

PICOSURE LASER MACHINE

USER MANUAL





Technical Parameter

Technical parameter	
Description	picosure laser
Voltage	110V- 240V, 50Hz/60Hz
Output power	2700W
Laser Wavelength	1064nm + 532nm + 755nm
Energy	100-2500mJ (Adjustable)
Spot size	2-10mm diameter (Adjustable)
Screen size	10.2inch touch screen
Frequency	1 - 10Hz (Adjustable)
Pulse width	2000ps
Indicator of aiming light	Red semiconductor aiming light
Cooling system	Fan+water+condenser
Number of shots	50.000.000shots
Water source	Pure water/ distilled water
Control	Foot switch
Net weight	Around 80kg
Package	Aluminum box + full foam
Packing size	124x54x132cm
Working environment	10-30°C

Picosecond Laser 6 Effect



Pores

Thick and can not afford the aging pores, through the treatment course, 1 can be seen after the narrowing effect



Spot

Picosecond laser can be easily removed, do not have to worry about anti-black, while difficult to deal with spots on the face can be resolved



Fine lines

Skin care more eye cream can not eliminate the eye fine lines, through the honeycomb picosecond laser treatment, a short time to feel the difference



Pocked scar

Dot matrix laser hit several times still can not be completely improved stubborn scar, so that the face of the pit hole picosecond laser just a few times can be restored



Face dumb

Because the picosecond laser on the excellent effect of melanin, while clinical found that the experience of the end of the skin becomes slippery and tender



Tattoo

Traditional laser treatment of poor tattoos (red orange yellow green blue and blue) can be eliminated through the picosecond laser clean, without leaving traces

What Is Picosecond?



Picosecond laser is a solution to eliminate melanin freckle, skin whitening the new technology, it can be a powerful and fast energy shattered melanin, to improve the color of the skin, to achieve the purpose of the whitening skin!

The PicoSecond Laser uses ultra-short pulses (one trillionth of a second in length) to hit the melanin with a great pressure, the melanin shatters into tiny dust-like particles. Because the particles are so small, they are more readily absorbed and eliminated by the body. This can mean better clearance of the melanin and less treatments overall. PicoSecond Laser is a quick and easy non-surgical, non-invasive laser skin treatment for the body including chest or decollete, face, hands, legs, and more.

Picosecond laser operation

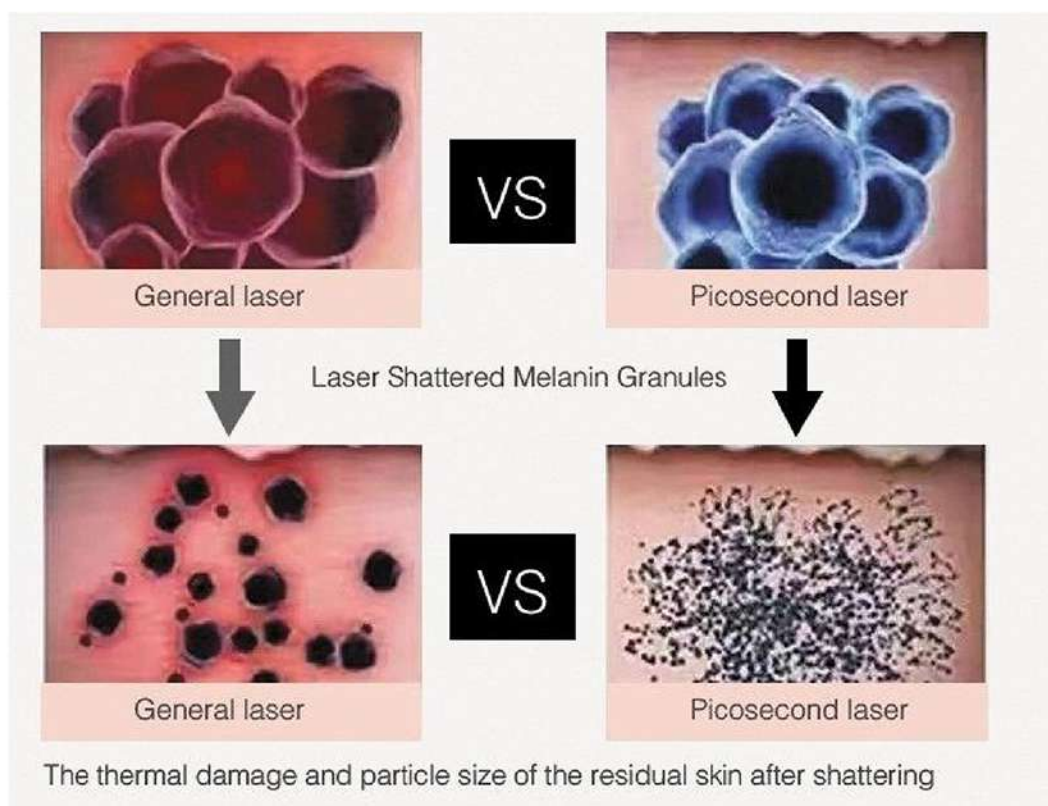
[Picosecond technology speed times 9 times faster than the average nano laser, 90 times faster than Alexandria laser]

Use special optical lens focus 20 times the energy generation [picosecond speed light shock wave]

Stimulate collagen hyperplasia, to improve the skin pores and other uneven puzzle

Picosecond mechanical light laser use of very short pulse output, the use of optical mechanical shock wave to replace the heat effect, the target crushed into the smallest particles, and the side effects of photothermal effect to a minimum, you can almost solve the purpose of all kinds of pigment spots

Picosecond laser is different from the traditional laser pulse width (pulse duration), the shorter the pulse width, the weak effect of light conversion into heat, almost no light and heat effect, the more difficult to spread around the organization, the target tissue, the strong the role. Can make the pigment lesions in the shorter number of operations, resulting in a strong effect of speed, energy stronger, better, more secure role

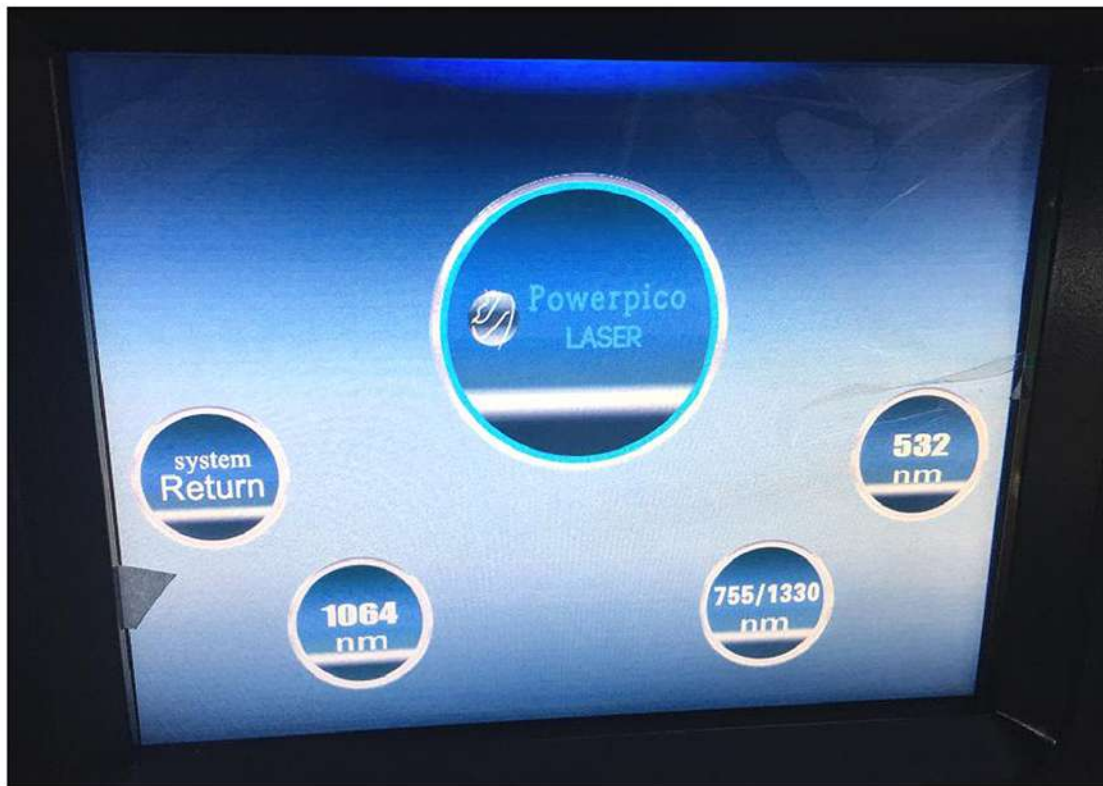


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Treatment Area

1. All color tattoo, eyeliner and lip liner removal Epidermis and dermis pigment
2. Nevus of Ota, blue naevus, black nevus, coffee spot
3. Senile plaques, freckle, sunburn spot and chloasma
4. Skin whitening and wrinkle removal etc



1064nm treatment: remove black/blue color tattoo, remove freckle, Senile plaques, freckle, sunburn spot and chloasma, blue naevus, black nevus, coffee spot

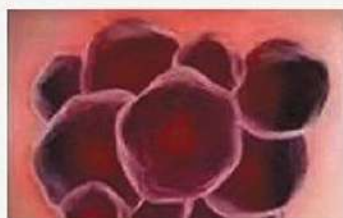
532nm: remove red/green/Brown color tattoo, remove Shallow freckle

755nm: Whitening, remove yellow color

Usually 2-4 treatment , one month second treatment, two month third treatment for tattoo removal

The difference between picosecond laser and traditional laser

Melanin absorbs laser energy




General laser

VS



Picosecond laser



Picosecond Laser		Q switch Laser
		
<p>Picosecond pulse width is short (1 ps = one trillionth of a second)</p>	<p>Action Principle</p>	<p>Q switch Pulse width is long up to 8ns (1 ns = one millionth of a second)</p>
<p>Obstinate discoloration blain to imprint blain scar dot lines body wrinkles</p>	<p>Indications</p>	<p>Monitor tattoo pigment</p>
<p>Recovery time is short, 3 - 5 hours</p>	<p>Recovery</p>	<p>2 - 3 days there will be a little red</p>
<p>There is almost not</p>	<p>Reaction after Operation</p>	<p>Common to reddish black color</p>
<p>10 - 20 Minutes</p>	<p>Operating Time</p>	<p>About 30 minutes</p>
<p>Generally two to four times</p>	<p>Effect</p>	<p>Take five to ten times or so</p>

Technique parameters:

Until the launch of PicoSure, Q-Switched lasers had been considered the gold standard for removing tattoos. Q-switched laser treatments use thermal energy to heat up and break apart the ink particles. Now with PicoSure, ultra-short pulses (one trillionth of a second in length!) hit the ink particle with a pressure so great, the ink shatters into tiny dust-like particles. Because the particles are so small, they are more readily absorbed and eliminated by the body. This can mean better clearance of the tattoo and less treatments overall!

Every tattoo is unique and contains different colors and different volumes of ink. It's important to speak with a PicoSure doctor to find out how many treatments you may need, and what to expect.

Untreated tissue	Q switch laser	Picosure	
Rock	Gravel	Sand	
use before	After using		use before
Pigment removal 1-3 times to get rid of pigment			HOT The best tattoo removal equipment

Chloasma		Age spots	
Before	After	Before	After

nevus of Ota		blue nevus	
Before	After	Before	After



Set up screen:



Note: must add water before starting machine



return back to last screen after finishing operation or return back to choose another wavelength.



shot counter :record how many shots has been used.



red beam brightness control.



machine current working temperature,suggest not more than 35°C.



start / stop button to start operation /stop operation.



energy setting: 50-2500mj, suggest start from 500mj.



frequency setting: 1-10hz, suggest start from 3hz.



current wavelength which using.

Indications:

1, indications

this instrument is mainly used to remove some exogenous and endogenous blue, black and brown pigment lesions in the clinic, such as: tattoo, tattoo Eyebrows, freckles, etc.

2, treatment interval

The two treatments should be separated by about two months to allow the crushed pigment particles to have sufficient absorption time.

3, the number of treatments

In general cases, multiple treatments are required to achieve better results. The number of treatments for specific patients is concentrated by the pigmentation of the affected area. Degree, depth, composition of pigment, laser dose for each treatment, absorption of pigment particles by macrophages in patients Other factors determine. Generally, exogenous pigments must be treated more than 3 times, and endogenous pigments must be treated more than 5 times to obtain satisfactory results. The effect of a few patients after multiple treatments is still not satisfactory.



preoperative precautions:

1. Patients with vascular anemia in the treatment area should avoid drinking alcohol and use aspirin to prevent bleeding three days before treatment and two weeks after treatment.
- 2, women should not be treated during menstruation, patients with coagulation defects, epilepsy hypertension, heart disease and scar constitution should be cautious.
- 3, the patient should clean the local skin during treatment, remove some local cosmetics and other drugs
- 4, patients with repeated lines, embroidered, cut eyebrows and local surgery in the past four weeks and within should be treated with caution.
- 5, according to the nature of the lesion and the depth and location of the pigment, individual differences and previous treatment needs to be treated The number varies and gradually achieves a satisfactory therapeutic effect. Each treatment interval takes 1- to 3 months.

Postoperative considerations:

1. There may be mild pain during treatment and after treatment. The surface of the skin is whitish, the epidermis is oozing, and the redness is short-lived. Now the purple sable can absorb it without having to be too nervous.
- 2, if there are scars 7--14 days will fall off on their own, should not be removed, so as not to delay the healing of the skin and the formation of pigmentation.
- 3, due to individual differences or climate changes within a few days after treatment, in order to prevent infection treatment areas should not be directly exposed to water or other solutions. Try to eat less spicy food and excessive drinking and smoking.
- 4, very few individuals may have normal pigmentation after treatment, usually gradually disappear after 1 - 3 months.
- 5, after surgery should try to avoid activities and exposure to sunlight, so as not to produce and aggravate pigmentation. 6, if any abnormalities are found after surgery, please go to hospital for consultation and treatment.



After-sale Service And Maintenance:

The term of maintaining guarantee is main device 1 year and spare part 3 months from the date of purchasing according to the receipt. (Expendable is not included in it.) Others not included in maintaining guarantee or over the time, we also supply to maintain and renew but need charges. Please contact with the dealer if need change of purchasing the parts and easily expendable products.

1. We will guarantee the quality of our equipment, normally there is no quality problem. If there is a deficiency, please email or call us on the reasons, it would be best to dealt with by email or telephone. Because some of the problems are caused by using the machine in a wrong way.
 2. We suggest the client to take photos of the area where the problem occurs, we will pass them to our technician, our technician will give a satisfactory answer within 1-7 working days.
 3. If the problem comes from the spare part within the warranty, we could consider in changing the spare part to our client, which could be sent with his/her next order. If the next order is uncertain, we could pay freight cost to send the spare parts.
 4. If the problem comes from the main device within the warranty, we could advice our client to post the device back to our company for repair by ordinary post, or we could re-send a new one to our client. If the cost of posting the problematic device back to BEST is more than the value of a new device, BEST would take it into consideration, according to the actual status; apply to re-send a completely new device back to our client.
- B. We won't supply maintaining guarantee if troubles as below:
- a) Disassembling the machine by self;
 - b) Fall it without caution;
 - c) Lack of reasonable keeping and protect;
 - d) Not operate according to the user manual.
 - e) Expendable reasons. If changes of the design and specification of the machine, we will not notice you in addition. If any queries, please feel free to contact with the local marketing company.

All in one, we will try our best to serve you and also need your fully cooperation.
Thanks.

