

Fractional CO₂ Laser Beauty Machine

BG862 User Manual



IMPORTANT: before starting the equipment correctly, please follow the installation instructions. Any damages caused by incorrect operations will void the warranty.

Safety Information:

Thank you for choosing our products! This user instruction is specially designed for the safety of you and others. Please read the instructions carefully before installing or using the machine and follow them when using. The company does not take any responsibility for any accidents and problems caused by improper operation or mistakes, excluding quality problems.

Electrical Safety

Before installing the machine, make sure that your local electric network complies with the voltage and frequency indicated on the tag on the rear panel. Otherwise, the machine may be damaged incase of excessive current or voltage rise.

Never touch the machine with damp or wet hands or feet.

It is dangerous to change or try to modify the function of this machine in anyway.

Do not attempt to operate this unit if the power cord has been frayed or broken.

Do not spill water or other liquids into or onto your unit.

During long periods of non-use, disconnect the unit's main power.

Safety Rules When Installing

Place the machine on a stable and secure base. It should not be subjected to any jolts or vibrations.

Never expose the unit to too high(>40°C) nor too low temperature(<5°C).

NEVER EXPOSE THE UNIT TO RAIN OR ANY OTHER HUMIDITY.

Do not expose the unit to direct sunshine or install the unit close to a source of heat(central heating, radiator...); otherwise the screen may be damaged.

Do not cover or block the ventil at or behind the unit.

Safety Rules When in Use

Well clean areas to treat before treatment.

Never touch the machine with damp or wet hands or feet.

Operate Interface Instruction

Treatment screen interface.

Make sure the power line has been installed correctly; make sure the hand pieces are well connected with the equipment; ensure the circuit breaker (if any) at the back of the machine is pressed to "on". The working menu will appear automatically. Choose the Language. Choose the right parameter to do the treatment according to the needs of customer.

Turn on the machine and you can see the welcome screen and main selection interface.

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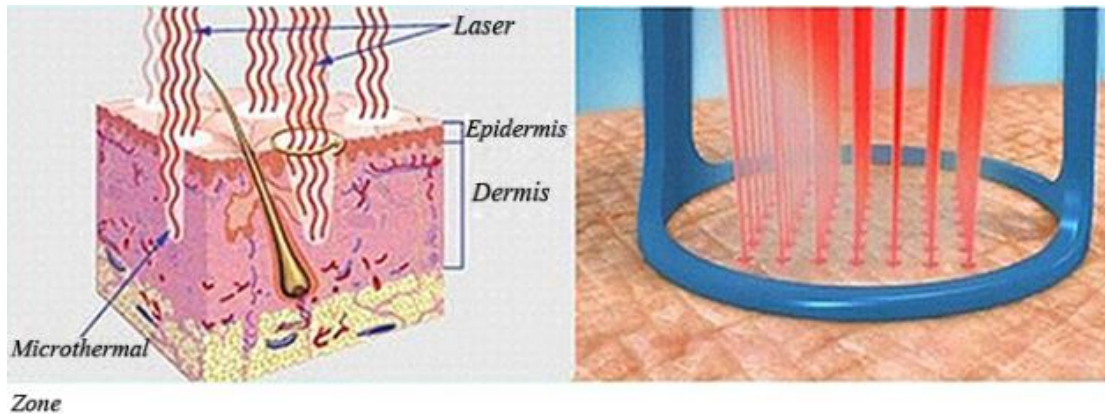
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1. Theory

The wavelength of CO₂ laser is 10.6μm, which can be fully absorbed by human biology tissue (all the skin are available). The sealed-off fractional CO₂ laser, whose output laser-light will be transferred by articulated arm, which has better sense of direction and higher energy density.

The CO₂ laser operates in the invisible infrared waveband, and an aiming beam is required to see where the treatment beam will impact tissue more recently from a visible red diode laser. When the laser beam go through the focus lens, the produced heat will gasify the target tissue.

With fractional laser resurfacing the laser beam is broken up or fractionated into many small micro beams which are separated so that when they strike the skin surface small areas of the skin between the beams are not hit by the laser and left intact. These small areas of untreated skin promote a much more rapid recovery and healing with less risk of complications. The small areas treated by the fractional micro beams, called micro treatment zones, cause sufficient laser injury to promote new collagen production and resultant facial skin rejuvenation.



Intimate Laser is a non-invasive laser pelvic floor repair technology without surgery. Using the micro-pulse stimulation effect of CO₂ laser, it increases cell oxidation and nutrients, and a large number of fibroblasts synthesise and secrete into collagen fibres, elastin fibres, reticular fibres and organic matrix, so as to make the vaginal wall thickened and the vagina tightened, and to activate women's own repairing ability.

2. Application

- (1) Remove acne and acne marks.
- (2) Eliminate dry pattern, fishtail, etc around the eyes.
- (3) anti-aging: skin firming, wrinkle removal, improve the skin condition.
- (4) Treatment of pigmentary lesions such as freckles and ostrum miracles.
- (5) Scar: treatment of depressed, old dispersion, convex vascular / fibrous scar.
- (6) Stretch marks.
- (7) Improves tissue tone and tightness in the labia externa and inside the vagina, tightens the skin and tissues, improves the tone, softness and moistness of the tissues.

3. Parts Introduction

(1) Parts Introduction



- 7. Water Overflow
- 8. Power Switch
- 9. Water Inlet/Outlet
- 10. Power Line Socket
- 11. Foot Switch Socket
- 12. Foot Switch



(2) Treatment Heads

Fractional Head



Ultra Pulse Head



Note: The fractional head uses in fractional mode, the ultra pulse head uses in surgery mode.

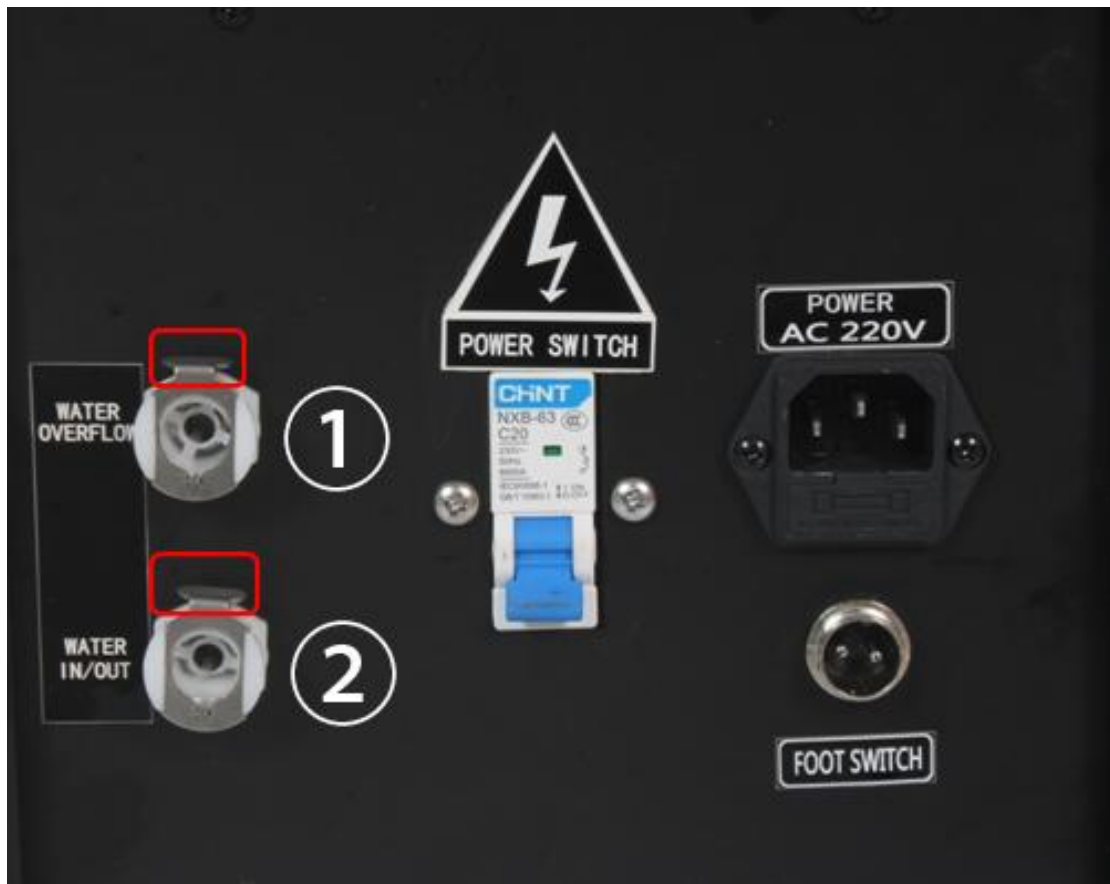
Vaginal Whitening



Vaginal Tightening



(3) Water Inlet and Outlet



Press the red frame shown in the picture above.

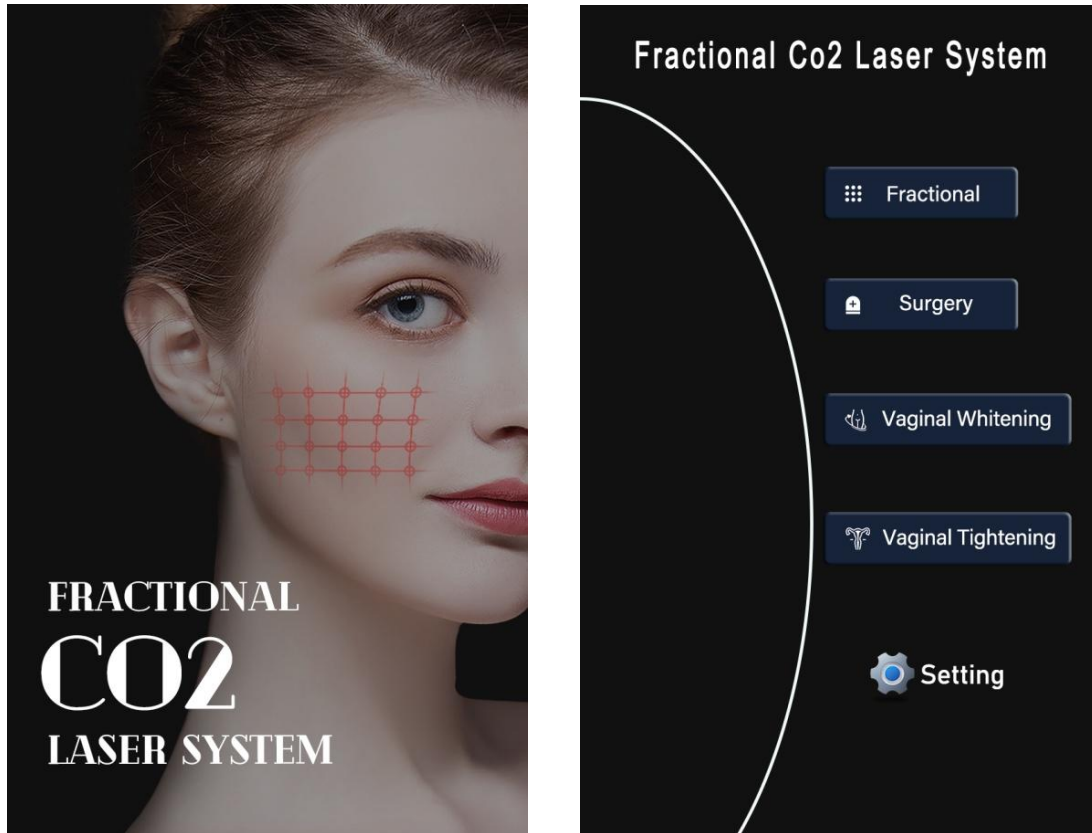
To fill in water, connect the cup with water inlet port ②, insert the water pipe with port ①, fill in water until the water flow out from port ①.

To drain off the water, connect the water pipe with water outlet port ②, insert the cup to port ①, then the water inside will flow out.

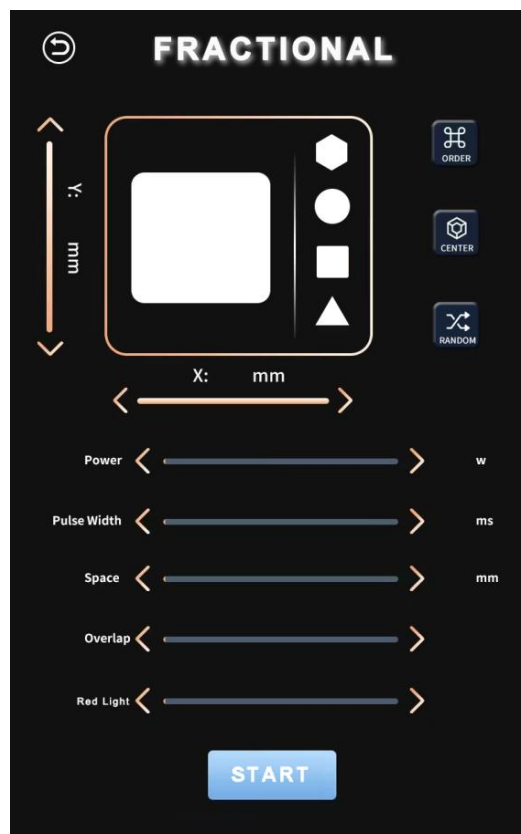
Attention: add pure water before turning on the equipment, otherwise the equipment will be damaged, change the water every month.

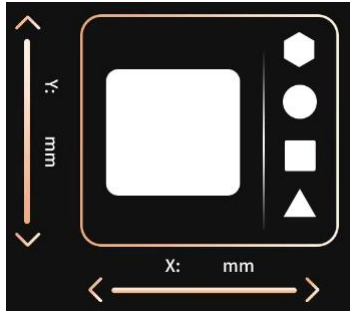
4. Operation

When the key switch is turned on, the following interface appears.



(1) Fractional





Select a graphic: hexagon, circle, square, triangle. Click on the arrows to adjust the size of the shape, the maximum can be up to 20 mm×20 mm, the minimum is 4 mm×4 mm.



Click to select the scan mode.



click



to adjust the power, adjustment range: 1-60W.



click



to adjust the duration, adjustment range: 0.1ms -10ms.

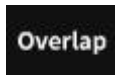


click



to adjust the interval between the two red dots, adjustment range:

0.1mm -2.6mm.



click



to set the number of repetitions.



click



to set the power of red light.



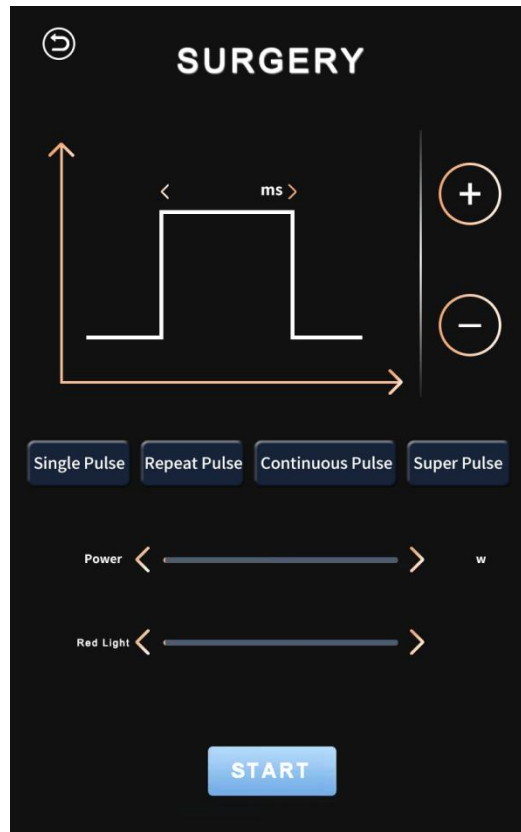
After setting the parameters, press

The working head is placed on the treatment area, step on the foot switch to start treatment.

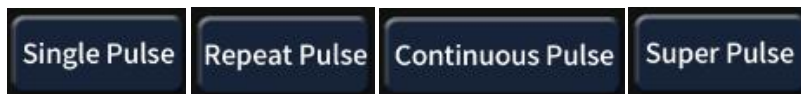



Press to stop treatment.

(2) Surgery





Select the treatment mode:





Click   to adjust the pulse width.




click   to adjust the power, adjustment range: 1-60W.



click   to set the power of red light.



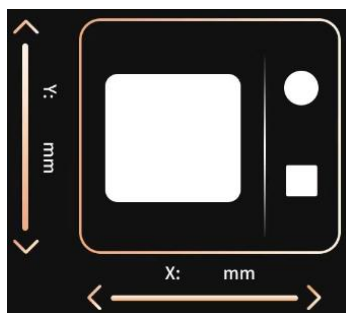
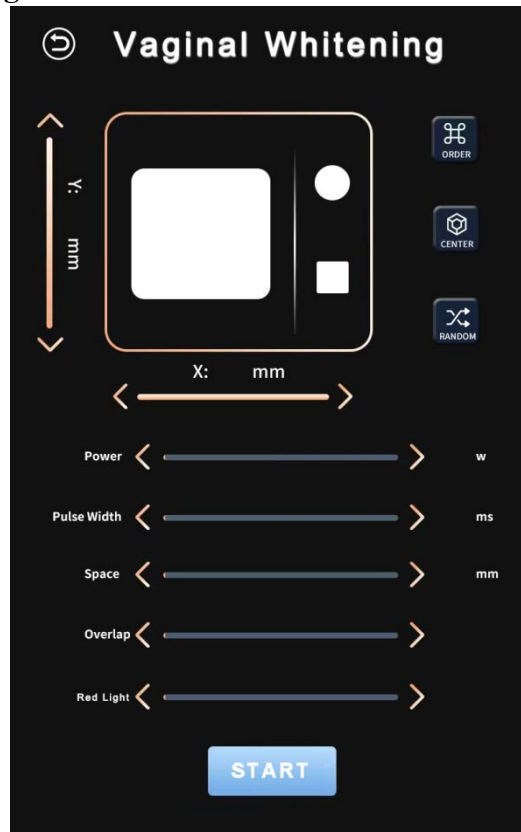
After setting the parameters, press .



Aim the working head at the treatment area, step on the foot switch to start treatment.

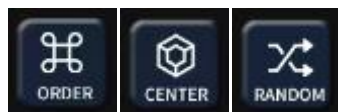


Press  to stop treatment.



(3) Vaginal Whitening







Select a graphic: circle, square. Click   to adjust the size of the shape, the maximum can be up to 20 mm×20 mm, the minimum is 4 mm×4 mm.





Click to select the scan mode.

Power click   to adjust the power, adjustment range: 1-60W.

Pulse Width click   to adjust the duration, adjustment range: 0.1ms -10ms.

Space click   to adjust the interval between the two red dots, adjustment range: 0.1mm -2.6mm.

Overlap click   to set the number of repetitions.

Red Light click   to set the power of red light.



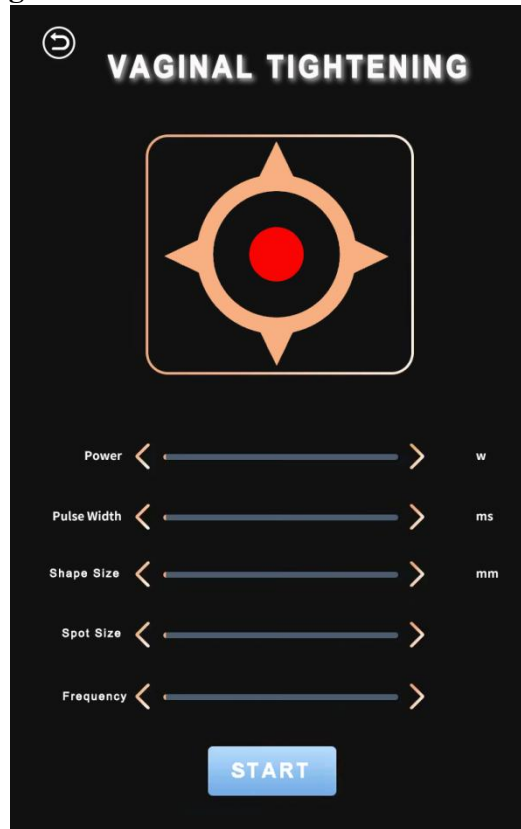
After setting the parameters, press

Aim the working head at the treatment area, step on the foot switch to start treatment.



Press to stop treatment.

(4) Vaginal Tightening



Power click to adjust the power, adjustment range: 1-60W.

Pulse Width click to adjust the duration, adjustment range: 0.1ms -10ms.

Shape Size click to adjust the size of the shape: 4mm -20mm.

Spot Size click to adjust the spot size.

Frequency click to set the frequency.



After setting the parameters, press , step on the foot switch to start treatment.



Press to stop treatment.

(5) After Treatment



After treatment, press button , switch the key and turn off the machine.

The operating arm is placed in an unstressed natural location to maintain a good output stability.

Remove the treatment head and other tools to clean and disinfect.

When the machine is not used, unplug the key switch, keep it safe.

5. Cautions

(1) Fractional and Surgery

① Before Treatment

Avoid exposure 2 weeks before treatment, apply sunscreen prevention.

Within 1 week before treatment, avoid taking aspirin or aspirin drugs, except for medical advice.

Try to avoid alcohol, fish oil nutritional supplements and vitamin E.

1 week before treatment, please deactivate skin care products containing type vitamin A, or nursing products containing fruit acid. The products can be used 2 weeks after treatment.

② After Treatment

After treatment, the customer cannot immediately touch the local to prevent bacterial infections; the treatment area uses antibiotic or non-antibiotic ointment according to the doctor's order to prevent bacterial infection.

Keep the treatment area clean and dry, avoid water within 3-7 days. The surrounding skin can be cleaned with a wet towel.

After the crusting, it is not necessary to force zushing to prevent damage to the skin, extend the cure time.

After string, avoid sunlight or using sunscreen to prevent pampine. If a pigmentation occurs, apply the spot cream, or the pigment naturally disappear after 3 months or more.

After string, check the residue of the disease, if there is residue, an early supplementation is necessary.

(2) Vaginal Treatment

① Before Treatment

Strict contraception in the month of treatment.

It is recommended that the best time for treatment is 3-7 days after menstruation, or one week after the next menstrual period.

No sexual intercourse, vaginal douche and medication 3 days before the operation.

The treatment area must be dry and clean. No douche, ointment, lotion or other substances that affect laser emission.

② After Treatment

Intravaginal laser treatment

Showering is prohibited on the day of intimate laser treatment, and tub bath and spa are prohibited for 3 days.

Wear cotton loose underwear.

Regular sexual intercourse is usually allowed after 3-4 days and generally recommended after 7 days.

Vulvar laser treatment

To reduce post-treatment edema and avoid inflammation, after treatment, use cold compresses or pre-cooled wet gauze on the treatment area.

On the 1st day after treatment, use sterile gauze and salt water for thorough and gentle skin cleansing. After each cleansing or bathing session, use moisturizing cream or antibiotic ointment as prescribed by your doctor. This process is performed 2-3 times a day until recovery (4-7 days). Thereafter, normal skin care, moisturizing and sun protection (when exposed to the sun) needs to be continued for 2-5 months.

Showering is prohibited on the day of treatment, and tub baths and spas are prohibited for 3 days. 3-4 days after treatment, avoid lifting heavy objects or strenuous exercise.

It is recommended to wear underwear that is made of natural materials and is not too snug. Avoid tight pants as well, and let the treated area breathe as much as possible, which can promote hair re-growth and recovery.

Sexual intercourse is not allowed until 7 days after treatment.

6. Contraindications

- (1) scar body.
- (2) Severe diabetes, hypertensive patients.
- (3) Treatment zone has suspicious villain.
- (4) Vitiligo and psoria, systemic lupus erythematosus.
- (5) Pregnancy or lactation.
- (6) Light allergy.
- (7) Chemical peeling and removal, grinding and other transconductors.
- (8) Use dimromic acidists.
- (9) Cardiopulmonary function is poor, and it is important organic lesions.
- (10) Vaginal Treatment: active infections of the genitourinary tract: Candida, Chlamydia, Herpes, Gonorrhea, and other common bacteria; history of CIN, VIN malignancy; unexplained abnormal bleeding; diabetes mellitus, suboptimal glycemic control; recent vaginal trauma; pregnancy, menstruation; severe medical and surgical disorders.

7. Product Maintenance

- (1) Warranty: one year from the date of purchase for the main unit and six months for the handle. We are responsible for the maintenance in our factory in GZ. After the warranty period has expired, we will charge a service fee or component fee.
- (2) Medical equipment or household appliances near the equipment may have operational failures due to interference.
- (3) Prohibited to use in the following environments: hot and humid environment; dusty environment; environment with much smoke or steam.
- (4) If there comes a failure, shut down the power immediately, and send it to the distributors or contact manufacturer for maintenance, Do not repair by yourself without guidance.
- (5) The cooling liquid is pure water, and it is necessary to clean up when the machine is transported or not used for a long time.
- (6) After treatment, turn off the power, ensure that the power line is unplugged.
- (7) Exclusion of liability:
- failure caused by unauthorized disassembly and modification;
 - failure caused by accidental falling;
 - failure caused by lack of reasonable maintenance;
 - failure caused by incorrect usage.

8. Parameters

Working mode	single pulse, continuous pulse, repeat pulse, super pulse
Output power	1-60W (adjustable)
Input power	450VA
Laser type	Sealed-off CO ₂ laser
Laser wavelength	10.6μm
Divergence angle	4mrad
Focused spot diameter	≤0.4mm
Tool bit focus	F=100mm (optional)
Pulse width	0.1ms-10ms
Aiming beam	Red diode laser (650nm, 2mW)
Transmission system	Spring-balanced 7 joint arms
Cooling system	Inside-circle coolant
Display screen	12.1inch touch screen
Working environment temperature	5-40°C
Air pressure / Humidity	86Kpa-106 Kpa / < 80%
Preheating-time	> 5min
Electromagnet	No electromagnet interrupt
other working environment	No obvious shaking or airflow
N. W./G. W.	39kgs/56kgs
Size	116cm×58cm×47cm; 75cm×31cm×14cm (Laser Arm)