

Magneto-optical

Model Number: T2



USER MANUAL

1、 Product Introduction

360 skin care system is all-around and high-efficiency skin care system. It is a multifunctional beauty equipment which combine the most advanced technology of medical beauty file, E-light, Rf, and YAG. 360 skin care system combine a variety of powers and give full play to solar energy, bipolar RF and laser, it has a significant clinical effect and has been proved to safely and effectively apply to different skin types and skin complexion.

2、 Technical advantages

- Large vertical equipment, huge color touch screen, exalted and noble.
- Combining four technologies, intense pulsed light, radio frequency and laser, having more complete functions.
- Latest plug and play butt joint, separating water and electric design, more secure and easy to install.
- Perfect combination of large capacity stainless steel tank and industrial radiator which provide water cycle cooling system and satisfy customers' continuous treatment demand.
- Nine operating languages suit to different colleagues in different countries.
- Water flow and temperate self- testing system and self-correcting system to guarantee safe operation.

3、 Technical principle

HR- professional 640nm-950nm hair removal wavelength effective penetration depth can reach the hair papilla, continuous light guarantees that the target tissue generates enough heat to inactivate the hair follicle and surrounding stem cells, hair

follicle atrophy hair stops growing; the latest single pulse technology and sapphire contact type The operation head enables the simultaneous operation and cooling to not only eliminate long-term effects of the hair, but also protect the normal skin tissue from being harmed, so that the customer feels more comfortable during the operation.

YAG- technology - on the basis of the theory that immediate and high-energy laser emission can efficiently crushes the pigment of diseased tissues, YAG makes irradiated pigment particles absorb power and swell to crack. Part of them splitting into more tiny nibs are excreted, and part of them are swallowed by body macrophage and excreted through lymphatic system, by which pigments are eliminated. Because normal tissue does not absorb the laser with fixed wavelength, thus the integrity of the cell framework is maintained without conditions that invoke scars form.

4、 Application Range

- Hair removal: permanent hair removal, hairs through whole body(hairs in growing period, including tiny hairs with light color
- Freckle removing: removing freckles, chloasma, sunburn, age spots, acne marks and facial blemishes
- Skin Rejuvenation: improving large pores, rough skin, tiny wrinkles, and restoring skin elasticity.
- Wrinkle Reduction: removing real and false wrinkles. Facial and body anti-aging.
- Telangiectasia treatment: redness, facial flush.
- Improving dull complexion to whiten and uniform skin
- Specifically eliminating red, brown, suntan and other colored tattoos.
- Effectively wiping out all kinds of eyebrow, embroider eyebrow, tattoos, eyeliner and lip liner.
- Treating pigmented skin lesions and mixed hyperpigmentation such as age spots, birthmarks, ota nevus, moles and so on.

5、 Technical parameters


Illuminant	IPL	Spectral Range	530nm (E-light) 640-1200nm(SHR)
Illuminance Area	10*40mm (E-light) 10*40mm (SHR)	IPL energy	1-50J/cm ²
Adjustable pulse width	2-99ms	Pulse	1-5
Laser wavelength	1064nm/532nm	Laser type	Q Switch Nd:YAG
Laser energy	30-1500J/cm ²	Laser frequency	1-6Hz
Display screen	10.4"ture color touch screen	Cooling system	Water cooling + semiconductor refrigeration, air cooling
Total power	2500W	Voltage	AC220V
Weight		Dimension	

6、 List of attachments

Terms	Unit	QTY	Remarks
Main Engine	PCS	1	
HR handpiece	PCS	1	
ND YAG laser handpiece	PCS	1	3 laser heads
Power line	PCS	1	
Key	PCS	2	
Blinder	PAIR	1	Used by customers
Protective Glasses	PAIR	1	Used by conductors
Water-injected Funnel	PCS	1	
Protective tube	PCS	2	Standby
Handpiece holder	PCS	1	E-light、SHR、RF、LASER
User manual	PCS	1	

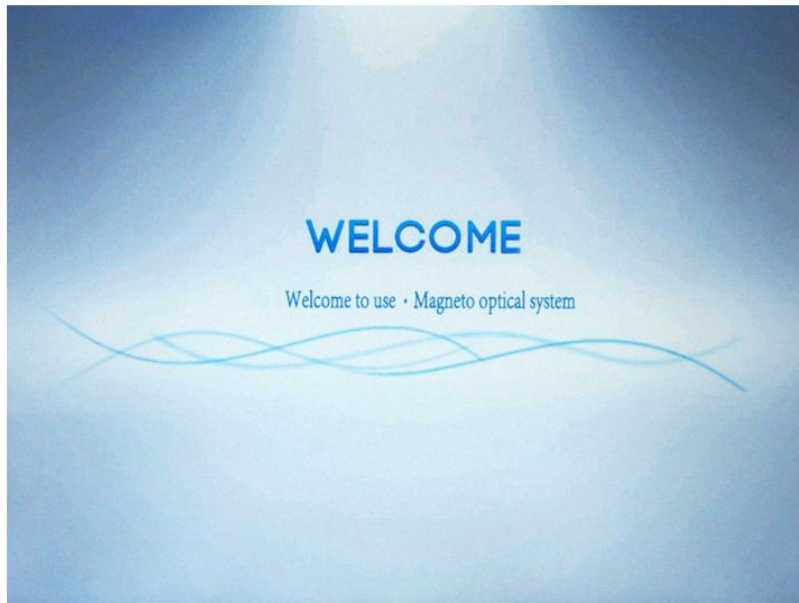
Please check the items immediately with the attachment list after unpack, and contact our company in 24 hours if there is any missing or damaged term.

7、 Installation and debugging

<p>Step One: Handpiece installation</p>	<ol style="list-style-type: none"> 1. Pick out rack screws and install E-light, SHR, Laser and RF racks 2. Contact handpiece in handpiece interface tightly and appropriately and put handpiece on its holder. <div data-bbox="571 600 1152 1012" style="text-align: center;"> <p style="border: 1px solid black; padding: 5px; display: inline-block; margin-bottom: 10px;">Ensure the below and above blue buttons pop-up and the snap joint is tight and appropriate when connecting a handpiece, otherwise it will be easy to cause inefficient flow that will burn out hand tool.</p>  </div>	<p>Key step</p>
<p>Step Two: Apparatus Injection</p>	<ol style="list-style-type: none"> 1. Screw off the sealing cap of injection hole and overflow hole. 2. Screw water-injected Funnel in injection hole and inject water(pure water or medical distilled water)in machine, until water flows from the overflow hole. 3. Screwed on the sealing cap after injection is completed, and screw tightly the sealing cap of overflow hole while injection hole is not used. . 	<p>Key step</p>
<p>Step Three: Apparatus Debugging</p>	<ol style="list-style-type: none"> 1. Please ensure the waterway and circuit is connected accurately, then plug in the power line, turn on power switch behind the backboard and start up on the condition that joints do not leak. 2. Clockwise screw the sudden button and clockwise to unscrew the key switch and start the machine. 	<p>Key step</p>

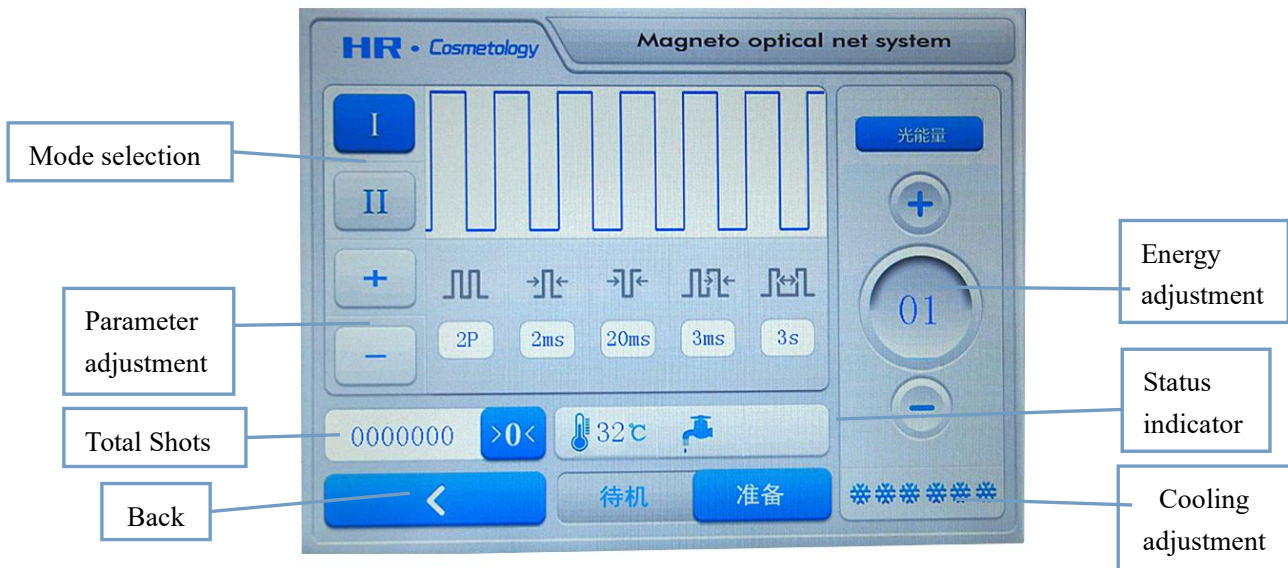
8、 Operating Instructions

8.1、 After the machine started and system automatic testing, click home screen and enter function select.:



Painless hair removal function instructions

②Click on the hair removal treatment mode to enter the operation interface: Function operation interface description



Number of Pulse: It refers to the number of pulse when the system is triggered to discharge. Increasing the number of pulse can make the light deeper function in the skin. Click the button to adjust the range from 1 to 5.

First pulse width: It refers to the time that the first hard pulse functions in skin. Click the button to red and press ▲ ▼ to set. Click the button to white to quit the setting.

Secondary pulse width: It refers to the time that the secondary pulse functions in skin. The button will not light under the condition of single pulse. Click the button to red and press ▲ ▼ to set. Click the button to white to quit the setting.

Pulse interval: It is the time between two pulses. Click the button to red and press ▲ ▼ to set. Click the button to white to quit the setting.

RF time: It is the time that RF functions in skin. The adjustment range is 50 to 2500ms. Click the button to red and press ▲ ▼ to set. Click the button to white to quit the setting.

Flash interval: it means the interval time between two flash, click directly to adjust, the range is 1-5s.

Total flash: It refers to the total number of times of flashing.

Flash this time: It refers to the number of times that the machine flash this time.


Status bar: It shows the stage of light, stage of charging, stage of water level and stage of water temperature.

Back: Click the button to back to the operation interface.

IPL adjustment: Click the button to adjust the energy output of IPL. The window will show the present energy value during the adjustment.

RF adjustment: Click the button to adjust the energy output of RF. The window will show the present energy value during the adjustment.

Refrigeration: Click the button to adjust physical therapy temperature. It totally has ten gears. The more the blue snow is, the lower the temperature is. No snows means refrigeration is closed.

Ready: Click  to start the machine. And press the handle into the lighting stage.

Standby: Click  to stop the machine.

YAG function operation instructions

Click "YAG" function to enter the laser function operation interface:



8.2. In the lower left corner of the function selection interface, click the Settings button to enter the background settings:

9、Operational knowledge

9.1、Taboo crowd

- Cardiac patients and hypertensive patients

- Pregnancy and epileptic patients
- Hypertensive patients and diabetics
- Light sensitiveness customer
- Customers who work long time in bright light and whose skin was sunburnt recently
- Customers who have changed skin recently
- Customers who are taking medicine like antioxidant and hormone

9.2、 Preparation for physical therapy

- ①、 Consult before operation and fill in files
- ②、 Preparation: Prepare cold-set gels, scraper and safety glasses and preheat equipment
- ③、 Operation procedure: Remove makeup——clean the face——scrap extra hairs——smear cold-set gels——facula test——physical therapy operation——cold compress——moisturizing——smear repair products

9.3、 Announcements during physiotherapy

- ① Providing the clients with strict and effective eye protection(such as gauze and protective goggles)
- ② During operation, the use of gel is suggested to be 2 to 3mm and for the bareheads, the gel could form the perfect suction with the skin. Avoid pressing heavily or being dangling.
- ③ Slight discomfortable stinging and mild fever within the tolerant range is normal phenomenon.
- ④ The energy parameters are successively regulated for 2 to 3 according to the personal acceptability and cutaneous reaction. After operation, skin redness, exothermic reaction and slight stinging are normal phenomena and could be reduced by applying cold compress with 30 minutes. Pigment would be decomposed and extracted to the top layer of skin after cooling.
- ⑤ Clients with redness must carry out the first operation on the affected area with energy parameter at 15 to 18J/cm². 5 minutes later, repeat the operation with energy

parameter at around 25J/cm². This process could repair cuticle cells and alleviate red blood symptoms. After the operation, the symptom of red blood might be more serious and would be alleviated after 10 days.

⑥ A few minutes after physiotherapy, skin with freckle and pigmented naevus may have hyperpigmentation phenomenon for pigment have been extracted to the surface of skin. The symptoms of freckle and pigmented naevus would be alleviated and disappeared along with the metabolism after 3 to 7 days.

⑦ After physiotherapy, there would be a painful burning and stinging sensation on the skin. The skin might turn red slightly and the symptoms would disappear in half an hour(the symptoms may last for 1 or 2 hours for special individuals, esp.those with sensitive skin); within few couple days, there will be itching feeling which is a normal reaction to metabolism and can be relieved by moisturizing.

9.4、Announcements after treatment

① Cooling, cold compress, cold spray and natural cooling are available.

② Moisturizing, it is suggested to apply hydrating masque for 7 days and avoid having sauna or steam. Can only clean face with cold water for 10 days.

③ Anti-sunburn, the use of sunscreen of SPF 20+ and without foundation is necessary. Protect the surgical spot from the sunlight and use sun-resistant products, such as sunshade when going out.

④ Do not take any irritative food like spice or seafood for a week after operation. Photosensitive food such as celery and parsley are forbidden. Do not take too much food with high pigment content and avoid alcohol and tobacco.

⑤ Cosmetics with certain effectiveness and hormone are banned during the treatment.

⑥ The interval period between two physiotherapies is about 28 to 45 days, and the interval of hair removal is 2 months.

10. Matters needing attention

10.1, Handling Safety

The instrument memory precision devices, users try not to move long distances.

Before transporting the machine, the water in the instrument must be kept clean, all

water holes must be blocked, and the shock-absorbing package provided by the manufacturer must be used during transport. Otherwise, the optical system may be misaligned and affect the energy output.

10.2、 Electrical safety

When operating the equipment, it would generate high voltage. Even if the power is off, the high voltage devices are still full of danger. It is risky to open up the case arbitrarily.

10.3、 Operation safety

- ① Must fill the case with purified or distilled water, otherwise the special parts would be burnt down.
- ② Must check both the electricity and water circuits and keep eye on the security of the circuits during the hole process.
- ③ Must not look directly at the strong light emitted by the front-end export of the skinhead hands.
- ④ Avoid placing any reflective materials in therapeutic room, such as watch, mirror, jewel and so on.
- ⑤ Keep the optical system clean and assure that the cooling gel would not pollute the system.

11、 After-sale maintenance and services

11.1、 The main engine of the equipment is guaranteed for 12 months(the invoice is needed). Maintenance-free for equipment failure(non-artificial) within guarantee period. The company could provide maintenance service for products that are beyond guarantee period, but with charge for the installation kits and consumables(the freight is also assumed by the clients). If there are necessities for supplement materials or purchasing information, please contact with us.

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11.2、 The following equipment failures caused by the clients are excluded from maintenance-free range:

- ① Any consequences resulting from unauthorized tampering and refitting with the

products.

②Any consequences resulting from using skinhead hands offered by other companies.

③Any consequences resulting from misusing, beating and dropping.

④Any consequences resulting from insufficient good maintenance.

⑤Any consequences resulting from disobeying the operation instruction.

11.3、Product maintains

Product warranty card

Name		Customer Name	
Mode NO.		TEL	
Purchase date		ADD	
Maintain date	Failure cause	Maintain content	Maintain Person