

Fractional *Master*™

Co2 Fractional Laser

Perform at a Higher Level
for

wrinkles, more severe textural changes from sun damage,
wrinkles, blotchiness, acne scars, and surgical or traumatic scars



What is the fractional co2 laser?

How does the fractional CO2 laser work?

What can fractional co2 laser do ?

What is the fractional co2 laser?

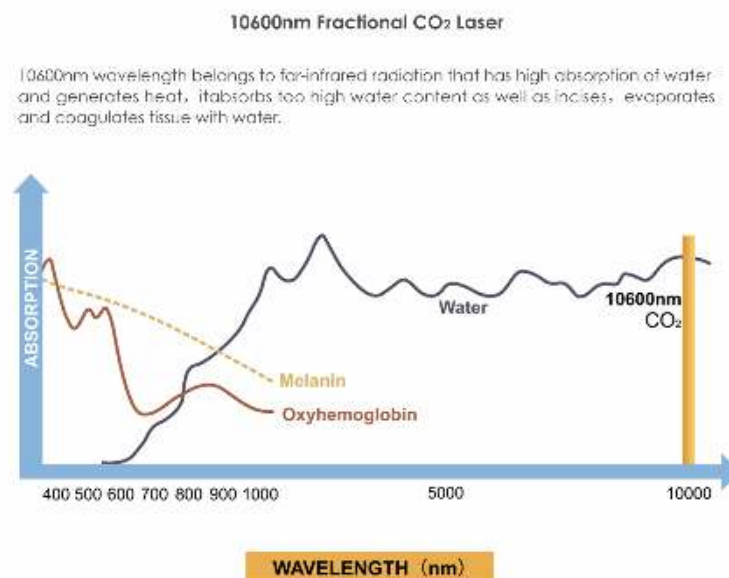
Fractional CO2 Laser is a skin resurfacing treatment that uses a carbon dioxide laser, split into tiny beams, to create microscopic dots of injury in the skin, leaving healthy tissue untouched for faster healing. This controlled damage triggers the skin's natural repair, boosting collagen and elastin to smooth wrinkles, improve acne scars, tighten skin, and fade sun spots, offering significant rejuvenation with shorter downtime than traditional lasers.

How does the fractional CO2 laser work?

Micro-injuries: The laser delivers energy in a "fractional" pattern, treating only a fraction of the skin at a time, creating tiny columns of thermal damage.

Stimulates healing: The surrounding, untreated skin accelerates healing, promoting new collagen and elastin production.

Removes damaged cells: It ablates (removes) the outer layer of damaged skin, allowing fresh, healthy skin to surface.



Common uses for co2 fractional laser

- Scars /Acne scars (especially deep ones)
- Fine lines and wrinkles
- Sun damage and age spots
- Enlarged pores
- Uneven skin texture and tone
- Stretch marks

Benefits from co2 fractional laser

- Effective rejuvenation: Achieves smoother, firmer, and younger-looking skin.
- Reduced downtime: The fractional approach means quicker recovery compared to full-field lasers.
- Versatile: Can be adjusted for different depths, treating various skin concerns.

Fractional *Master*TM

The most powerful CO₂ laser
in
aesthetic treatment



Stretching the limits of performance

Fractional Master[®] can penetrate deeper than any aesthetic CO₂ laser. Combined with great versatility, this makes Fractional Master[®] perfect for both everyday procedures and the thick and complex lesions.

Fractional Mode

- Great versatility and precision for all your resurfacing needs
- Advanced technology for enhanced patient comfort

Deepest Impact with SCAN Mode

- Up to 4mm in a single pulse
- Ideal mode for treating deep, thick lesions

Exceptional Micro-Ablation/Non-Ablation

- Optimal clinical outcomes with minimal excess heating
- Proven efficacy in dozens of clinical studies and peer-reviewed publications

Shortest Pulse Duration

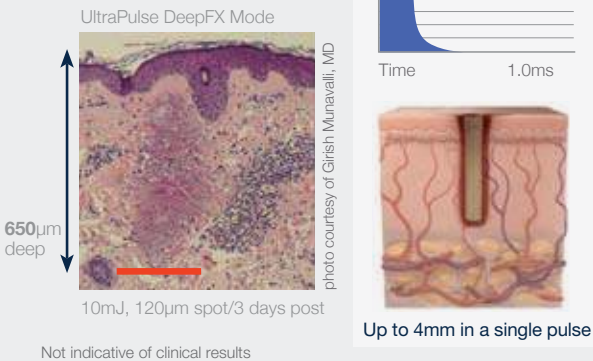
- Faster than the tissue relaxation time
- Minimizing thermal damage

Fractional *Master*™

The State of Art Technology

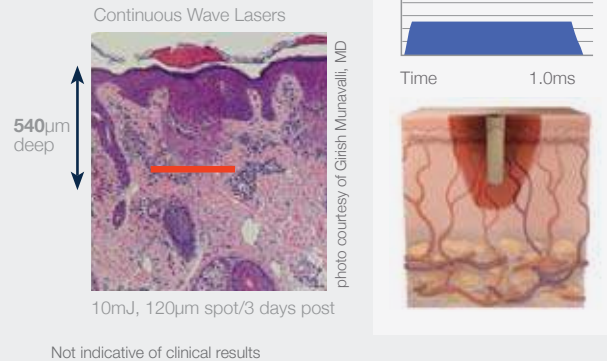
Fractional Master®

- Highest peak power
- Deepest impact
- Narrow, controlled thermal zone



Continuous Wave (CW)

- Low peak power
- Superficial impact
- Wider thermal zone



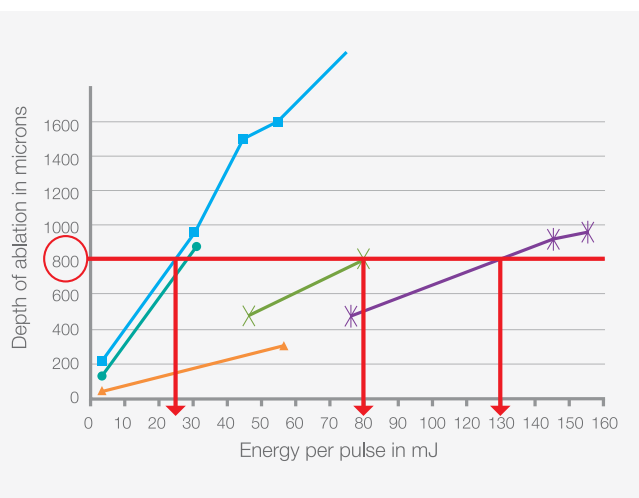
Exceptional ablation/coagulation ratio

When ablation depth is equal, more energy means more excess heat in the tissue. Fractional Master® technology enables the deepest penetration with the lowest energy. This reduces patient discomfort, downtime and thermal damage.

Fractional Master® also enables the shortest pulses per energy level further enhancing patient comfort.

Warnings and risks

CO₂ lasers are intended solely for use by physicians trained in the use of the Carbon Dioxide laser (10.6 µm) wavelength. Incorrect treatment settings or misuse of the technology can present risk of serious injury to patient and operating personnel. Risks that may be associated with any CO₂ laser procedure may include change of pigmentation, infection, erythema, skin induration or scarring. Read and understand the CO₂ systems and accessories operator manuals for a complete list of intended use, contraindications and risks. The use of CO₂ laser is contraindicated where a patient has taken Accutane (Isotretinoin) within the past 6-12 months, has a history of keloid formation and demonstrate excessive or unusually prolonged erythema.



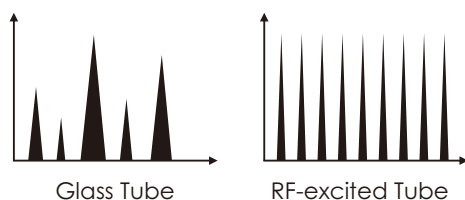
- Fractional Star
- Competitor 1
- Competitor 2
- Competitor 3
- Competitor 4

Adopts high power 30W RF Tube Laser generator imported from USA Access

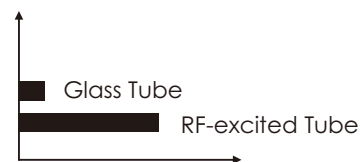
More Stable Energy, best results promise
No need adding water to the RF tube
Longer lifespan
Convenient for maintenance



Comparison of RF tube and ordinary Glass tube

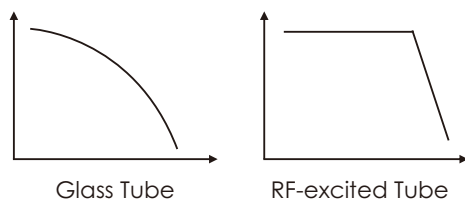


Glass tube laser; power is not stable.



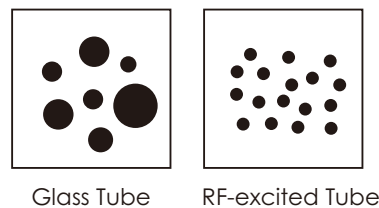
The RF-excited tube laser Co2 can be used at least 3 years, the glass tube laser Co2 can be used for one or two years.

Energy



Glass tube laser energy decrease dramatically from the beginning to the end.

Focal Spot Size

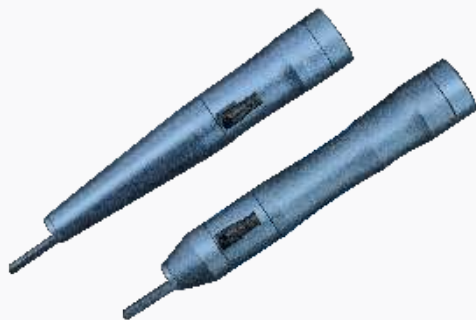


Glass tube laser: spot size and spot density are different in size and shape

4 MODES WITH 7 APPLICATORS

for different target areas

① Super Pulse Mode



"CUT"Applicator

Eliminating hypertrophy scars or depression and pigmentation.

② Fractional Mode



Micro-Ablative

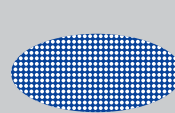
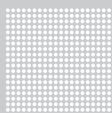


Non-Ablative

Galvanometric Scan
Applicator

Skin Resurfacing/Wrinkle Reduction/Scar Treatment/
Pore Tightening/Skin Tightening

7 VARIABLE TREATMENT GRAPHICS, ADJUSTABLE
SHAPES, SIZES AND SPACING



Highly Advanced Scanners

For Maximum Versatility, Speed and Efficacy

Technical Specification

Wavelength: 10.600 nm

Power: 30W with RF Tube

Pulse width: 200 to 500 μ s

Scan pattern: Square, rectangle, round,
triangle, oval, 6-diamond shape,
line or customized graphics

Scan pattern size: 0.1x0.1mm—20x20mm

Dot quantity: 400 dots maximum

Working state: ultrapulsed mode

Scan mode: free scan; Sequence scan;
maximum distance scan

Pulse duration: 0.1-10ms

Spot distance: 0.1-2mm

Pulse energy: 1mj to 100mj

Laser apparatus: Sealed off laser device
stimulated by direct current
Condenser focus: $f=50$ mm

Beam divergence angle: 0.3 mrad

Spot size: ≥ 0.2 mm at the focus

Radiation time / Interval time: 0.011s Aiming
beam: 635nm infrared ray

Beam transport device: 7 articular arm



A Trusted Path to Outstanding Outcomes



BEFORE



AFTER



BEFORE



AFTER



BEFORE



AFTER



BEFORE



AFTER



BEFORE



AFTER



BEFORE



AFTER