

# TRIMION AFRICA™

808NM DIODE LASER + PICOSECOND SYSTEM

ELITE TRAINING • SETTINGS • PROBE GUIDE • SAFETY • OPERATION MANUAL

**Professional-use training preparation manual for the TRIMION AFRICA™ 808nm Diode Laser + Picosecond Platform.**

This enhanced manual includes: • Setup preparation

- Water circulation guidance
- Probe & handle explanation
- 808nm starter settings by body area
- Picosecond wavelength explanations
- Safety protocols
- Treatment preparation
- Original interface reference images
- Operational guidance for training preparation

## 808NM BODY AREA SETTINGS

### **Face / Upper Lip**

Energy Level: 6–10

Frequency: 1–2Hz

Conservative settings only. Avoid eyelids and eyebrows.

### **Underarms**

Energy Level: 10–15

Frequency: 2–3Hz

Glide evenly with cooling active.

### **Legs**

Energy Level: 14–22

Frequency: 3–5Hz

Large-area glide movement recommended.

### **Bikini Area**

Energy Level: 8–14

Conservative treatment approach required.

## PICOSECOND WAVELENGTH GUIDE

**1064nm**

Deeper pigment and darker tattoo support.

**532nm**

Surface pigment and lighter/red-toned tattoo support.

**755nm Optional**

Honeycomb/carbon peel and rejuvenation support where applicable.

## PROBE & HANDLE GUIDE

**808nm Handle**

Hair reduction & skin rejuvenation support.

**Picosecond Handle**

Pigmentation and tattoo appearance support.

**Cooling System**

Maintains temperature stability and protects laser operation.

## SAFETY PRECAUTIONS

- Protective eyewear is mandatory.
- Never look directly into laser output.
- Avoid reflective surfaces and jewelry.
- Always confirm water circulation before operation.
- Stop immediately if the handle overheats.
- Operate in a professional environment only.

## TRAINING PREPARATION CHECKLIST

- Machine placed on stable surface
- Water tank filled correctly
- Protective eyewear ready
- Clean towels available
- Stable power supply connected
- Treatment space cleared
- Handpieces positioned safely

# ORIGINAL MACHINE INTERFACE REFERENCES

Original Reference Interface – Page 1

## 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**

Original Reference Interface – Page 2

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 / CM<sup>2</sup>

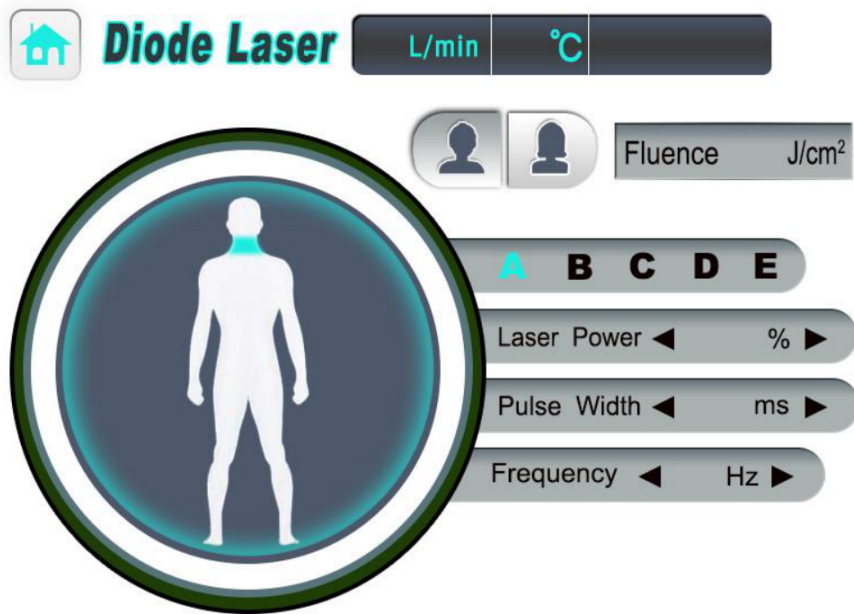
Cooling mode: air cooling, water cooling, radiator

808 Technical Parameters:

Laser type: semiconductor laser  
Laser wavelength: 808nm

Energy density: 2-60J / cm<sup>2</sup>  
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

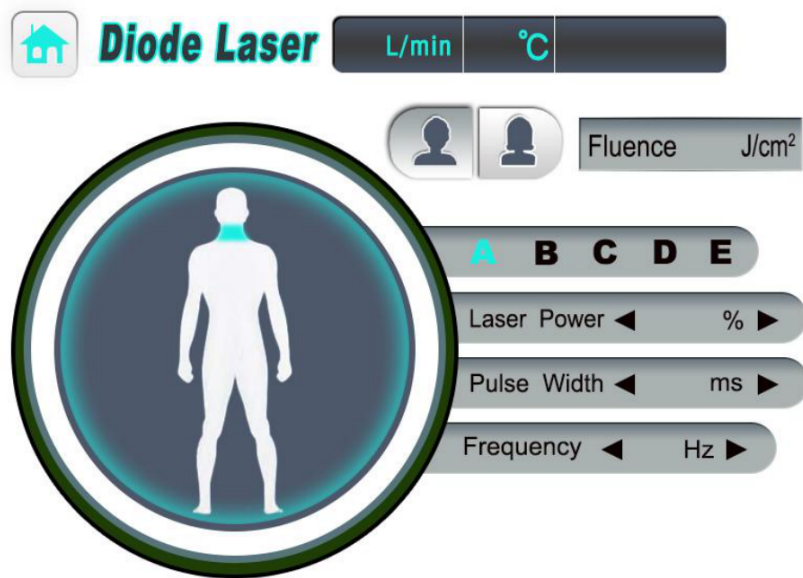


graph 3

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



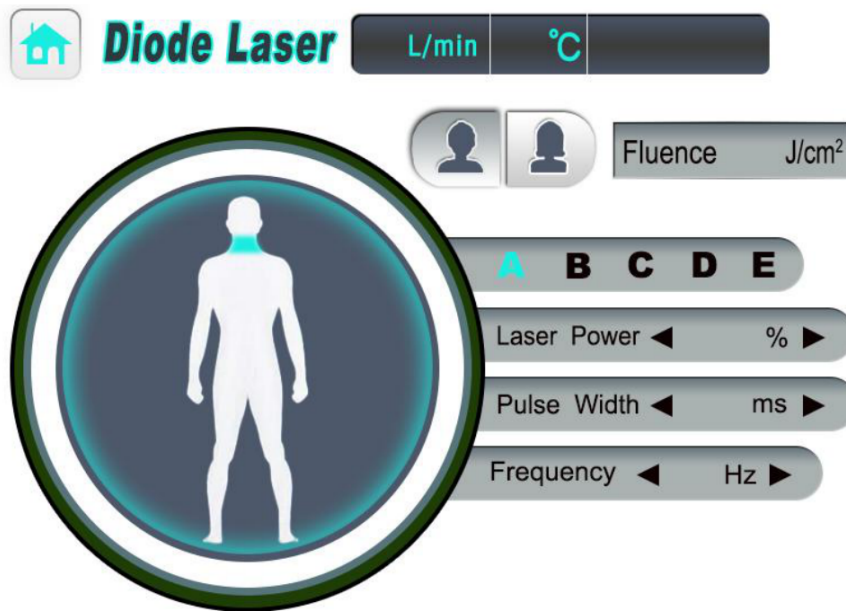
graph 4

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

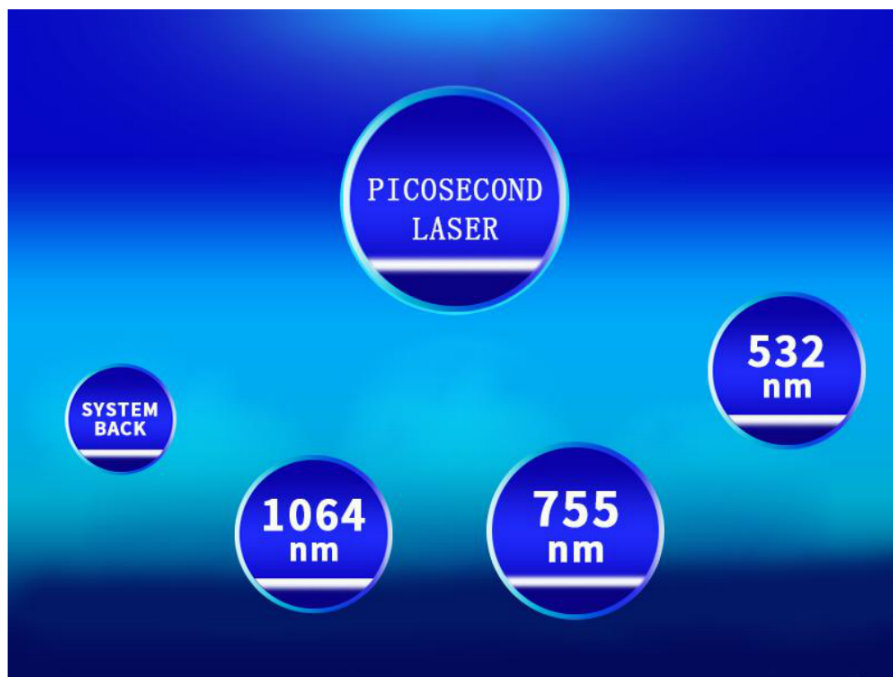


graph 5

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);

TRIMION AFRICA™  
Premium Aesthetic Technology  
WhatsApp Support: 061 118 5978