Firming and lifting / Spot removal and whitening / Repairing acne scars

Little white dot array

User manual



Catalogue

Product introduction

Working principle 01

Product specifications 01

Structure introduction 02

Instructions for use

Interface instructions 04

Parameter setting 07

Warning 08

Precautions 08

Configuration list 08

Product introduction

CO2 Fractional

CO2 Fractional laser is a very popular skin beauty technology. It not only has the rapid and significant effects of invasive treatment, but also has the advantages of non-invasive treatment with minimal side effects and short recovery time. It combines the advantages of both.
Unique advantages:
1、Wavelength: Fractional laser can directly reach the deep dermis of the skin, stimulating the damaged part of the dermal tissue to repair, causing the dermis to produce more collagen and rearrange it, achieving skin rejuvenation and anti-aging effects.
2、No harm: Fractional laser creates micropores with a diameter of 100-2000μm in the skin. These micropores can be closed within one day after treatment.
3、Customizable personalized care plan: According to personal needs, a personalized care plan can be customized. During treatment, the diameter
and depth of the micropores can be adjusted.

Working principle

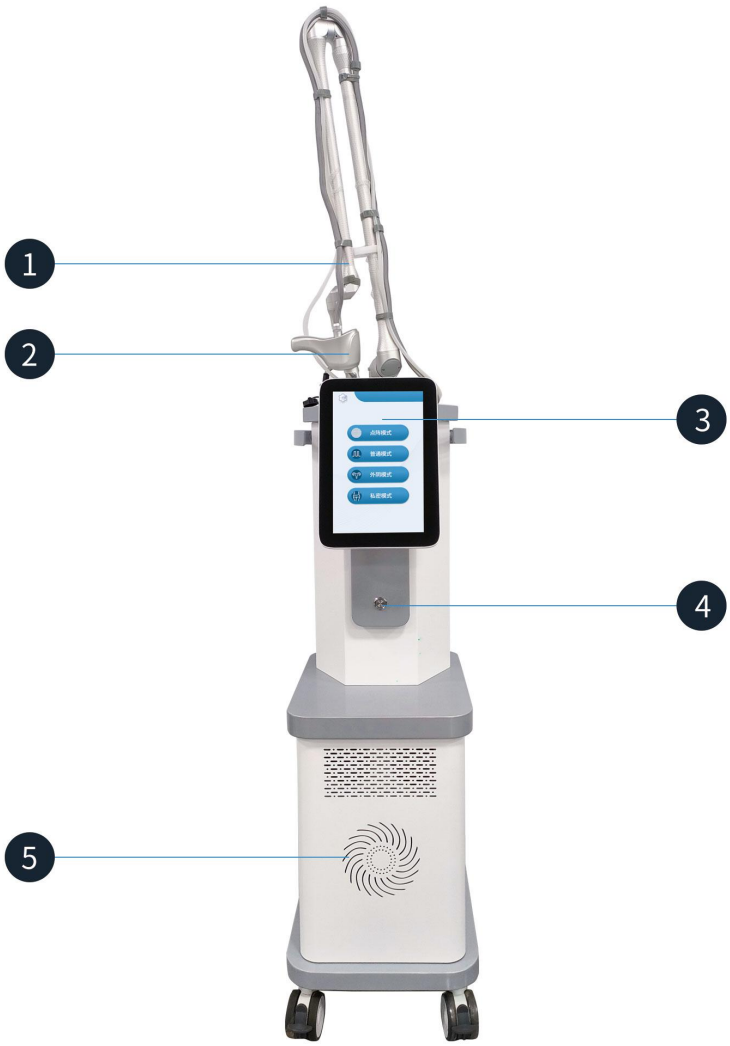
Fractional laser treatment uses laser to evenly make tiny holes in the skin, thereby forming three areas of thermal exfoliation, thermal coagulation, and thermal effect in the skin layer, which in turn triggers a series of skin biochemical reactions, stimulates the skin to repair itself, and achieves skin tightening, Skin rejuvenation and freckle removal effects.During care, only part of the skin tissue will be covered, and the newly made holes will not overlap each other. Part of the normal skin will be preserved, speeding up recovery, and you can return to normal life after 3-5 days; at the same time, it can treat any part of the body, such as acne，scars，dilute and eliminate spots, surgical scars, traumatic scars, scald scars, chloasma, Civatte heterochromia, wrinkles, skin sagging, photoaging skin.

Product specifications

specifications	
Laser Type：CO2 Fractional Laser	Laser Wavelength: 10600nm
Output Mode: Continuity, Ultra Pulse, Fractional	Laser Working Mode: Continuity
Spot Mode: Single-Mode Beam Profile	Fractional Working Mode: Intermittence, Continuity, Pulse
Spot Diameter: 100-2000μm (changed by zoom lens barrel)	Pulse Energy: 8.3-166mJ
Spot Shape: Triangle, Square, Circle, etc.	Pulse Width: 0.1005-10.05ms
Spot Size: 1*1cm, 2*2cm, 3*3cm	Aiming Laser Power: ≦5mw
Pulse Interval: 1-100ms (0.1ms step)	Aiming Laser Wavelen gth:635nm
Scanning Method: Sequence, Random, Center-out	Meas.: 104*53*134.5cm
Voltage: AC220±10%, 50Hz	Cooling System: Air Cooling
Packaging size: 61CM*47CM*131CM	

Product introduction

Structure introduction

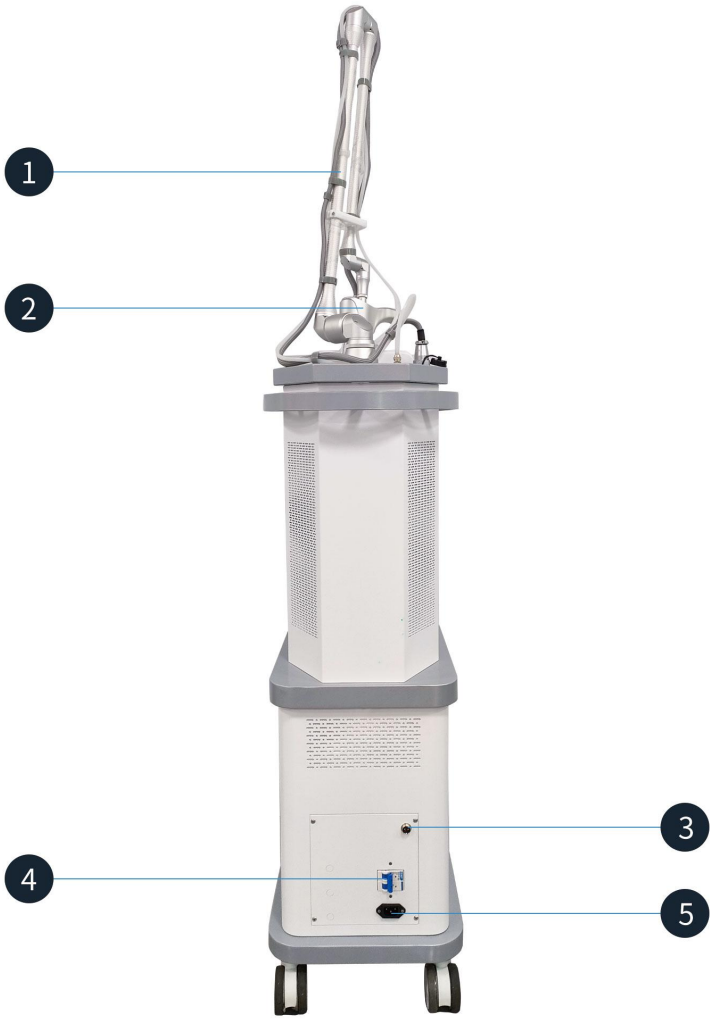


Positive display
(Subject to the actual item)

1 Light guide arm
2 Dot matrix head
3 12-inch display screen
4 Power button
5 Ventilation hole

Product introduction

Structure introduction

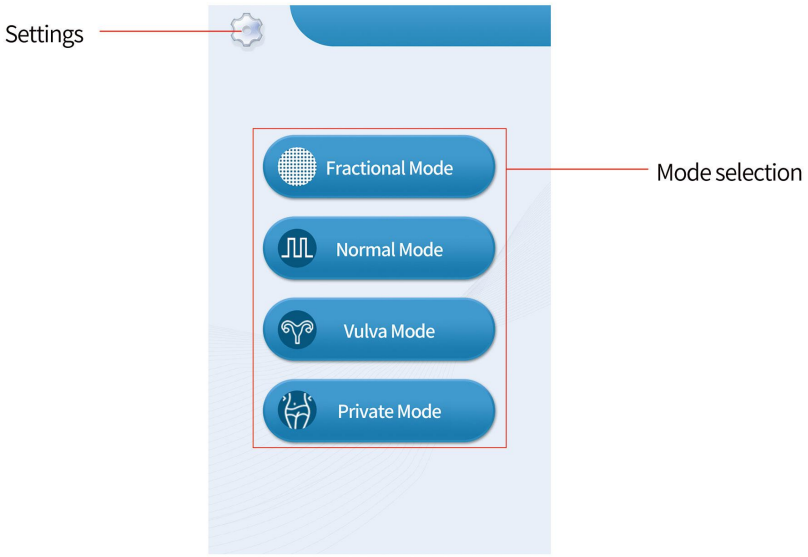


Back display
(Subject to the actual object.)

1 Light guide arm
2 Dot matrix head
3 Foot pedal socket
4 Power switch
5 Power cable socket

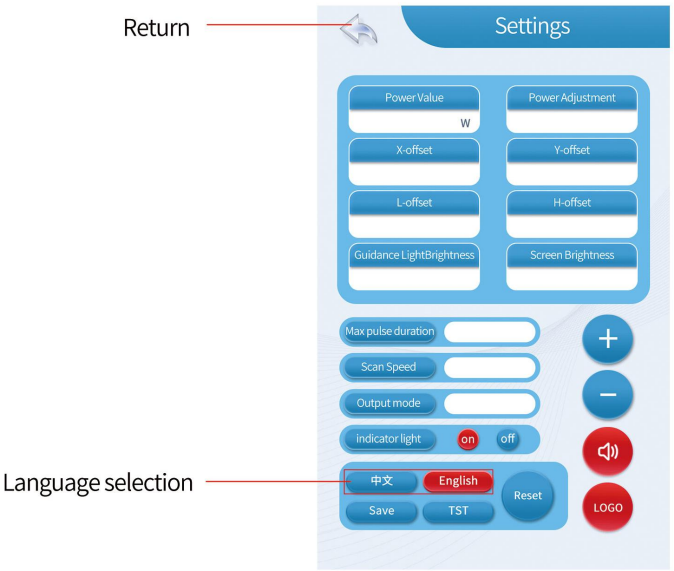
Instructions for use

Interface instructions



(Picture 1)

Turn on the device, select the treatment mode; click ‘setting’ to (Picture 2)

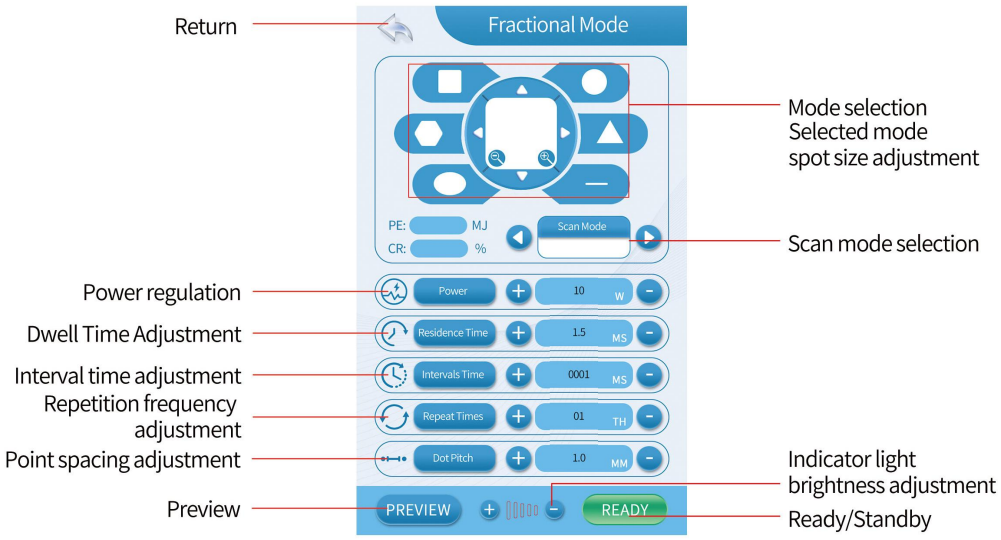


(Picturer2)

(Picture 2) energy data and language settings can be adjusted here.

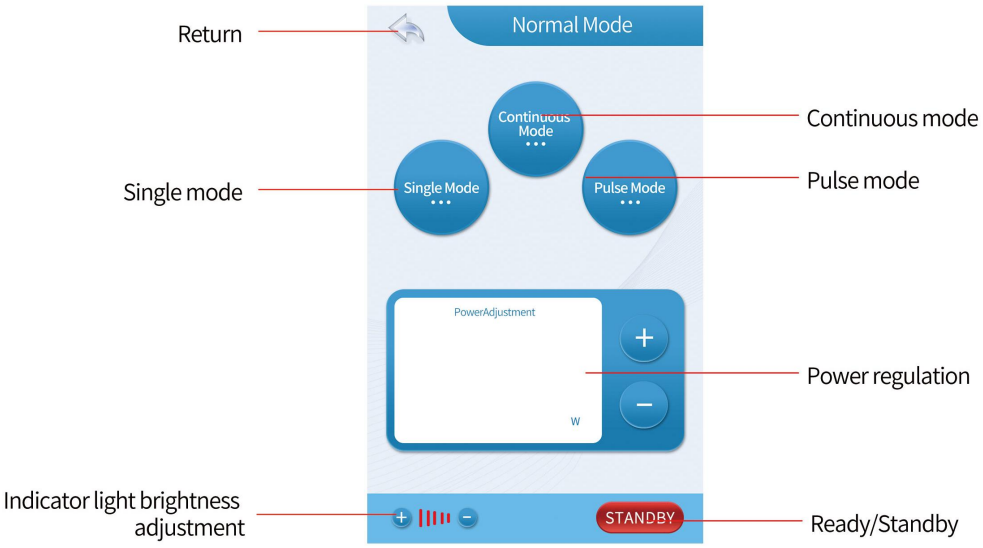
Instructions for use

Interface instructions



(Picture 3)

Select the fractional mode (Picture 3) and install the fractional probe. Choose the treatment shape and adjust the spot size. Set the relevant treatment parameters based on the actual situation of the client (you can refer to the parameter setting table). Click "Preview" to determine if the size is appropriate, then click "Ready" to start the operation.

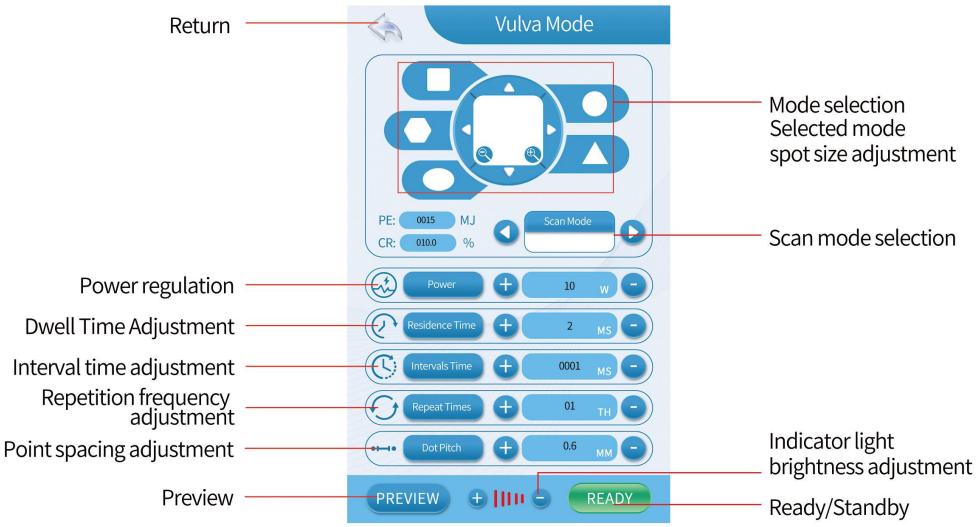


(Picture 4)

Select the normal mode (Picture 4) and install the cutting probe. Choose the operation mode and set the relevant parameters based on the client's actual situation. Click "Ready" to start the operation.

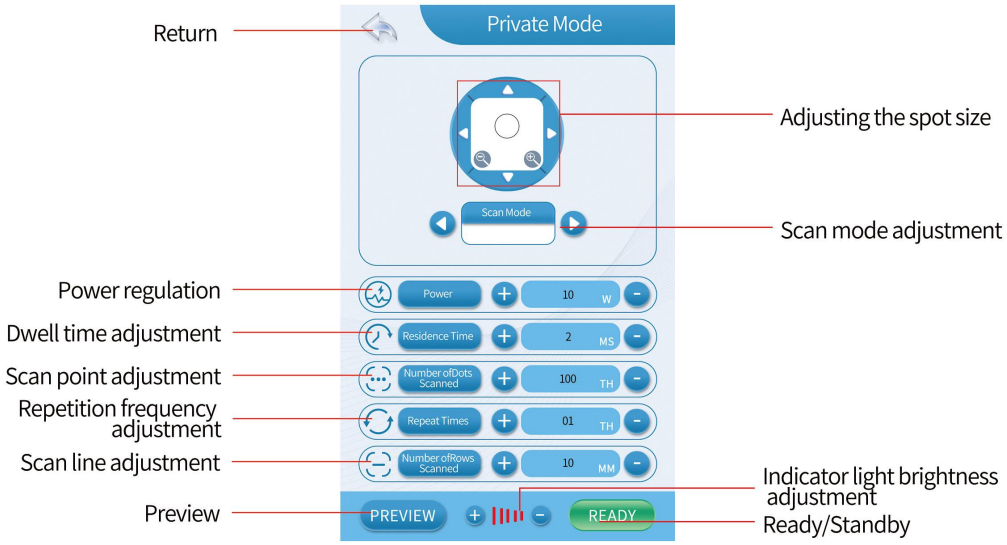
Instructions for use

Interface instructions



(Picture 5)

Select the vulva mode (Picture 5) and install the vulva probe (ensure it is sterilized at high temperature). Choose the treatment shape and adjust the spot size. Set the relevant treatment parameters based on the client's actual situation. Click "Preview" to determine if the size is appropriate, then click "Ready" to start the operation.



(Picture6)

Select the private mode (Picture 6) and install the private probe. Adjust the spot size and set the relevant treatment parameters based on the client's actual situation. Click "Preview" to determine if the size is appropriate, then click "Ready" to start the operation.

Instructions for use

Parameter setting table

	Laser power	Residen-ce time	Interval time	Times of repetition	Dot spacing	Scan Mode	Scope of care
Fracti-onal	20W	2MS	1MS	1TH	1MM	3 Modes	Facial resurfacing, pockmarks, stretch marks, or scarring
vulva	20W	1MS	1MS	1TH	0.5MM		It mainly improves white lesions of the vulva, malnutrition, relieves itching, and improves skin elasticity and color.
	Laser power	**Residen-ce time**	**interval time**	**times of repetition**	**number of scanning lines**	**Scan Mode**	**Scope of care**
privacy	10W	2MS	50TH	1TH	10MM	3 Modes	Postpartum repair, private tightening, cervical lifting, color improvement, urinary incontinence improvement, etc.
	Continuous mode	**Scope of care**	**Pulse pattern**	**Scope of care**	**One-Shot Mode**	**Scope of care**	
normal mode	(1W) Continuous pulse: belongs to the carbonization mode, or is used to stop bleeding on wounds.		(5W) Pulse: Mainly adjusts the pulse width, that is, the time that laser acts on the treatment area; (after treatment, the epidermis will turn white immediately, otherwise the parameters need to be adjusted)		(20W) Effectively treats acne pits, spots, scars and other areas with relatively large and deep trauma areas; Single pulse: suitable for fine operations or for treatment of relatively small parts (after treatment, the epidermis will turn white immediately, otherwise the parameters need to be adjusted)		

Instructions for use

Warning

1、It is not allowed for people with heart disease, mental illness, and severe high blood pressure.
2、Pregnant women and women during menstruation are prohibite. .
3、This procedure is prohibited for those with a constitution that is prone to scarring, those with inflammation of the skin, or those with severe allergies.
4、Those who have done other optoelectronic instrument projects within the past month should do it one month later.
Those who have had skin filled with hyaluronic acid or implants should wait three months.
5、People who have been exposed to the sun in the past month should rest their skin for a month before trying this project.

Precautions

1、2 hours after finishing the treatment, you can apply a room temperature sterile repair mask or moisturizing product.
2、Within 3-5 days after the treatment, you can apply a hydrating mask every day and use repair products.
3、Within 3 days after the treatment, try to avoid going to high-temperature places, such as saunas, hot springs, etc.
4、Within 7 days after treatment, reduce irritation and rubbing to the skin, and do not use exfoliating and fruit acid products within one month after treatment
5、After treatment, pay attention to moisturizing and sun protection, such as wearing a hat, using an umbrella, applying moisturizing cream and sunscreen, etc.

Configuration list

Item	Quantity
Toolkit	1pcs
cutting head	1pcs
control rod	1 set
Pedal	1pcs
Power cord	1pcs

Note: The instrument is a light product. During operation, be careful not to point it at people's eyes. After operation, you need to put the handle into the protective cover to prevent accidental operation and injury to people.