

# Laser Tattoo Removal System

Model No.: J-200

## Operating instructions

### 1、 Product Introduction

J-100Laser using the gem Q mode, the use of high energy laser beam to effectively break the lesion tissue in the pigment. That is, the principle of light blasting: is the use of laser instantaneous emitted high energy, so that the pigment particles to absorb energy after the expansion of the rupture, a split into a more microscopic particles from the body, a part of the human body through the lymphatic system excreted, so as to remove the pigment. As the normal tissue of the 1064nm laser did not absorb, so as to maintain the integrity of the cell framework, and no conditions to form a scar. This is the present any other method can not compare. It is because the laser dispel the pigment does not destroy the normal tissue. So its security is the greatest degree of assurance that the customer will not be plagued by hand complications.

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## 2、 Technological Advantages

- Well designed chassis appearance and handle in line with artificial mechanics showing senses of fashion and technology
- Latest plug and play butt joint, separate water and electric design, more secure and easy to install.
- Perfect combine of large capacity stainless steel tank and industrial radiator, it provide water cycle cooling system which satisfies customers' continuous treatment demand.
- Nine operating languages suit to different colleagues in different countries.

## 3、 Technical Principles

YAG technology -- on the basis of the theory that immediate and high-energy laser emission can efficiently crushes the pigment of diseased tissues, YAG makes irradiated pigment particles absorb power and swell to crack. Part of them splitting into more tiny nibs are excreted, and part of them are swallowed by body macrophage and excreted through lymphatic system, by which pigments are eliminated. Because normal tissue does not absorb the laser with fixed wavelength, thus the integrity of the cell framework is maintained without conditions that invoke scars form.

## 4、 Range of application

- Specifically eliminating red, brown, suntan and other colored tattoos.
- Effectively wiping out all kinds of eyebrow, embroider eyebrow, tattoos, eyeliner and lip liner.
- Treating pigmented skin lesions and mixed hyperpigmentation such as age spots, birthmarks, ota nevus, moles and so on.

## 5、 Technical Parameters

Type of laser: Solid-state Q-switch Nd:YAG laser

Wavelength: 1064nm, 532nm

Pulse duration: 10ns

Frequency: 1-10Hz

Power supply: AC220V 50Hz

Power: 300W


## 6、 Attachment Lists

Terms	Unit	Amount	Remarks
Main Engine	PCS	1	
Laser Hand Tools	PCS	1	2 laser probes
Power Line	PCS	1	
Keys	PCS	2	
Blinder	PAIR	1	Used by customers
Protective Glasses	PAIR	1	Used by conductors
Water-injected Funnel	PCS	1	
Protective Tube	PCS	2	Standby
Rack	PCS	1	
Foot switch	PCS	1	
instructions	PCS	1	

Please check the items immediately with the attachment list after unpack, and contact our company in 24 hours if there is any missing or damaged term

## 7、 Installation and debugging

Step One: Hand-tool installation	1 Pick out rack screws and install laser racks 2 Contact handpiece in handpiece interface tightly and appropriately and put handpiece on its holder.	<b>Key Step</b>
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	<p>Ensure the below and above blue buttons pop-up and the snap joint is tight and appropriate when connecting a handpiece, otherwise it will be easy to cause inefficient flow that will burn out hand tool.</p> 	
<p>Step Two : Apparatus Injection</p>	<ol style="list-style-type: none"> <li>1、 Screw off the sealing cap of injection hole and overflow hole.</li> <li>2 、 Screw water-injected Funnel in injection hole and inject water(pure water or medical distilled water)in machine, until water flows from the overflow hole.</li> <li>3、 Screwed on the sealing cap after injection is completed, and screw tightly the sealing cap of overflow hole while injection hole is not used.</li> </ol>	<p><b>Key Step</b></p>
<p>Step Three : Apparatus Debugging</p>	<ol style="list-style-type: none"> <li>1、 and ensure the waterway and circuit is connected accurately, then plug in the power line, turn on power switch behind the backboard and start up on the condition that joints do not leak.</li> <li>2、 Clockwise screw the sudden button and clockwise to unscrew the key switch and start the apparatus.</li> </ol>	<p><b>Key Step</b></p>

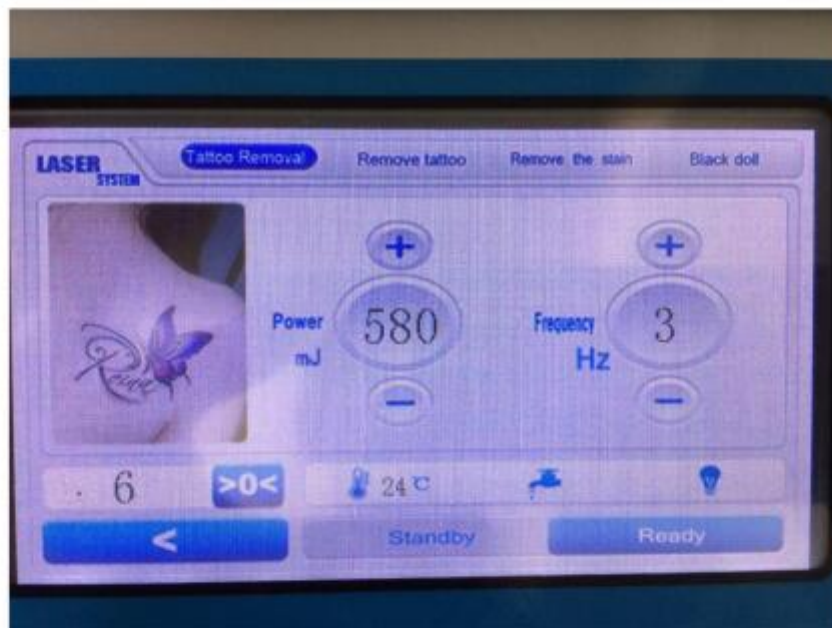
## 8、 Operating Instructions

### 8.1、 Instrument start, enter the boot interface



Click on the interface, enter the functional interface

Introduction to operation interface of laser:



## 9、 General knowledge of operation

- Cardiac patients and hypertensive patients
- Pregnancy and epileptic patients
- Hypertensive patients and diabetics
- Light sensitiveness customer
- Customers who work long time in bright light and whose skin was sunburnt recently
- Customers who have changed skin recently
- Customers who are taking medicine like antioxidant and hormone

## **10.2. Electrical safety**

When operating the equipment, it would generate high voltage. Even if the power is off, the high voltage devices are still full of danger. It is risky to open up the case arbitrarily.

## **10.3. Operation safety**

- ① Must fill the case with purified or distilled water, otherwise the special parts would be burnt down.
- ② Must check both the electricity and water circuits and keep eye on the security of the circuits during the hole process.
- ③ Must not look directly at the strong light emitted by the front-end export of the skinhead hands.
- ④ Avoid placing any reflective materials in therapeutic room, such as watch, mirror, jewel and so on.
- ⑤ Keep the optical system clean and assure that the cooling gel would not pollute the system.

## **11. After-sale maintenance and services**

**11.1、** The main engine of the equipment is guaranteed for 12 months(the invoice is needed).

Maintenance-free for equipment failure(non-artificial) within guarantee period. The company could provide maintenance service for products that are beyond guarantee period, but with charge for the installation kits and consumables(the freight is also assumed by the clients). If there are necessities for supplement materials or purchasing information, please contact with us.

**11.2、** The following equipment failures caused by the clients are excluded from maintenance-free range:

- ① Any consequences resulting from unauthorized tampering and refitting with the products.
- ② Any consequences resulting from using skinhead hands offered by other companies.
- ③ Any consequences resulting from misusing, beating and dropping.
- ④ Any consequences resulting from insufficient good maintenance.
- ⑤ Any consequences resulting from disobeying the operation instruction.