

---

**Shenzhen Legend Beauty Beauty Equipment Co., Ltd.**

## **Tattoo Removal Laser System**

### **User's Manual E-30**



Power:400W

Voltage:220-240V/50hZ,110-130/60Hz

Packing size:64\*49\*49cm

## **CONTENT**

1. Important Notice
2. Technical Specifications
3. Product Features
4. Working Principle
5. Operations Guidance
6. Operation skills for laser tattoo removal system
7. Requirement before treatment
8. Before & After treatment by laser
9. Maintenance
10. Common Questions and Fixing
11. Special Illustration



**CAUTION**

---

## Shenzhen Legend Beauty Beauty Equipment Co., Ltd.

1. When you received the new machine, please open it work one minute (enjoin from the machine working).
2. shut down the machine.
3. Affusion water again
4. Anew Open the machine
5. When the water stream very well, then you can let the machine working.

### (1) Important Notice

1. Firstly check the circuitry connecting correctly or not before using the machine.
2. Before starting work, fill up the water-tank with distilled water from the Affusion Orifice.
3. Water must be distilled water or ion-wipe-off, not the mineral water or tap water.
4. Before using the machine, infuse the distilled water overflow the overflow Orifice.  
Prohibit to work without water. Otherwise, if shatter the laser head, the user bear it.
5. Avoid irradiation to eyes directly.
6. Forbid disassembling without manufacture permission.
7. Put the head light on fixture avoid broken after operation.
8. Change cooling water every month. (Long or short the time according to the water purity).
9. Start-up the machine after one minute later for the water circulation completely.
10. Ensure the machine well grounded.

### (2) Technical Specifications

laser type	Q-Switched ND YAG laser
------------	-------------------------

---

## Shenzhen Legend Beauty Beauty Equipment Co., Ltd.

wavelength	1064nm & 532nm
cooling system	wind + closed water circulation cooling
Display	6.0" screen
Output power	400W
pulse energy	1-1500 (1*30)
frequency	1-5HZ
electrical requirements	100-110V/50-60Hz;230-260V/50-60Hz
dimension	(L*W*H)50*38*29(cm)
machine net weight	16KG
packing size	64*49*49cm
Gross weight	32KG

### Application Range

6. Remove the black & blue pigment on eyebrow, eye line and lip line. Scour off tattoo, freckle, lentigines, old aged marks, vascular expansion and type of blood vessel lesions etc.
7. No harm to the follicles and normal skin, leaving no scar, only to lustrate pigment.
8. To remove melanin not being eliminated by medicament and other means.
9. Be in no need of anesthesia and quick recovery. No negative influence.

### (3) Product Features

3. Improve the efficiency and make the best solutions for no burning on the hand-piece at all.
4. Long lifetime for Xenon Lamp which is with the imported US technology.
5. More stability with the hand-piece structure inside improved.
6. Add the infrared Guide light to aim the target tissue correctly.
5. Portable design and easy operation can do the touring treatment; lower cost and wider usage can make quick return of investment.

### (4) Working Principle

Laser emitted by the system has a strong penetration ability which allows it to reach the deep layer of dermis. The pigment particles absorb the light energy and explode sharply, burst into the tiny pieces, thus diminish the color density and get rid of it.

So the appliance can effectively do away with mutant pigmentations and vascular tissue based on undamaged ambient tissue. This is called 'Selective heat absorption' principle

---

## Shenzhen Legend Beauty Beauty Equipment Co., Ltd.

in medical field.

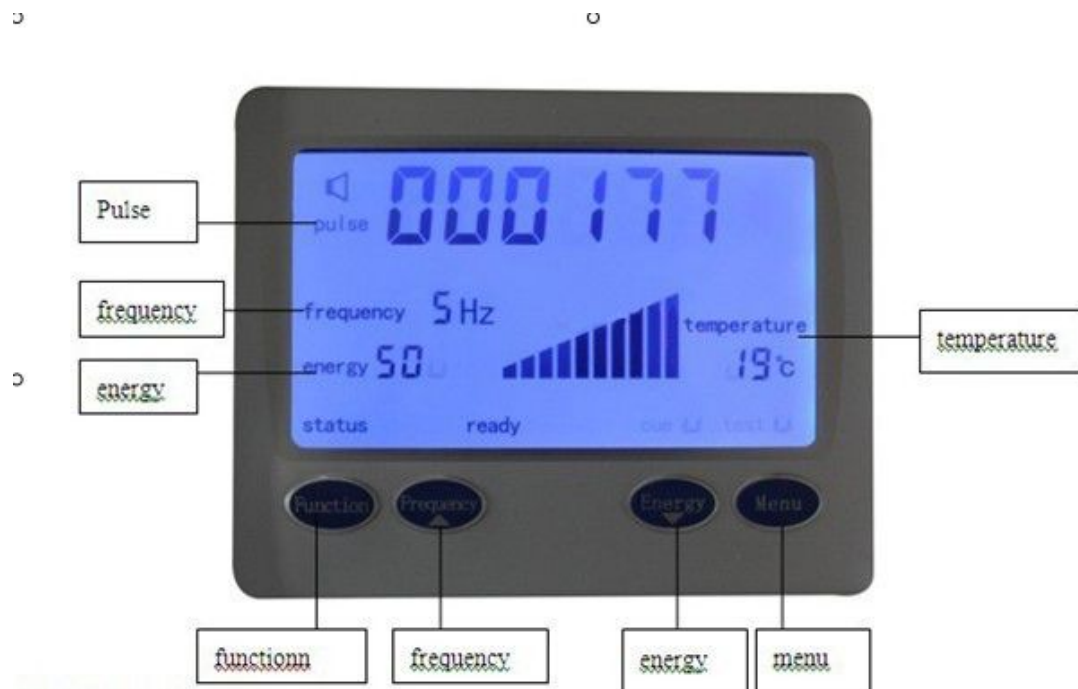
Items	times	interval	notice
eyebrow	1~2	30-60day	Remove eyebrow hair and protect eyeballs
eyelid	1~3	45-60day	Remove eyebrow hair and protect eyeballs
lips outline	1~3	15-45day	use 532nm mirror
Body tattoo	1~4	30-60day	Exude blood is effective
flecks ,aged spot	1~5	15-30day	Exude blood is effective
birth mark	3~7	45-90day	Exude blood is effective

### (5) Operations Guidance:

---

## Shenzhen Legend Beauty Beauty Equipment Co., Ltd.

### 3. Treatment interface:



## ND YAG LASER functions

- 1.1064nm Wavelength: Remove black and dark blue tattoo pigments, such as tattoos, eyebrows, dark color around the eyes, freckle, age spot etc.
2. 532nm Wavelength: Remove red and brown tattoos and red mark.

## (6) Operation skills for laser tattoo removal system

## (7) Requirement before treatment

1. Beautician should make record for customers, fully understanding customers' skin condition and chose the right laser mirror, at the same time communicate with your customer freely to let she or he feel relax.
2. Clear treating part skin and wait until it is totally dry and sterilize every apparatus.

### 3. Energy reference

---

## Shenzhen Legend Beauty Beauty Equipment Co., Ltd.

application	best frequency	distance
eyebrow	4Hz	1-2cm
cover layer	4Hz	2-4cm
eyelid	4Hz	2-3cm
lip outline	4Hz	2-4cm
body tattoo	4Hz 3Hz	3-4cm
naevi	4Hz 3Hz	3-4cm
birth mark	4Hz 3Hz	3-4cm

### Notice:

A.1064nm (round mirror) for blue and black colors

B. 532nm (square mirror) for red and brown color

### (8) Before & after treatment by laser

1. Preparation before treatment by:

1. No inflammation in the treatment part.
2. No treatment for pregnant woman.
3. Fomentation on the treatment part avoid skin dehydration.
4. No cosmetic left, clean the treatment part.
5. Taking photo before treatment, compare the effect after operation.

2. Skin appearance after treatment:

- 1) Reddish swelling on treatment part on the moment, it will disappear shortly.
- 2) To some special customers need to be higher, when you make the Volt too high, there comes the scab, but it will drop off naturally after 7 days, not to scratch it, skin becomes normally about 2 days. Taking some Vitamins can lighten the pigment circumfluence. Usually there is a feeling of scorching or slight bleeding; it is normal and no scar.
- 3) When the scabs fade away, the treatment part shows pink, 2-3 weeks later it appears coffee color, and 1-2 months later recover.

---

## **Shenzhen Legend Beauty Beauty Equipment Co., Ltd.**

### **3. Care after treatment:**

- (1) You may clean the skin with non-stimulator water after treatment.
- (2) If there is slight bleeding when adjust the Volt higher, please wipe off and smear the Antiphlogistin (such as Illotycin) until the scar drops off. Not cosmetic or other medicines.
- (3) If the treatment parts is flush and feeling it not comfortable, can do ice compress.
- (4) Before the scab dropping off, the treatment part must be care not to touch water, not being scratching, avoiding certain food of hot, dark color of coffee, Coco Cola etc. Prohibit smoking and drinking .Let the scabs desquamate naturally not scale off in a force.
- (5) Not taking plenty of sports avoiding of sweat infection.
- (6) After the scab desquamating, No need to coat the Illotycin (Erythromycin) again, just smear the suntan lotion (SPF15 upwards) even in the room preventing UVA/UVB and keep along 3 to 6 months because of the treatment skin sensitivity to the sunlight. Using suntan lotion or umbrella preventing can improve the effect early.
- (7) Period for laser treatment: According to the different treatment parts and pigment dark or not, the treatment may be several times. Normally one period of treatment is 1-2 times, every time at 20-30 days interval. If there is no special, every 2-4 weeks go to clinic check again, if there is anything abnormally, please cure it early.
- (8) Pigment fadeaway is a slow process, for the pigmentation skin, normally it is 1-3 months. In order to get more favorable effect, repeated treatment should be 1-3 months interval.

## **(9) Maintenance**

1. Notice to use purified water or de-ionized water, not the mineral water or tap water.
2. Be careful not to irradiate the machine avoiding the surface of machine injured.

## **(10) Common Questions and Fixing**



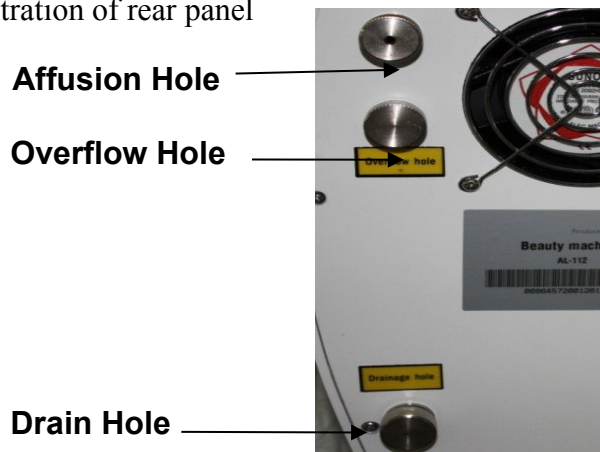
---

## Shenzhen Legend Beauty Beauty Equipment Co., Ltd.

1. No signal after power on. The reason is that the power plug doesn't reach it, please directly connect the power plug.
2. No signal after power on because of the fuse blowing. Please replace the fuse with 5A/110V AC.
3. No signal on the screen because that the Crash-stop switch being pressed. Please lift the Emergency-stop switch up.
4. Touch-off light is off state pressing the button on the screen when the machine is on pre-ignition. One reason is that the Xenon Lamp is damaged need to replace a new one. Another reason is that the life time for Xenon is full, change a new one.
5. Water leaking out of machine, because of the impact during on shipment process. May in the tube joint. Please call the service people to deal with it.
6. If you feel the energy is not big enough or the curing treatment is not well enough, the reason maybe the temperature is too higher or no water in the machine and damaged the body machine. Please stop firstly, after half an hour starting the machine again.

### (11) Special Illustration

1. Illustration of rear panel



2. Press the plastic circle at the affusion hole when inserting or pulling out the affusion funnel.
3. Attention: there is a little rubber stuff in the drain hole. Don't lose it, or it may leak

---

## **Shenzhen Legend Beauty Beauty Equipment Co., Ltd.**

water!