

RADIANT
LASER

Radiant Eclipse

Nd:YAG LASER

TATTOO REMOVAL

PIGMENT REMOVAL

SKIN REJUVENATION



532nm Head

Red, Orange, Brown
Pigments



1064nm Head

Black, Blue, Deep
Pigments

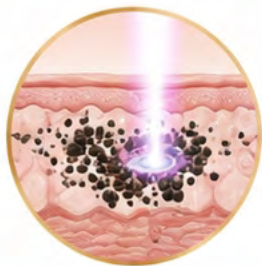


Carbon Peeling Head

Pore Cleansing
& Skin Rejuvenation



Therapy Principle



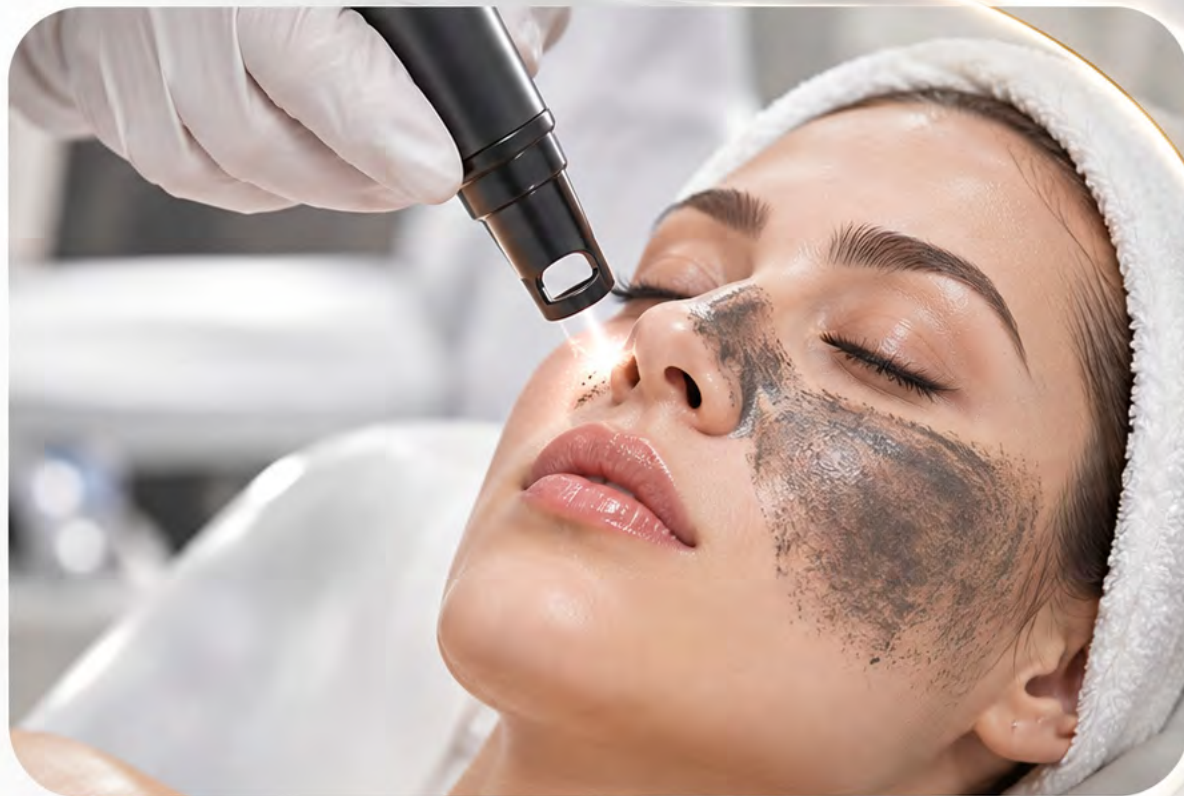
Therapy of epidermis and dermis pigmentation

Utilizing the explosive effect of the Nd:YAG laser, the laser permeate the epidermis into the dermis which includes amount of pigment mass. Since the laser pulses in nanosecond but with super high energy, the shot pigment mass swell quickly and breaks into small pieces, which will be eliminated through metabolic system.



Carbon peeling treatment

The 1064nm wavelength laser directly acts on the carbon cream, blasting the toner, and the toner absorbs pore oil and dirt. At the same time, the laser can stimulate the dermis to produce a large amount of collagen, thereby achieving the function of shrinking pores and whitening.



Skin Rejuvenation

Skin rejuvenation, skin whitening and resurfacing.



Pigmentation Concerns

Freckles, black spots, age spots, coffee spots and sun-burn spots.



Epidermal & Dermal Pigment

Pigment of epidermis and dermis layer.



Tattoo Removal

Body tattoo, eyebrow tattoo and lip tattoo.



Benign Lesions

Nevus of Ota and birthmarks.



Treatment Range



Therapy Principle



1 Laser Handpiece

Ergonomic design with multiple wavelength heads for versatile treatments.



2 12 Inch Touch Screen

User-friendly interface for precise parameter control and treatment selection.



3 Secure Plug Socket

Reliable and secure connection for safe and stable operation.



4 Turn On/Off Button

Simple operation with illuminated power button for easy start-up and shutdown.

1 Laser Handpiece

2 12 Inch Touch Screen

4 Turn On/Off Button

3 Secure Plug Socket



RADIANT
LASER

Introduction To Machine Handle

Introduction to machine handle

532nm: Red, orange, brown, stronger exfoliation

1064nm: Black, blue, deep penetration

Carbon peeling head: Pore cleansing and skin rejuvenation

Internal laser



532nm Internal Laser



1064nm Internal Laser



532nm Head

Red, orange, brown,
stronger exfoliation.



1064nm Head

Black, blue,
deeper penetration.



Carbon Peeling Head

Pore cleansing
and skin rejuvenation.

RADIANT
L A S E R



Technical Specifications

LASER TYPE	Nd: YAG laser
INPUT POWER	600W
LASER POWER	300W
OUTPUT SYSTEM	Handle tool output
LASER WAVELENGTH	1064nm & 532nm
TREATMENT HEAD	Focus head 2 (1064nm & 532nm) / Carbon peeling head
PULSE WIDTH	532nm: 4ns / 1064nm: 4.5ns
ENERGY	100–2000mj (1064nm & 532nm)
FREQUENCY	1–10Hz
COOLANT	Distilled water
SCREEN	10.4 inch touch color screen
COOLING SYSTEM	Air + water cooling
VOLTAGE	110V $\pm$ 10%, 60Hz / 220V $\pm$ 10%, 50Hz
MACHINE WEIGHT	40kg
MACHINE SIZE	400mm * 500mm * 1100mm
PACKAGE WEIGHT	60kg
PACKAGE SIZE	690mm * 520mm * 1240mm

System Advantages



Light Weight

Smaller size and light weight, easy to transport, saving freight costs.



High Performance

Short pulse width (4ns), high power (600W), long lifespan.



Handle Design

Cost-effective laser handle design.



Easy To Use

User-friendly operation, easy to master.



Good Cooling

High power heat is water cooling system while the machine can be continuously and stably used.



Color Display

Operation and parameters displayed with 10.4 inch color TFT touch screen.



Precise

The laser generator is located at the handle position, which is not prone to polarization.



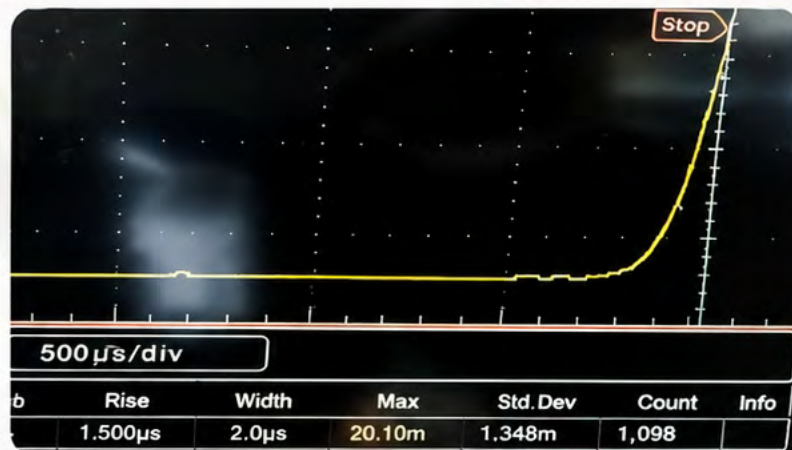
RADIANT
LASER

Testing Results

The Radiant Eclipse Nd:YAG laser delivers stable energy output and precise pulse width, ensuring consistent and reliable performance for professional treatments.



Pulse Width



The pulse width is stable and precise, providing accurate energy delivery for effective treatment results.

Energy Test



Stable and consistent energy output, confirming reliable performance and accurate treatment delivery.

RADIANT
L A S E R

Interface

User-friendly interface with clear function selection and precise parameter control for safe and effective treatments.



Function Delection

Select the treatment function.



Therapy Function

Selected treatment display.



Frequency

Adjust treatment frequency.



Temperature

Display current temperature.



Standby Button

Switch to standby mode.



Water Flow



BODY TATTOO



Sound Button



Red Light

FREQUENCY



21 °c

STANDBY

POWER



00000000

OK



Power

Adjust treatment power.



Count Display

Total treatment count.



Working Button

Confirm settings and start treatment.



RADIANT
ECLIPSE
Nd:YAG Laser

About Treatment

The Radiant Eclipse Nd:YAG laser delivers safe, effective and versatile treatments for tattoo removal, pigment removal and skin rejuvenation, with minimal downtime and visible results.



Pigment Fragmentation

The special pigments may fall off and the common pigments precipitate since the vaporization of skin and death of cuticle.



Low Energy Density

Low energy density (small spot) shall be used in the treatment of the brown or red pigment with 532nm wavelength laser.



Possible Side Effects

Before starting the treatment, explain to clients the possible side effect. In some cases the paint of pigment contains iron ion, which will cause the paint oxidized and make the treatment failure.



Skin Response

There may be swelling or blood clot under skin, but it will recover in 20 to 60 days, varied with individual's skin property.



Multiple Sessions

Repeating operation several times if necessary but at least with 2 months interval.



Post-Treatment Care

No washing with water and sunburn after the treatment against infection and pigment precipitation.



Therapy Principle



- The special pigments may fall off and the common pigments precipitate since the vaporization of skin and death of cuticle.



- There may be swelling or blood clot under skin, but it will recover in 20 to 60 days, varied with individual's skin property. Low energy density (small spot) shall be used in the treatment of the brown or red pigment with 532nm wavelength laser. Repeating operation several times if necessary but at least with 2 months interval.



- Before starting the treatment, explain to clients the possible side effect. In some cases the paint of pigment contains iron ion, which will cause the paint oxidized and make the treatment failure.



- No washing with water and sunburn after the treatment against infection and pigment precipitation.

RADIANT ECLIPSE

Nd:YAG Laser



Treatment Steps

01



Consultation and Consent

Complete client consultation and obtain a signed consent form before treatment.

02



Clean Treatment Area

Clean and prepare the treatment area according to protocol.

03



Apply Protective Eyewear

Ensure both the client and operator wear appropriate laser protective glasses.

04



Set Treatment Parameters

Adjust the appropriate settings based on the treatment area, skin type and client needs.

05



Start Treatment

Begin the treatment using proper technique and consistent handpiece movement.

06



Perform Treatment

Deliver the treatment, ensuring proper coverage and monitoring client comfort.

07



Post-Treatment Care

Apply a recommended post-treatment mask and provide aftercare instructions.



Therapy Principle

01



It is recommended to use a medical mask one week after treatment.

02



It is recommended to use repair products and products that inhibit pigmentation after treatment.

03



Customers must pay attention to sun protection after treatment: physical sunscreen, masks, umbrellas, etc.

04



The treatment interval is about one month. There are recommended treatment times in the parameter table. The doctor should judge whether more treatment times are needed according to the recovery situation.

05



Do not eat spicy food or seafood within one week after treatment.



Effect



Freckle Removal



Before



After

Age Spot Removal



Before



After

Eyebrow Removal



Before

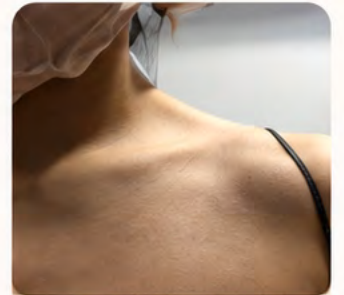


After

Tattoo Removal



Before



After