Strong power | excellence performance | quick and convenient

Light guide arm picosecond

product instruction



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Product introduction

Working principle

1、The picosecond laser has a picosecond-level (≤10ps) ultra-short pulse width. Unlike traditional selective photothermal effects, the main action of picosecond lasers is photomechanical rather than photothermal. When the picosecond laser acts on target cells, it can generate a "mechanical wave" on the target base. The high energy generated by this wave instantly vaporizes the cells, causing pigment particles in the cells to be completely shattered into a dust-like state. This process enhances the uptake and metabolism of cells presenting antigens, or it alters the physical properties of some pigment particles, making them non-pigmented. Due to its short pulse width, damage to surrounding tissues is reduced, and the risk of stimulating melanin regeneration is significantly decreased.

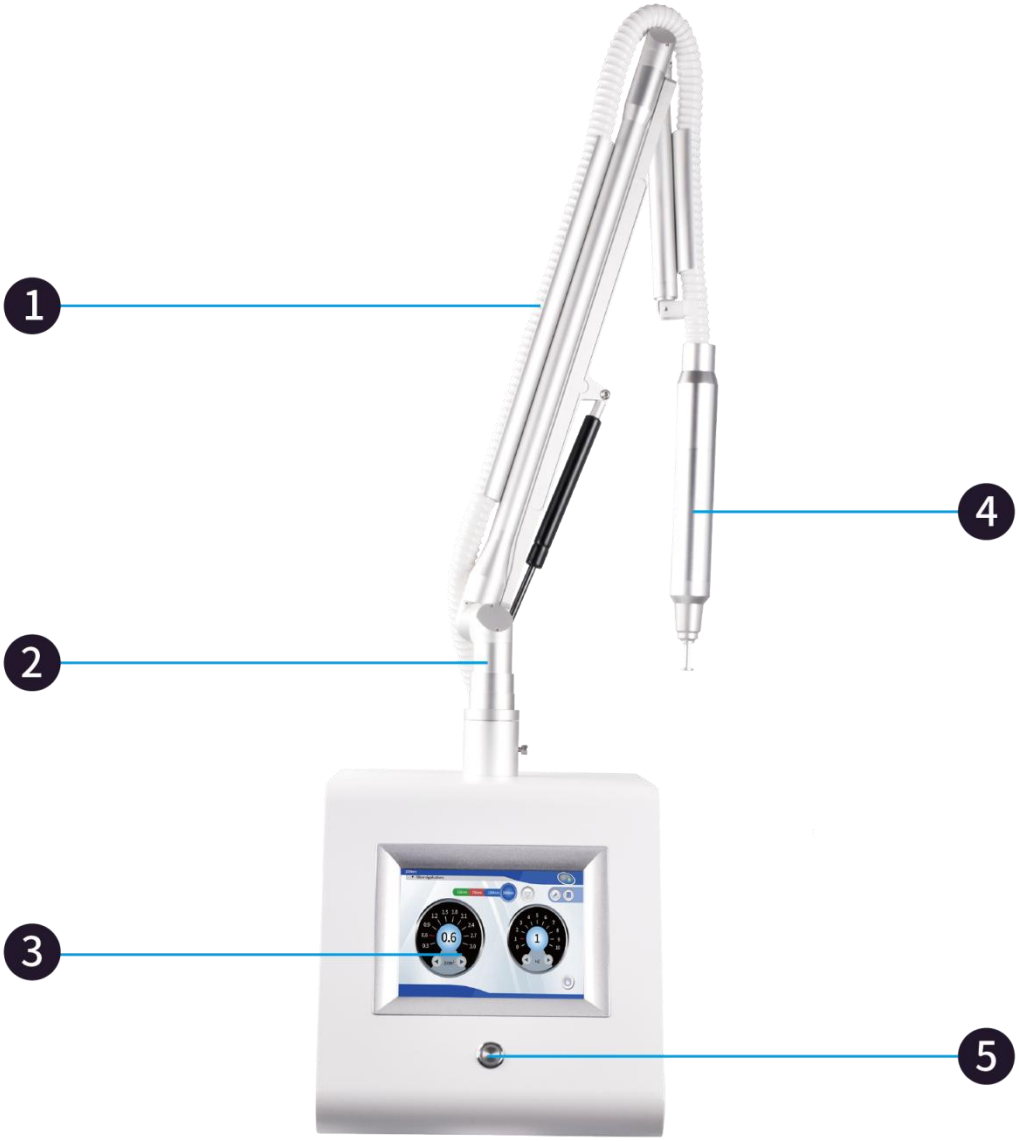
2、The Light guide arm picosecond is made of full aluminum alloy material, and the handle uses a hydraulic rod, making it more convenient and time-saving to operate, in line with ergonomics. Simultaneously, it incorporates copper cooling technology, allowing the instrument to work for an extended period without compromising the treatment effectiveness. Additionally, it can maintain the water temperature within 28℃.

Product specifications

Specifications	
Power	2000W
Light frequency	0-10Hz
Wavelength	532nm
	785nm
	1064nm
Energy	0.3-3.0J/㎠
Cooling system	Copper refrigeration

Product introduction

Structure introdution

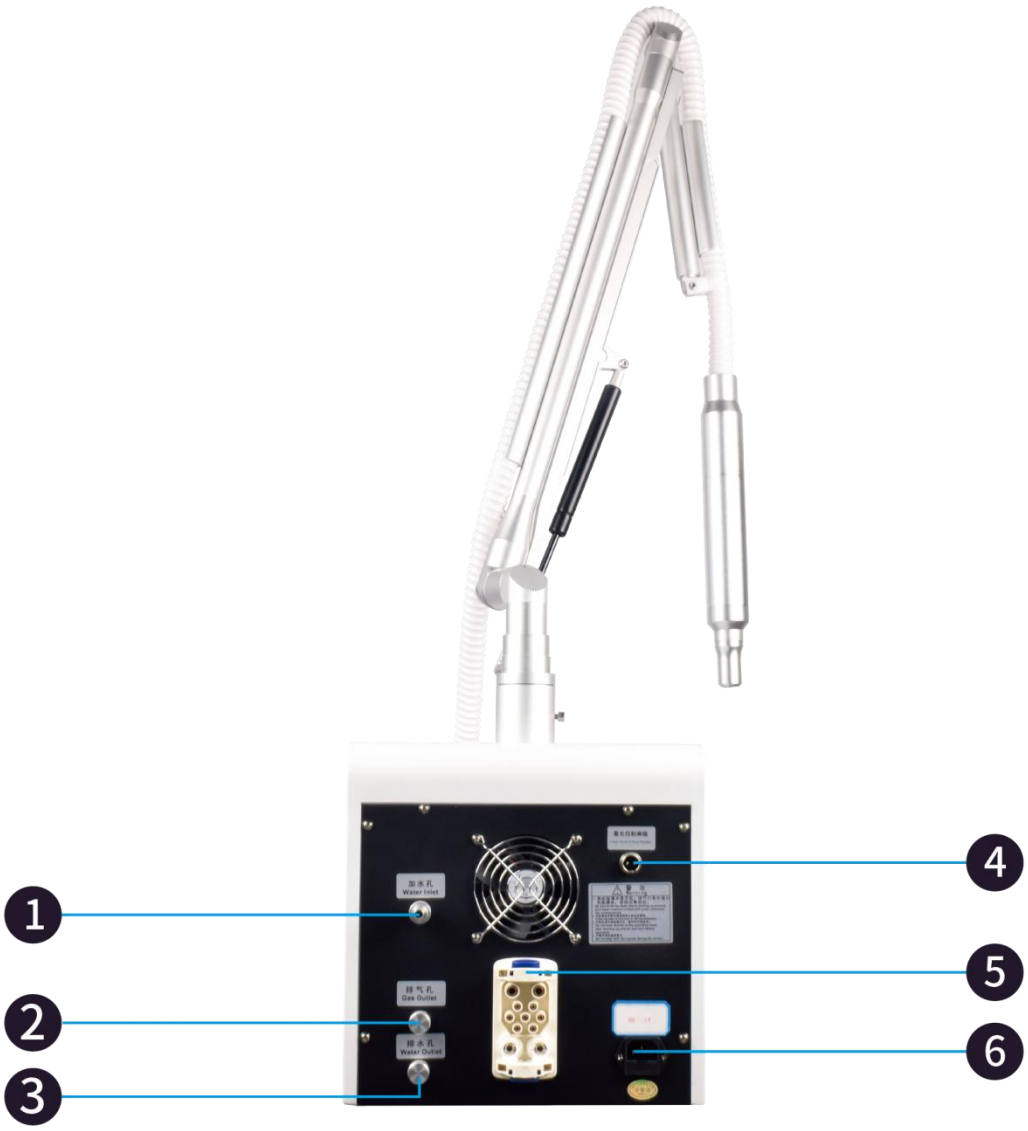


Instrument front
(The picture is subject to the object)

1 Energy conduit
2 Light guide arm
3 Super clear LCD screen
4 Laser handle
5 PWR

Product introduction

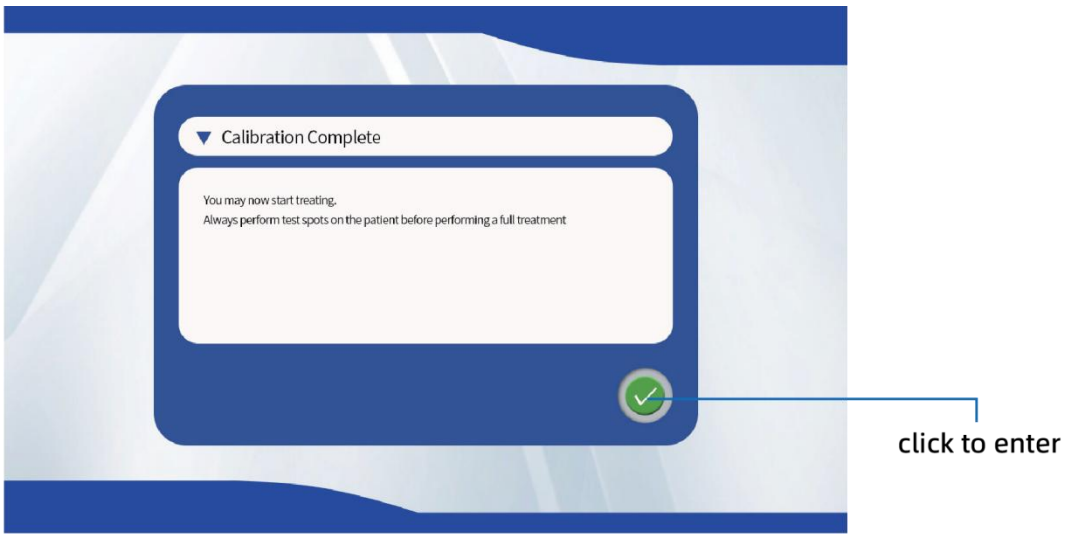
Structure Introduction



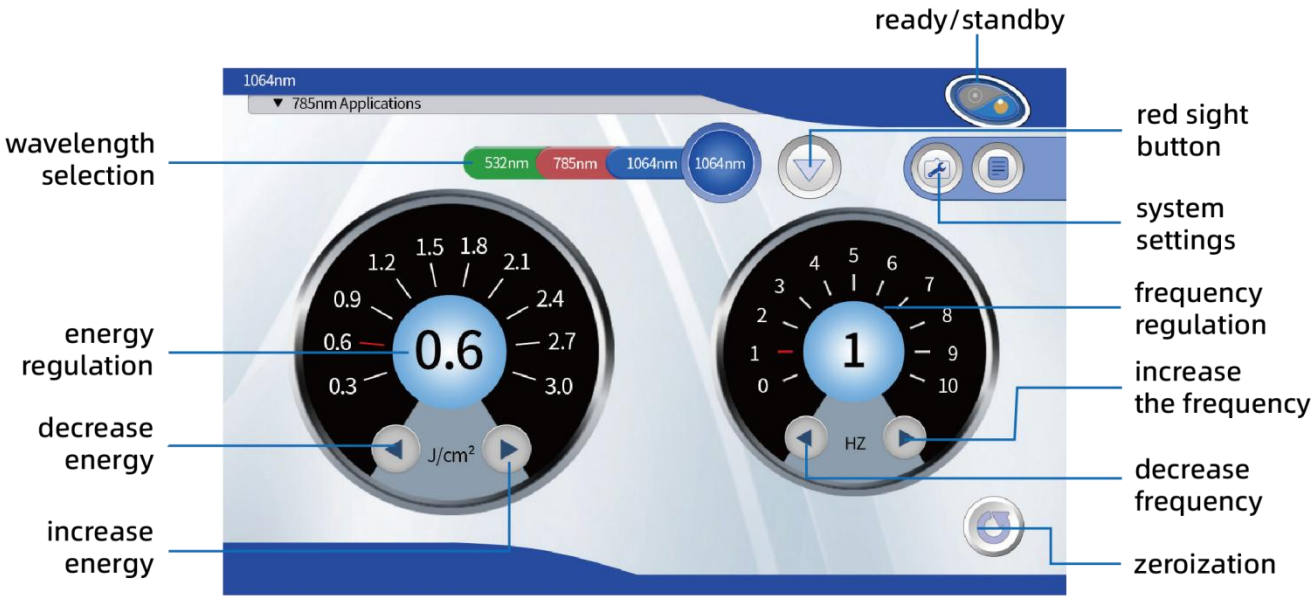
The back of product
(The picture is subject to the object)

1 Water inlet
2 Gas vent
3 Drain hole
4 Pedal socket
5 Power outlet
6 Power socket

Interface introduction



(1-1)



(1-2)

Picture (1-2) is the operation interface, according to the Parameters Setting Table, adjust the energy, frequency, wavelength, click red aim indicator button, click ready, take out the handle, align the treatment area, step on the foot pedal to start the treatment, after treatment, click standby, put handle back in place and turn off the machine.

Instruction for use

Parameters setting

(Adjust based on patient's feedback during the treatment)

Type	Energy J/cm2	Wavelength (nm)	Remark
Rejuvenation and Whitening	0.9-1.2	1064/785	Operate until the skin becomes reddish
Epidermal speckle	1.0-1.2	1064/785	Operate until the speckle turn white and bleed slightly
Dermal speckle	0.9-1.2	1064	Operate until the skin becomes reddish
Chloasma	0.7-1.0	1064	Operate until it turns white or reddish
Remove moles	1.0-1.3	1064	Until bleed slightly or moles turn white
Wash Eyebrow、Remove tattoo、Remove lip line/ tattooeyeliner	1.3-1.5	1064	For new technology tattoos，black and blue tattoos，operate until tattoos turn white
	0.9-1.0	1064	For traditional technology deeper black and blue tattoos，operate untli tattoos turn white
	0.9-1.0	532	For colored tattoos，operate until tattoos turn white
Blackhead	1.1-1.3	1064	For remove the nose blackheads

Taboo group

1、Pregnant women, patients with hypertension,heart disease,diabetes;
2、People who have photosensitivity;
3、People with open wounds;
4、People who had or will have sex recently;
5、Women during menstruation.

Instruction for use

Precautions

1. After the surgery, it is recommended to apply cold compress treatment within the first 48 hours, which can help alleviate postoperative pain and diminish swelling.

2、When scabs form, let them fall off naturally; usually, they will naturally detach themselves after about two weeks.

3、 In the three days following the surgery, it is essential to keep the treatment site dry and clean. Do not expose it to water, refrain from using any cosmetic products, and avoid applying pressure through massage or scratching during this time. Three days after the procedure, the area may be carefully cleaned with clean water.

4、 After treatment, make sure to avoid direct sunlight exposure. When venturing outdoors, it is crucial to utilize shielding items like an umbrella or hat. Upon the complete shedding of scabs and the skin's return to its regular condition, one may apply sunscreen; however, it is advised not to use cosmetics that are particularly strong or irritant in nature.

5、 Following the treatment, patients are advised to steer clear of spicy, stimulating, and raw or chilled foods. It's important to stay hydrated by drinking ample amounts of water and to consume a diet that is abundant in nutrient-dense fruits and vegetables.

6、If you are taking Chinese herbal medicine, it is necessary to wait for a period of one week before undergoing this treatment.

Configuration list

Name	Quantity
Light guide arm	1
Foot switch	1
Power cord	1
Carbon gel	1
Protective spectacles	1

Attention: The instrument is a light-based product. During operation, ensure that the light is not directed at anyone's eyes. After completing the operation, make sure to place the handle back into its protective cover to prevent accidental activation and potential injury."