

## Co2 Fractional Laser Skin Resurfacing System(G2)

The Co2 Fractional Laser Skin Resurfacing System(G2), with 4 working modes as Pulse, Scanning, Ultra-Pulse and Continuous, can do various of high-demanded laser treatment safely and effectively, specially for aesthetic surgery and dermatology.

The design has 4 advantages, that is, high precision operation, tiny thermal injury, short treatment time, quicker recovery time.

With highest-integrated and ultra-high-speed Graphics Scanner, the machine can scan various of non-linear fashion with different size and shape. The scanning shape is specially designed for customers' different needs with 11 scanning modes.

It also virtues as its Dynamic Balance and Compensation Install for Remedying Energy Attenuation.

The machine can automatically compensate more energy when the energy of the laser tube reduces, without operators reset the treatment parameters according to their own experience

### System Feature

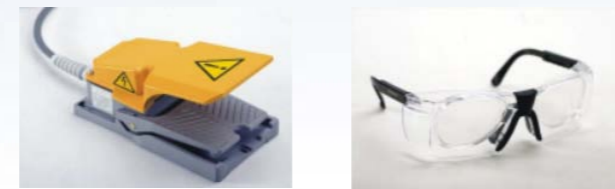
- **Four Scanners** enable more options for treatment.
- **Four working modes** (Fractional, CW, Pulse, Ultra Pulse) ensure more wide use in different surgery
- Special designed **energy self-inspected and energy-replenishment system**, improving the stability and effect
- **Multi safety protection**: water, electric ,remote interlock warning alarm.
- **Laser anti-leak design**; enhance the operator and client safety.
- **Whole low voltage system**: no electric danger and no electric radiation
- Green guiding light make operation vision clearer
- With background set for operators' special needs
- Time-counter for showing total operation time and machine use time.
- Friendly designed in modular for easy maintenance, with red and green light to guide it.



Focus Length :50mm  
Scanning Area:1mm\*1mm-15mm-15mm Adjustable  
Scanning Depth :2000um  
High Speed Mini Design Scanner  
Deep fractional ablation, effective for the scar, acne and surgery



Focus Length :100mm  
Scanning Area:1mm\*1mm-20mm-20mm Adjustable  
Scanning Depth : 600um  
Superficial fractional ablation for fine lines, uneven texture, dyschromia and actinic keratosis. Collimated, nonsequential scanning , effective for large area wrinkle and skin rejuvenation.



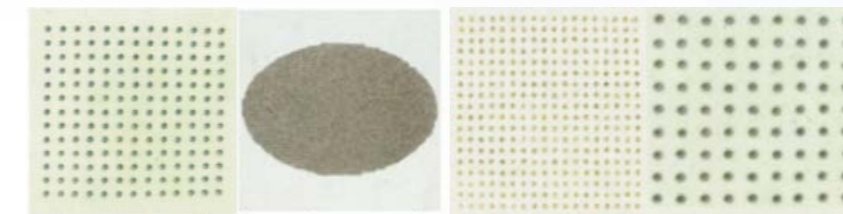
### Principle

With fractional CO2 laser resurfacing, the laser beam is broken up or fractionated into many small micro beams which are separated, so that when they strike the skin surface small areas of the skin between the beams, the skin would not be hit by the laser and left intact. These small areas of untreated skin promote a much more rapid recovery and healing with less risk of complications. While the small areas treated by the fractional micro beams, called micro treatment zones, cause sufficient laser injury to promote new collagen production and resultant in facial skin rejuvenation. As these treated areas are much smaller than the surrounding healthy tissue, the healing time is significantly shortened. Most fractional CO2 laser patients heal in less than one week for facial treatments. It provides results almost as good as traditional full-surface CO2 laser, but with far less risk, downtime, infection and complication.

Nicely, it can also safely treat other areas besides face, producing excellent results in treating neck, hands and back, such as skin laxity, acne scars and wrinkles. But only one to two treatments are needed for up to an 85 % improvement.

Traditional full-surface CO2 laser treatments are performed by using a beam of intense laser energy, which is passed over the skin surface to vaporize the entire top layer of skin. The damage to the tissue is extensive, it takes at least two weeks to heal and regrow a new top layer of skin (i.e., re-epithelialize the entire top layer of skin)

### Scanning model



Sparse-scanning intensive-scanning Shallow-scanning Deep-scanning

### Up to 11 scanning models



### Application:

**Cosmetic:** Rhytides (Wrinkles), Mottled dyspigmentation, Telangiectasia (Red Spots) , Solar lentignes (Brown spots), Large pores, Rough skin texture.

**Medical:** Actinic keratosis (sun-damaged skin, precancerous lesions), Seborrheic keratosis (sun-damaged skin, precancerous lesions), Sebaceous hyperplasia (yellow, shiny bumps on the face), Rhinophyma (nose swelling and tissue over growth), Epidermal Melasma (Brown spots).

### Before and After result



### Specification

Laser source	Glass Laser Tube
Working Mode	Fractional Mode Continuous Wave Mode (CW) Pulse Mode (single and repeated) Ultra Pulse Mode
Laser Wavelength	10600nm
Power of laser generator	Max 60W
Output Power	1-30W
Focus Diameter	≤0.1-1.2 mm
Treatment Depth	≤2000um(S100); ≤600um(S50)
Aiming Beam	Diode laser (532nm,≤5mW)
Delivery System	7-Articulation Joint Spring Arm
Scanning Area	1mm*1mm-20mm*20mm (S100) 1mm*1mm-15mm*15mm (S50)
Scanning shape	Ellipse, Rectangular, Triangular, Line, Square, hexagon
Smoke Exhausting System	Built-in air blow
Cooling system	Air Cooling
Environmental temperature	5° C-40° C
Relative Humidity	≤80%
Power Supply	~220V ± 22V, 50Hz ± 1Hz
Dimension	430mm*350mm*1050mm
Weight	35kg