

Black porcelain laser beauty device

Model: J12



Product Introduction

Black porcelain dazzling light beauty instrument is a high-end laser instrument, which adopts the most advanced laser technology in the international market.

Product Advantages

1. With high homogeneous light spot, uniform energy distribution, good consistency of treatment effect and more safety.
2. More effective against all exogenous and endogenous pigments
3. Short pulse width, with a special laser bar for industry, higher peak power to break down pigment more thoroughly.
4. Reduced pain and less skin damage.
5. Intelligent water temperature control system: to avoid high water temperature and damage to the handle.
6. Unique shape design and color matching, making the product more beautiful and fashionable.

Function Principle

Using the high energy emitted by the laser instantaneously, the irradiated pigment particles absorb the energy and rupture instantly, part of which turns into even smaller fragments and is excreted out of the body, and part of which is engulfed by human macrophages and excreted through the lymphatic system, thus getting rid of the pigment. Since normal tissues absorb less laser light of specific wavelengths output by the instrument, no normal tissues will be harmed, thus preserving the integrity of the cellular framework and never forming scarring conditions, which is a treatment safety unmatched anywhere else at present, so to the maximum extent to ensure that customers will not be troubled by post-treatment complications.

Scope of application

Clears stubborn blemishes
Scar Removal, Acne Mark Removal
Tattoo Removal, Skin Rejuvenation
Improves skin texture, brightens and rejuvenates skin

Technical parameters

Laser type: ND:YAG solid-state laser

Laser wavelength: 1064nm, 532nm,
1320nm

Operating frequency: 1--10Hz Adjustable

Pulse width: 6ns

Screen size: 7-inch true color touch screen

Case material: ABS plastic + metal

Input power: 500W Operating

language: English

Power supply voltage: AC220V; AC110V (can
be customized)

Instrument Composition



Instrument Introduction.

① Handle ② Power-on button ③ Touch screen ④ Hanger ⑤ Plugging interface ⑥ Power interface

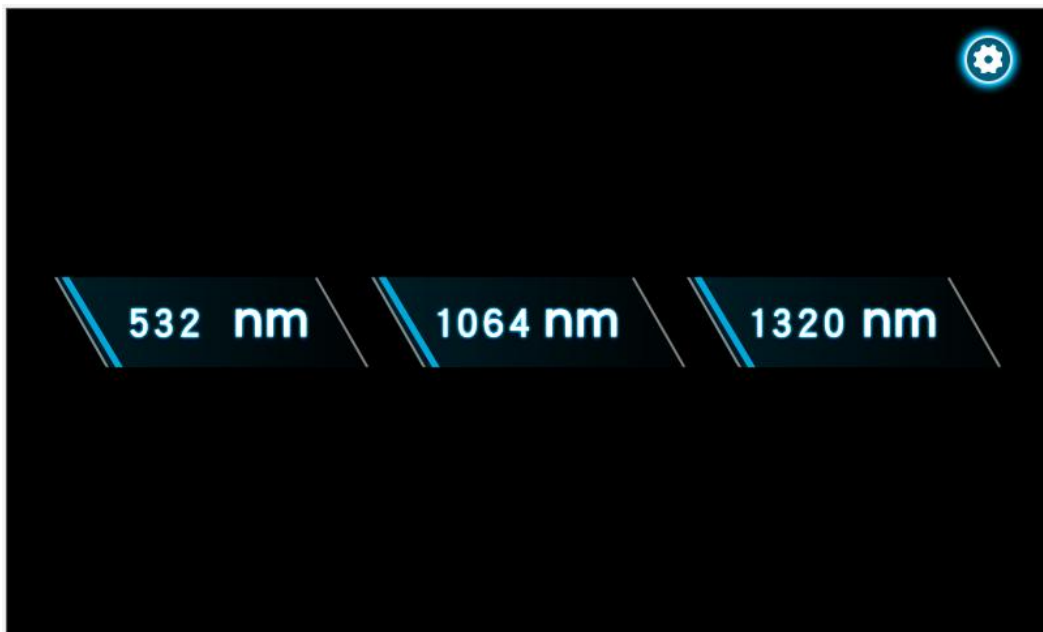
⑦ water filling port ⑧ water overflow port ⑨ water release port ⑩ foot switch interface

1. Requirements for the operator

The operator of the instrument should understand the expertise of the laser and be used by trained and qualified professionals.

2. Display control panel and key functions

Power on to the wavelength selection interface, as shown in the figure: 532nm \ 1064nm \ 1320nm (click to enter)



Operation interface, as shown in the figure.



Interface Description.

- ①Return ②Energy regulation ③Operating hair number ④Red aim regulation
⑤Background setting ⑥Temperature display ⑦Frequency adjustment ⑧Standby
⑨Ready

3. Introduction of each wavelength laser probe

1064 laser head: 1-10 spots adjustable, effective in removing dark tattoos, eyebrow tattoos, lip tattoos, eyeliner and traumatic pigmentation and freckles, etc.

532 laser head: 1-10 spots adjustable, suitable for treating red or tan tattoo, eyebrow tattoo, lip liner, eyeliner. And can effectively lighten red or tan birthmarks and all kinds of light spots, etc. Adjustable focus.

1320 laser head: black face doll head (skin rejuvenation and whitening, pore reduction)



Clinical Applications

Pre-operative

1. Cleanse the skin with a cleanser and remove the patient's jewelry. For example: necklaces, earrings, and other reflective objects.
2. The cleanser is performed in a supine position with both physician and patient wearing protective eyewear, disinfecting the patient's facial skin, adjusting the energy to clean the skin according to its skin type, skin sensitivity, lesion area and color shade, and removing the patient's jewelry. Such as: necklaces, earrings, and other reflective objects
3. During the treatment, the physician holds the output of the laser machine, irradiates the skin surface vertically, first with the skin in front of the ear line test sweep 2-3 times, observe the local response for 3-5 min, gradually increase the energy density from low to high, to the extent that the skin is mildly red. Operation procedure of honeycomb picosecond laser treatment
4. Then sweep the entire area longitudinally and horizontally back and forth at an even rate, with enhanced sweeping in the lesioned areas, 2-3 times in total.
5. Generally, the darker the skin tone, the lower the energy density, and the lighter the skin tone, the higher the energy density.

Postoperative

1. after picosecond laser surgery, because the skin repair process is being initiated, and at the same time to prevent the affected area from recurrence, melanin deposition, etc., need to prevent sun exposure. When you go out, you need to prepare shading gear, apply (sunscreen index - $SPF \geq 30$, $PA \geq ++$) sunscreen, avoid any form of exogenous substances to stimulate the trauma (such as alcohol and cosmetics containing alcohol) do not squeeze, pressure, touch, rub the treatment surface. Avoid eating and taking photosensitive foods (such as celery, leeks, parsley, etc.) and photosensitive drugs. Patients with sensitive skin should abstain from foods that can cause skin allergies.
2. After laser surgery, some patients may experience dry and dehydrated skin due to the enhanced absorption capacity and accelerated metabolism of the skin, so skin care must be performed to replenish sufficient moisture and nutrients after surgery. Some patients may experience localized redness and swelling after the procedure, which will generally disappear on its own within 24-72 hours without treatment. Very few patients may experience crusting and purpura, which will peel off and disappear within 2 weeks, please keep the wound surface dry and clean.

Treatment interval

The two treatments should be spaced about 1-2 months apart to allow sufficient time for the broken pigment particles to be absorbed.

Number of treatments

The number of treatments for a specific patient is determined by the concentration and

depth of the pigment, the composition of the pigment, the dose of laser used for each treatment, and the absorption of pigment particles by macrophages in the patient's body. Generally, exogenous pigmentation requires more than 3 treatments, and endogenous pigmentation requires more than 5 treatments to obtain more satisfactory results, and a few patients still have unsatisfactory results after several treatments.

Contraindications

1. For patients with darker skin color, when using this instrument for treatment, the epidermis will be slightly damaged due to the absorption of the laser by the shallow pigment of the skin patients, so it is recommended to carry out skin whitening before using this instrument for treatment.
2. After laser irradiation, the skin will be red and swollen, with subcutaneous bleeding and inflammatory reactions. After the operation, the treatment area will be frozen and an ointment will be used to prevent scars from appearing after the burns and.
3. for part of the pigment containing metal ions (such as iron ions), laser irradiation will not be easily absorbed black chemicals (such as ferrous oxide) to deepen the color of the treatment site, which is caused by the different composition of the pigment, rather than the quality of the instrument itself.
4. After treatment, the treatment area should be kept clean and dry to avoid infection.
5. After the treatment, the boils should be made to fall off by themselves to prevent the scars from appearing by artificial force.
6. treatment of the same part of the continuous repeated irradiation is prohibited, otherwise due to the accumulation of heat will cause damage to the tissue.