

# Matrix<sub>2</sub> CO<sub>2</sub>

With UltraFine Fractional Technology

*Revealing Depths of Beauty*



sandstone  
Medical Technologies

# A GOLD STANDARD resurfacing platform with proven effectiveness!

Matrix<sub>2</sub>  
CO<sub>2</sub>



The innovative design of the Matrix Fractional CO<sub>2</sub> Laser System takes fractional CO<sub>2</sub> resurfacing to the next level.

The Matrix Fractional CO<sub>2</sub> Laser package optimizes traditional CO<sub>2</sub> treatments by producing MicroAblative Columns (MACs) of injury to the tissue while preserving untreated skin in-between spots. This promotes rapid re-epithelialization and long-term collagen remodeling while offering a patient comfort level and convenience that approaches a non-ablative resurfacing.

### Ease of Use

The ergonomic, lightweight design of the UltraFine Fractional Scanner easily attaches to the Matrix CO<sub>2</sub> System. Treatment results are noticeable and predictable.

UltraFine  
FRACTIONAL SCANNER



Matrix<sub>2</sub>  
FRACTIONAL  
CO<sub>2</sub>

- Small
- Compact
- Portable
- Affordable



### Time-To-Treat

The UltraFine Fractional Scanner offers a wide range of treatment options. The operator can select multiple settings including size, shape, density and duration, tailoring to the specific needs of each patient. The UltraFine Fractional Scanner is fast, effective and efficient. The UltraFine Fractional Scanner boasts an 18mm spot size and can complete a full face resurfacing in approximately 15 minutes.

### Surgical Procedure Accessories

The Matrix CO<sub>2</sub> can also host several delivery accessories making our laser capable of performing a wide array of surgical procedures.



Focusing Handpiece



Micro-Manipulator

### Cost-Effective

A no disposables laser coupled with a 2-year warranty makes the Matrix CO<sub>2</sub> a smart, must have laser choice! The Matrix CO<sub>2</sub> Fractional Laser System's affordable pricing provides physicians the ability to realize their return on investment in a short period of time.

### Total Adjustment Flexibility

The Matrix CO<sub>2</sub> Laser System treats a wide variety of dermatologic indications. The UltraFine Fractional Scanner provides multiple treatment parameter options.

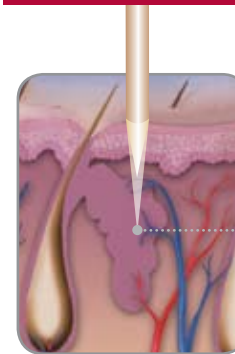
### Fractional Scanner Pattern Size & Shape



### MicroAblative Density Options

The UltraFine Fractional Scanner provides practitioners the flexibility to choose the area of skin left untreated. MicroAblative Column (MAC) density options are adjustable from 200 microns up to 2-millimeters. Thus allowing practitioners to tailor the treatment to the indication and patient's tolerance of downtime.

### Spot Size & Depth of Ablation



Spot Size: 150 microns  
Depth: 100-600 μm

\*not to scale

### Pulse Duration for Precise Depth of Injury

Each pulse of CO<sub>2</sub> energy ablates a column of tissue. As ablation occurs, deep heating stimulates and promotes collagen realignment.

Because all patient's desires are not the same, the pulse duration is adjustable from .02 msec up to 2.0 msec allowing practitioners to safely control the amount of epidermis vaporization.



Before



14 Days Post-Op



Before



14 Days Post-Op



Before



14 Days Post-Op

\*Photos courtesy of Ben Light, M.D.

# Matrix LS-25

## CO2 Laser System

### System Specifications

Laser Type	Sealed Laser Tube
Wavelength	10.6 Microns
Mode	TEM <sub>00</sub>
Power to Tissue	25W
Laser Operation Modes	CW / Super Pulse
Tissue Exposure Modes	Continuous / Single Pulse / Repeat Pulse
Super Pulse Peak Power	200W
Aiming Beam	2MW Pilot Beam
Delivery System	7 - Jointed Spring - Balanced Articulated Arm
Working Radius	135CM
Cooling System	Closed Loop Liquid Cooling
Control	Microprocessor Controlled
Warranty	2 Year
Electrical Input	110 VAC / 60HZ 220-VAC / 50HZ / ±10%
Dimensions	260 x 310 x 960 (MM)
Weight	38KG (84lbs.)

### Physician Testimonial

*Recently I decided to add fractional CO2 laser resurfacing as a bridge between non-ablative procedures, traditional fully ablative laser resurfacing and chemical peels in my practice. I have found the Matrix CO2 fractionated laser to be fast, versatile and user friendly, producing reliable clinical results with excellent patient tolerance and rapid recovery. In addition this laser is competitively priced for a rapid return on investment.*

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