the handle over the eyebrow from the head to the tail. If the tattoo reappears within 5-10 minutes after treatment, repeat the process. A check after one and a half months is necessary. The client can opt for another session if there are any residues.

Eyebrow Tattoo Removal

1. Create a profile for the client, gathering information such as tattoo date, history of previous tattoo removal, method used (if any), presence of scars, and allergic constitution. Inform them about the expected reactions in the treated area after the treatment, and provide guidance on post-treatment care.

2. Have the client lie on the bed, cleanse the treatment area, and ensure it remains dry.

3. Start the treatment after the device is ready.

4. Adjust the indicator's brightness to the minimum level. Maintain the probe at a distance of 2-3 fingers from the client's skin, ensuring a clearly visible bright spot on the skin. Thoroughly shield the client's eye using 1 cm thick medical gauze or an eyelid plate. Commence with the lower eyeliner. Instruct the client to close their eyes while looking upward. The operator gently pushes the client's upper eyelid upward with the index finger and the lower eyelid downward with the middle finger during the treatment. When removing the upper eyeliner, instruct the client to close their eyes while looking downward. The operator presses the cover on the upper eyelid with the

middle finger while pushing the upper eyelid upward with the index finger during the treatment. Maintain an interval of 45-60 days between each session, continuing with regular sessions until complete removal is achieved.

Lip Tattoo Removal

1. Create a profile for the client, gathering information such as tattoo date, history of previous tattoo removal, method used (if any), presence of scars, and allergic constitution. Inform them about the expected reactions in the treated area after the treatment, and provide guidance on post-treatment care.

2. Have the client lie on the bed, cleanse the treatment area, and ensure it remains dry.

3. Provide an eye cover to the client and wait for the device to be ready.

Maintain the probe at a distance of 3-4 fingers from the client's skin. For black, coffee, crimson, and brown lip tattoos, initiate the treatment with the 1064nm infrared probe, then repeat using the 532nm probe. For light red, red, light coffee tattoos, use only the 532nm probe. Caution: For any lip tattoo, wait for a minimum of 6 months after lip tattoo removal to prevent potential treatment failure. Maintain an interval of 45-60 days between each session, continuing with regular sessions until complete removal is achieved.

Body Tattoo Removal

1. Create a profile for the client, gathering information such as tattoo date, history of previous tattoo removal, method used (if any), presence of scars, and allergic constitution. Inform them about the expected reactions in the treated area after the treatment, and provide guidance on post-treatment care.

2. Have the client lie on the bed, cleanse the treatment area, and ensure it remains dry.

3. Provide an eye cover to the client and wait for the device to be ready.

4. Set the Frequency to 3-5Hz. Position the probe 3-4 fingers away from the skin, and use a higher energy intensity if the client can tolerate it, ensuring the appearance of oozing of blood on the treated area. For dark blue tattoos, using 1064nm probe, while using 532nm probe for red and coffee tattoos. Maintain an interval of 45-90 days between each session, continuing with regular sessions until complete removal is achieved.

Skin Rejuvenation

1. Remove makeup and cleanse the skin.

2. Apply carbon gel to the treatment area and wait for it to dry. Apply the toner to the treatment area and wait for the toner becomes dry. The operator should allow the machine to run for a few minutes to ensure proper circulation of the water inside, maintaining the device's service life.

3. Provide an eye cover to the client and wait for the device to be ready.

4. Set the frequency to 3Hz and initiate with the lowest energy intensity. Position the handle at a 90° angle on the skin, maintaining a distance of 1-2 fingers away. Press and hold the pedal, then move the handle slowly and horizontally over the treatment area. Maintain an interval of 1 month between each session.

5. Remove the gel and apply a facial mask.

6. Cleanse the face.

7. Apply the toner, essence, lotion/cream, sunscreen.

Caution:

1. The 1064nm probe is employed for the removal of blue, black, and cyan tattoos.

2. The 532nm probe is employed for the removal of red, coffee, brown tattoos.

3. The 1320nm probe is utilized for skin rejuvenation, spot diminishment, and complexion brightening.

4. Position the handle at a 90° angle on the skin, ensuring the emitted laser is vertical to the skin to prevent loss of laser energy. For the removal of eyebrow tattoo, eyeliner tattoo, and lip tattoo, ensure the bright spot of the indicator forms a straight line. For spot and nevus removal, divide the area into several parts and treat each part over multiple sessions, ensuring the appearance of oozing of blood on the treated area.

5. Before the operation, position the probe at the correct place, then press the pedal to release the laser, lift the pedal first, and then remove the handle.

After the operation, apply anti-inflammatory ointment and reiterate post-operative precautions to the recipient.

Reaction During Operation and Post-Operative Care

Due to the instantaneous high-energy irradiation of the laser, the pigment clusters in the treatment area are rapidly fragmented into tiny particles that can be metabolized by the human body. A portion of the superficial epidermis is immediately expelled, while the deeper tissues are uniformly distributed to the epidermis. This is the reason of the reoccurrence of tattoos and colors shortly after the operation. When treating tattoos with deep color, intense absorption of laser energy by melanin may result in local redness, swelling, blisters, and even the formation of bleeding oozing points. These are normal inflammatory responses of the tissues, and the degree of local inflammation varies from person to person. After inflammation subsides, touching the tissues may cause itching and a sensation of hardness. In general, any discomfort typically resolves on its own within 3-7 days after the operation. However, for some individuals, it may persist for a longer period of 1-3 months, depending on their physical condition.

After the operation, avoid actions that could lead to infection in the bleeding area, such as

penciling the eyebrow, washing, sun exposure, and other activities. Follow the doctor's advice, including dietary recommendations. Avoid spicy and stimulating foods, seafood, beef, mutton, etc., for 3-7 days. No alcohol. For clients experiencing severe bleeding and swelling, it is recommended to take oral antibiotic medication (Acetyl Spiramycin) after surgery. Additionally, use erythromycin ointment externally during the recovery period (72 hours post-surgery) on the affected area to aid in healing. The restorative solution is also helpful.

Determinants of Tattoo Removal

1.Tattoo Ink Ingredients. Inks are categorized into vegetable, composite, and chemical. Removal difficulty varies from easy to difficult. Composite and chemical inks often contain iron and lead minerals, making them prone to deep skin deposition, leading to removal challenges.

2.Tattoo Color Shade Generally, darker colors are more challenging to remove, necessitating more sessions. Lighter colors are easier to remove with fewer sessions. However, for chemical ink tattoos, regardless of color shade, tend to yield less satisfactory treatment outcomes.

3.Physical Differences Factors such as age, skin condition, and body immunity contribute to variations in the removal process.

11.Warranty & Support

Product Name: Laser Hair Removal Device

Product Model: HR-AS23

Production Date: _____

Quality Inspection: _____

