

TRIMION AFRICA™

Professional 808nm Diode Laser + Picosecond System Manual

This professional operational manual includes laser treatment guidance, technical specifications, cooling system instructions, operational safety, treatment interface references, and maintenance recommendations for the TRIMION AFRICA™ Professional 808nm + Picosecond Platform.

System Applications

- Hair reduction treatments
- Skin rejuvenation support
- Pigmentation appearance support
- Tattoo appearance reduction support
- Skin tightening support
- Freckle and age spot appearance support

Technical Specifications

808nm Diode Laser

Laser Wavelength: 808nm

Energy Density: 2–60J/cm²

Output Power: 300W–350W

Pulse Width: 20–400ms

Working Frequency: 1–10Hz

Picosecond Laser

Laser Power: 500W

Laser Frequency: 1–10Hz Adjustable

Wavelengths: 1064nm / 532nm / Optional 755nm

Cooling: Water Cooling + Air Cooling + Radiator

Operational Warnings

- Always verify proper water circulation before operation.
- Prevent overheating of the handpiece during extended treatments.
- Use protective transport packaging during delivery or relocation.
- Avoid dropping treatment handles or laser components.
- Operate within a professional treatment environment only.

Laser Safety

- Protective eyewear is mandatory.
- Never look directly into the laser output.
- Avoid reflective instruments and reflective jewelry.
- Ensure effective patient eye protection during treatments.
- Keep flammable substances away from laser treatment areas.

Warranty & Support

- 1-Year Limited Warranty
- Lifetime Technical Support Assistance
- Professional-use equipment only
- Nationwide & Worldwide Delivery & Support

808nm + Laser Operating instructions

1. Scope of application of the picosecond laser:

1, all kinds of spots, such as: chloasma, freckles, senile spots, sunburn, plateau spots, etc.;

2, pigmented lesions; 3, skin tightening and remove wrinkles; 4, remove tattoos; 5, whitening and tender skin;

2. 808 Scope of application of semiconductor laser

permanent hair ator:

1. Hair removal: suitable for the permanent removal of excess hair in all skin types;

2, skin rejuvenation: shrink pores, tender white skin, and tighten the skin;

3. warn

1, 808 is equipped with precision laser optical system, the handling process must be used in the original factory lift

The shock absorption packaging may lead to the imbalance of the laser system, affecting the laser output energy.

2. After starting up, please unscrew the water injection lid to observe the water circulation (see the water flow). If the water circulation is not good, the whole machine will be scrapped.

3. During the operation, the treatment handle should not be overheated. If the operation time is too long and the gun body is warm, stop immediately for heat dissipation, otherwise the whole machine will be scrapped.

4, the operating handle shell of this product is installed with precision and fragile laser parts, and strictly prevent falling when placed and used!

4. FS

DIODE LASER



Skin Rejuvenation

graph 1

1. 800 function entrance, click to enter 808 to select the operation interface (Figure 2); 2
- , Picosecond function entrance, click to enter the picosecond mode operation interface (Figure 6); 3
- , Background setting button, click to enter the password authentication interface;

5. 808 Mode selection

DIODE LASER



graph 2

1. At the flash function entrance, click to enter the flash operation interface;
- 2, professional function entrance, click to enter the professional operation interface;
- 3, skin rejuvenation function entrance, click to enter the skin rejuvenation operation interface;
5. Return to the button and click to re-enter the function selection interface;

Picosecond technical parameters:

Name: Handheld picosecond

Laser power: 500W

Laser frequency: 1-10P / S adjustable

Laser wavelength: 1064nm, 532nm (honeycomb 755nm optional)

Laser pulse voltage: 600V- 950V

Output voltage: mains 220V / 50 HZ / 60 HZ

Energy density: laser: 10- 70J / CM²

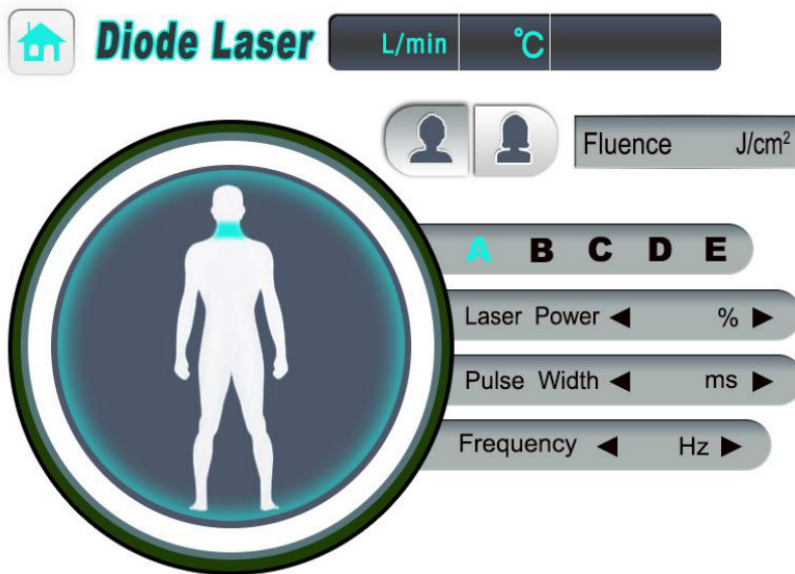
Cooling mode: air cooling, water cooling, radiator

808 Technical Parameters:

Laser type: semiconductor laser
Laser wavelength: 808nm

Energy density: 2-60J / cm²
Laser output power: 300W
Pulse width: 20-400ms
Working Frequency: 1-10 HZ
Spot size: 1,315mm
Output mode: pulse emission
Output power: 350W
Cooling mode: water cooling + air cooling + radiator

Six, 808 flash mob operation

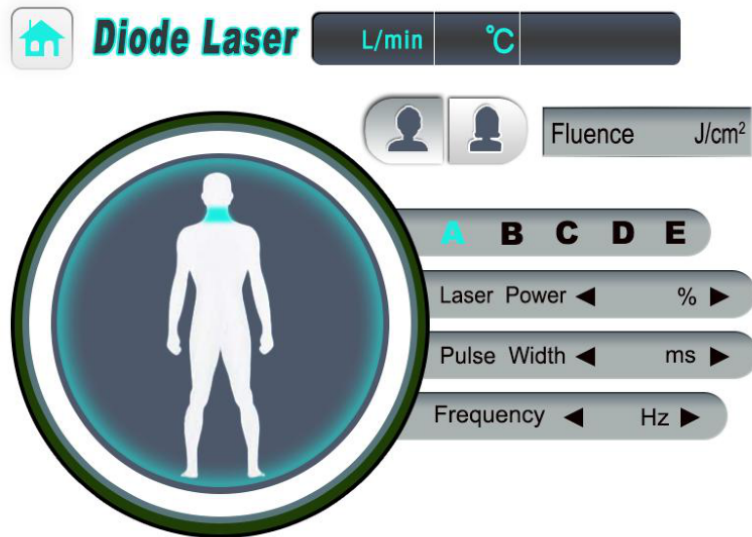


graph 3

1. Return to the button and click back to the 808 mode selection interface (Figure 2);
2. the current flow display, the unit is up per minute;
3. the current temperature display, in degrees Celsius;
4. The number of light out of the handle currently entering this mode;
5. Refrigeration button, default open;
6. Customer gender selection, selection according to the gender of customers;
7. Customers' body parts selection, namely face, chest, hands, feet, etc.;

- 8, customer skin color choice, from shallow to deep;
9. Display the corresponding gender, body and skin color according to different Settings;
- 10, handle light energy adjustment, adjustment range 1-30;
11. Prepare button, click into the preparation state, press the handle button to emit light; release the handle button, that is Stop the light;

Seven, 808 professional operation



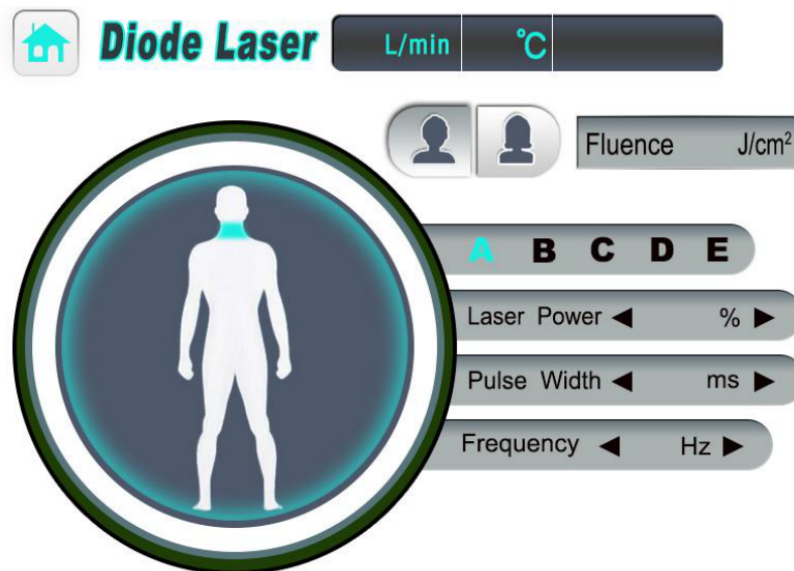
graph 4

1. Return to the button and click back to the 808 mode selection interface (Figure 2);
- 2, the current flow display, the unit is up per minute;
- 3, the current temperature display, in degrees Celsius;
4. The number of light out of the handle currently entering this mode;
- 5, Refrigeration button, default open;
6. Customer gender selection, selection according to the gender of customers;

7. Customers' body parts selection, namely face, chest, hands, feet, etc. ;

- 8, customer skin color choice, from shallow to deep;
9. Display the corresponding gender, body and skin color according to different Settings;
10. Adjust the handle light out frequency, and the adjustment range is 1-5;
- 11, the handle out of the light pulse width adjustment;
- 12, handle light energy adjustment, adjustment range 1-30;
13. Prepare button, click into the preparation state, press the handle button to give light; release the handle button, that is Stop the light;

Eight, 808 skin rejuvenation operation

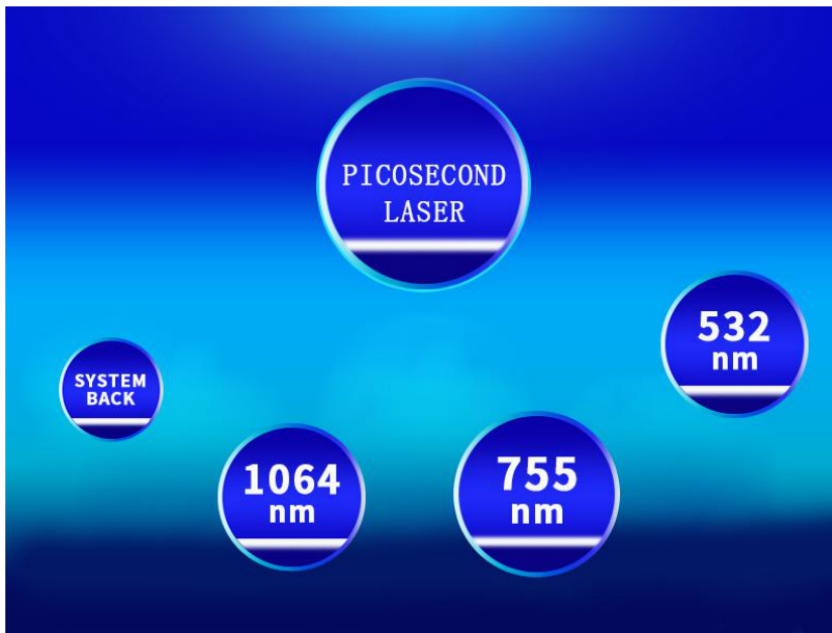


graph 5

1. Return to the button and click back to the 808 mode selection interface (Figure 2);
- 2, the current flow display, the unit is up per minute;
- 3, the current temperature display, in degrees Celsius;
4. The number of light out of the handle currently entering this mode;
- 5, Refrigeration button, default open;

6. Customer gender selection, selection according to the gender of customers;
7. Customers' body parts selection, namely face, chest, hands, feet, etc. ;
8. customer skin color choice, from shallow to deep;
9. Display the corresponding gender, body and skin color according to different Settings;
- 10, handle light energy adjustment, adjustment range 1-30;
11. Prepare button, click into the preparation state, press the handle button to emit light; release the handle button, that is Stop the light;

Nine, picosecond mode



graph 6

1. Return to the button and click to re-enter the function selection interface (Figure 1);

2.1064 mode button, click to enter the picosecond 1064 mode operation interface;
3.755 mode button, click to enter the picosecond 755 mode operation interface;
4.532 mode button, click to enter the picosecond 532 mode operation interface;

Ten, picosecond operation



graph 7

1, picosecond light energy adjustment, first click the area to select, press (4) up and down the adjustment button to adjust;

2. Picosecond light frequency adjustment, first click the area to select, press (4) up and down adjustment button to adjust;

3, picosecond light spot adjustment, first click the area to select, press (4) up and down adjustment button adjustment; 4,

The above corresponding adjustment button;

5. Return to the button and click to return to the picosecond mode interface again (Figure 6);

6. The number of light outs of the handle currently entering this mode;

7, the screen brightness adjustment;

8. Current flow rate and temperature display;

9. Prepare button, click into the preparation state, press the handle button to get light; release the handle button, namely

Stop the light;

Xi. Preparation for use

First of all, with a small funnel to the tank with clean water (not necessarily distilled water or pure water, because 808 with water filtration system) when adding water pay attention to observe whether the overflow water overflow, water overflow proves that the tank is full can be positive

Often work:

- 1, then boot, at this time the machine is electrified, and hear the normal sound of the water circulation. The red emergency stop button must be in the raised position;
2. At this time, please observe whether there is water injection in the instrument water tank from the water outlet or water injection mouth, and determine the normal laser hair removal / skin rejuvenation;

Xii. Safety precautions

1. Electrical safety

- (1) 808 + Laser single-phase 220V power supply is not greater than 3A;
- (2) The 808 + Laser connected power supply must use the single-phase three-line battery socket of 10A;
- (3) 808 + Laser operation time memory has high voltage, after the power supply is turned off, the high voltage device may still have residual voltage, open the protective cover of the chassis at will may have high voltage shock danger!

2. Safety of handling

- (1) The 808 + Laser handle shell is equipped with precision laser optical system, and the shock absorption package provided by the original factory must be used to drain the water. Otherwise, it may lead to the imbalance of the laser system and affect the laser output energy.

3. System safety device

To ensure the safety of use, the 808 + Laser is designed with the following safety protection devices:

- (1) Standby / preparation control: the laser output is prohibited in the standby state, which is the safe state of the system;
- (2) Keyswitch: operator qualification limit.

4. Laser safety

- (1) 808 + Laser belongs to 4 types of laser products according to the laser radiation safety classification;
- (2) The laser is a visible laser beam, which has wavelengths of 1064nm, 532nm and 755nm, and the operator should wear special protective goggles with a wavelength range of 200-1080nm;
- (3) The laser window is located at the end of the pistol head aiming, and should avoid the radiation from the laser emitted from this window.
- (4) Never look directly at the end port of the pistol head and any reflected laser beam;
- (5) Easy and explosive narcotic drugs, liquids, gases such as alcohol, ether, oxygen, etc., should be far away from the laser radiation area, and have protective measures;
- (6) Metal instruments can cause laser reflection, the operator should avoid direct irradiation on these instruments, try not to use reflective instruments;
- (7) Operation should avoid taking watches, necklaces, bracelet bracelets and other reflective laser ornaments;
- (8) Patients must be provided with strict and effective eye protection. Such as with gauze cover, eyelid plate, eye mask, etc.

The operator applied gauze to cover the operator's eyeball. When washing eyeliner, eyeliner washing surgery must be performed skillfully according to the training method of our company. With eyelid plate and eye protection for easy operation, the operator should have clinical experience in ophthalmology. When using the above devices, must be strictly done disinfection. Otherwise, improper eye protection will cause great discomfort to the operator. Mild cause corneal inflammation, serious cause corneal shedding, and even blindness;

(9) It is strictly prohibited to use laser to other places except for treatment, laser targeting. The end exit of the pistol head must point to a safe place when moved during treatment and placed after treatment;

(10) The laser radiation warning sign should be affixed with the entrance of the laser treatment room, and irrelevant personnel are prohibited to enter and exit at will during the laser use;

(11) It is recommended that you be equipped with a special laser operation room indoor no use of any reflective equipment, indoor equipped with air conditioning, cooling machine and other equipment. Laser operation shall be divided into operator and operator designated areas, and preoperative operation shall be posted in the room

matters need attention;

(12) Note: large spots correspond to small energy density, small spots correspond to large energy density energy density = energy size / spot area.

5. Keep your eyes safe

(1) The operator in the laser operation area must wear protective glasses and provide strict eye protection for the operator;

(2) The operator in the operation area shall wear specialized laser protective goggles with an appropriate wavelength of 200-1080nm;

(3) The laser protective lens can not completely protect the direct laser or the laser reflected by glass, reflection mirror and smooth metal surface, so it is strictly prohibited to wear a protective lens to look directly at the above direct laser and reflected light;

(4) Cover with gauze, wearing protective eye mask, eyelid lid shielding are effective to protect the eyes of the operator; (5)

Please turn off the instrument when debugging the laser or wiping the laser lens.

Thirteen, after-sales problems

1, the instrument warranty period of time is one year, lifelong maintenance;

2, if the warranty is not within the scope of the failure (such as human factors) caused by the instrument is still in the warranty period, then only the relevant costs can be charged;

3. If the buyer needs to send the whole machine back to the factory during the warranty, the round-trip expenses shall be borne by the buyer;

If the instrument after the warranty period needs to replace other parts or upgrade, can be charged according to the relevant accessories price.

The Company reserves the right of final interpretation of the said information