eCO2

Dual Mode CO_2 Resurfacing Laser

UNCOVERING YOUTH
ONE PATIENT AT A TIME

LUTRONIC®

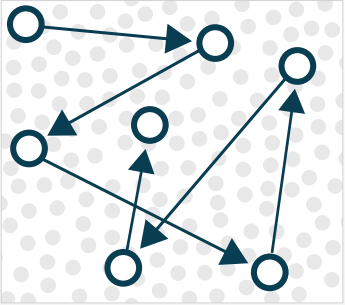
Transform Your Practice with the Robust eCO2

Lutronic's eCO2 is the premier fractional ablative laser that delivers the full spectrum of resurfacing treatments to your busy practice. You will appreciate how easy to use and reliable the system is while your patients rave about their outcomes.

MINIMAL DOWNTIME, IMPROVED PATIENT COMFORT

The eCO2 features the patented Controlled Chaos Technology (CCT™), an algorithm to pseudo-randomly deliver each micro laser beam and by placing maximum distance between sequential beams the system eliminates cross thermal diffusion between adjacent Micro-ablative Columns (MACs).

This allows the tissue to maximize heat dissipation between shots. The result is an increased safety profile with a reduction in post-operative discomfort and faster healing time leading to unparalleled fractional resurfacing results.



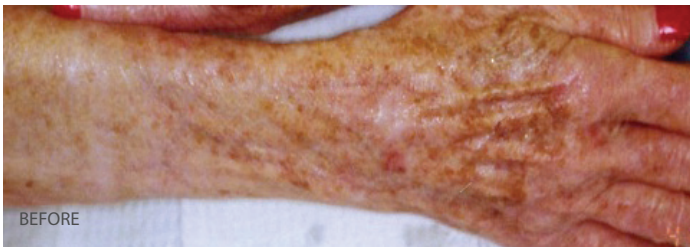
PROVIDE THE RESULTS YOUR PATIENTS DEMAND

ACNE SCARS - COURTESY OF JEFFERY A. RAPAPORT, MD

WRINKLES & TEXTURAL IRREGULARITIES - COURTESY OF J. DAVID HOLCOMB, MD

APPLICATIONS

- Skin Resurfacing
- Wrinkles, Rhytids & Fine Lines
- Scars (e.g.: Acne, Surgical, other)
- Textural Irregularities
- Dyschromia
- Pigmented Lesions & Lentigines
- Solar/Actinic Elastosis
- Nevus
- Incision & Excision Capabilities
- More...



PIGMENTED LESIONS - COURTESY OF MARK RUBIN, MD

ULTIMATE CONTROL OVER ENERGY DELIVERY

DYNAMIC MODE

STATIC MODE

Dynamic Mode completely eliminates the checkerboard look of other CO_2 systems and provides clinicians with a more comfortable operation by allowing the user to **'air brush'** the energy. Whether you're treating large areas or just feathering to eliminate demarcation lines, **Dynamic mode** provides your patients with a more natural look.

Static Mode delivers precise coverage utilizing traditional **'Stamping'** allowing users to treat scanned areas of 14 x 14 mm with selectable density options to enable precise delivery of laser energy without the need for multiple passes other systems require.

RANDOM

REGULAR

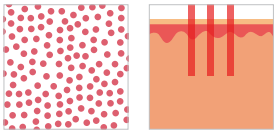
The eCO2 allows you to control how you want to lay the energy down, choose from a pre-programed regular pattern or random pattern. In either mode the laser energy will be distributed using Controlled Chaos Technology.

QUICK-CHANGE TIPS WITH AUTO-RECOGNITION

From ultra-deep to superficial ablation, the eCO2 has the features you need to address a broad range of clinical conditions. The ultra-fast quick change tips come in a choice of three spot sizes, 120, 300 and 1000 µm, allowing you on-the-fly customized treatments. The eCO2's tip auto-recognition feature automatically changes treatment settings to adjust for the change in spot size. Combined together, the advanced technology, quick-change tips and safety features ensure the ultimate control for the best outcomes.

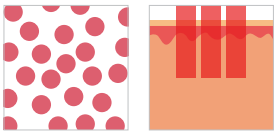
120 µm Tip

- Deep Dermis penetration
- 1-17% coverage per pass
- Rapid Healing Times



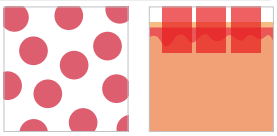
300 µm Tip

- Mid Dermis Penetration
- 5-58% coverage per pass
- Wider, intermediate ablation depth

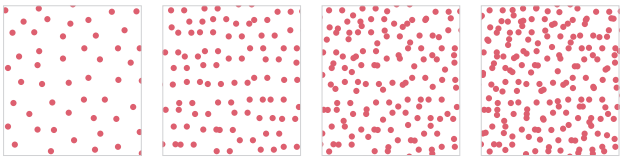


1000 µm Tip

- Shallow Dermis penetration
- 20-130% coverage per pass
- Widest, shallow ablation depth



DENSITY CONTROL



Choose your density and eliminate the need for multiple passes and the clinical disadvantages of unavoidable overlap. The end result is a single pass treatment customized for your patient.

SUPER-PULSE AND CHAR-FREE (ULTRA-PULSE) MODES

With the ability to control your thermal damage, you can further adjust and customize treatments to your patients needs.

> *"The laser is efficient, fast and stable. We can do scar cases on the spot as part of our daily patient flow. In a busy practice like ours, time really is money."*
>
> David B. Vasily, M.D., F.A.A.D.
> Lehigh Valley Dermatology Associates Aesthetica Cosmetic and Laser Center Bethlehem, PA.

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WHY eCO2?

- Low risk, high safety, rapid recovery and low downtime are attractive to patients
- Controlled Chaos Technology creates pseudo-random microwound patterns to minimize heat build-up and maximize patient comfort
- Capable of delivering fractional, full field ablative, incisional and excisional laser treatments*
- Proven reliability
- Easily adjust treatment parameters through intuitive and user-friendly interface
- Two energy delivery modes (dynamic and static) further increase versatility and control over outcomes
- No consumables reduces operating cost and improves ROI

SYSTEM SPECIFICATIONS*

PERFORMANCE		SYSTEM SPECIFICATION	
Laser Wavelength		10.6 µm	
Medium of Transmission		Sealed Off CO2 RF Module Laser**	
Laser Transfer Method		Articulated Arm with Scanner or Conventional Handpiece	
CO_2 RF Module Maximum Power		Maximum 30 Watt at Continuous Wave	
Fractional Scanner Handpiece 	User Mode	Static (Stamping) / Dynamic (Air Brushing)	
	Tip	120, 300 & 1000 um spot sizes	
	Pulse Energy	2 mJ - 240 mJ	
	Pulse Rate	10 Hz - 200 Hz	
	Density	25 - 400 spots/cm^2	
	Scan Area	14 x 14 mm	
	Scan Shapes	■ ■ ● ▲ • "Point Beam"	
Normal Handpiece 	User Mode	Char Free (Ultra Pulse) / Super Pulse / CW	
	Pulse Rate	Char Free (Ultra Pulse)	1 Hz - 700 Hz
		Super Pulse	1 Hz - 550 Hz
	Pulse Width	Char Free (Ultra Pulse)	40 µs - 1000 µs
		Super Pulse	1 ms - 5 ms
	CW	ON Time	CONT. 0.01 s - 1.0 s
		OFF Time	SINGLE 0.001 s - 1.0 s
Dimensions (mm)		360 (W) x 450 (W) x 1870 (H)	
Weight (excluding the arm)		48 kg	

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*Available on Plus model. **Coherent Laser brand Sealed Off CO2 RF Module Laser.

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