



eCO2™
A New Trend for Skin Care Clinics

Performance	System Specification		
Laser Wavelength	10.6 μm		
Medium of Transmission	Sealed off CO ₂ RF Module Laser		
Laser Transfer Method	Articulated Arm with Handpiece		
CO ₂ RF Module Maximum power	Maximum 30 Watt at Continuous Wave		
Fractional Scanner Handpiece	User Mode	STATIC / DYNAMIC	
	Tip	120, 300, 500 micron tip	
	Pulse Energy	2 mJ ~ 240 mJ	
	Pulse Rate	10 Hz ~ 200 Hz	
	Density	25 ~ 400 spots/cm ²	
Scan Area	Max. 18 x 18 mm		
Scan Type	■ □ ● ▲ •		
Normal Handpiece (only available for eCO2 Flux)	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 ~ 1,000 μs
		Super Pulse	1 ms ~ 5 ms
CW	ON Time	CONT, 0.01 s ~ 1.0 s	
	OFF Time	SINGLE, 0.01 s ~ 1.0 s	
User Interface	Touch LCD type, 7" LCD		
Dimensions (mm)	360 (W) x 450 (L) x 1870 (H)		
Weight (excluding the arm)	48 kg		



Technology for Beauty and Health
LUTRONIC®

Lutronic Corporation
Room 403-1,2,3,4,5, 404 Ilsan Technotown 1141-1, Baeksok-dong, Ilsandong-gu, Goyang-si, Gyeonggi-do, KOREA
TEL. +82-31-908-3440 / FAX. +82-31-907-3440
e-mail. office@lutronic.com

Lutronic Inc.
3003 N. 1st Street Suite 235, San Jose, CA 95134, USA
TEL. +1-888-588-7644

Lutronic Europe
122 Gillott Road, Edgbaston, Birmingham B16 0ES, U.K.
TEL. +44(0)121.454.3837 / Mobile. +44(0)789.648.7648

Lutronic Japan Co., Ltd.
9F Hakataekimaecenter Bldg., 1-14-16 Hakataekimae Hakata-ku Fukuoka city
Fukuoka-pref.812-0011 Japan
TEL. +81.92.477.2755 / FAX. +81.92.477.2756

Lutronic China
Suite 22, Hyundai Motor Tower, 38 Xiaoyun Road, Chaoyang District, Beijing, CHINA
TEL. +8610-84585840

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... with even more convenience and versatility



The details

1

A Handpiece Designed for your Hand

- Easily-changed tips
- Variety of scanner areas
- Variable spot densities
- Variety of scan shapes
- Touch sensor function
- Controlled Chaos Technology
- Dynamic and Static modes

2

Perfectly counterbalanced arm

- Minimizes clinician fatigue
- Smooth control of handpiece

3

Touch-screen control

- Interactive
- User-friendly
- Crystal-clear resolution
- Adjustable angle of display

4

State-of-the-Art Hardware and Software assure Stable and Reliable Performance

- Proprietary laser generation
- Full microprocessor control
- Performance constantly monitored
- Multiple levels of redundancy deliver ultimate safety

5

Slim, sleek body

- Small system footprint
- Stable, mobile design
- Attractive, clean lines

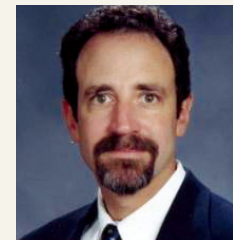
- * Patented Controlled Chaos Technology
- * Fractional or conventional surgical approach (eCO2 PLUS™ only)
- * No consumables
- * Variety of tip sizes
- * Ideal for topical drug delivery

Versatile, Stable, and Powerful Fractional Technology for your Growing Practice

Explore a Comfortable & Innovative Fractional CO₂ Laser

The eCO2 from Lutronic is the new generation of CO₂ fractional resurfacing lasers combining versatility and easy-to-use dual mode technology with the deep ablative properties of a CO₂ laser system.

Superficially targeting the epidermis or promoting collagen remodeling deep in the reticular dermis, the eCO2 effectively and dramatically treats various scars, large pores, uneven skin tone, skin laxity, rhytides, deep wrinkles, textural irregularities, dyschromia and photo-damaged skin. Measurably shorter treatment times are more comfortable for patients. Recovery is rapid, with minimal downtime. Advanced capabilities and intuitive functionality allow clinicians to deliver customized treatments with dynamic and long-lasting results.



"The technology behind eCO2 fills a niche we've been trying to fill for years, in that patients experience dramatically better results and more rapid post-treatment healing than with the old ablative techniques."

» Mark G. Rubin, M.D.
Dermatologist, Beverly Hills, CA, USA



... a familiar wavelength in an extremely elegant and versatile package ... with the ability to perform incisional surgery, ablative resurfacing and ablative micro-fractional photothermolysis ...

» J. David Holcomb, M.D.
Facial Plastic Surgeon, Sarasota, FL, USA



Major Clinical Papers List:

1. Sang Ju Lee, MD, PhD, Ju Hee Lee, MD, PhD, et al. Effects of Ablative 10,600-nm Carbon Dioxide Fractional Laser Therapy on Suppurative Diseases of the Skin: A Case Series of 12 Patients. *Lasers in Surgery and Medicine*, 2009;41:550-554.
2. Dong Sik Bang, MD, PhD, Sung Bin Cho, MD et al. Lower-Fluence, Higher-Density versus Higher-Fluence, Lower-Density Treatment with a 10,600-nm Carbon Dioxide Fractional Laser System: A Split-Face, Evaluator-Blinded Study. *Dermatologic Surgery*, 2010;36:1-8.
3. SH Lee, MR Roh, et al. The combination of copper bromide laser, a 10600 nm ablative carbon dioxide laser and intralesional triamcinolone for the treatment of hypertrophic thyroidectomy scars. *Journal of the European Academy of Dermatology and Venereology*, 2011.
4. Sung Bin Cho, MD, Ju Hee Lee, MD, PhD, et al. Treatment of Syringoma Using an Ablative 10,600-nm Carbon Dioxide Fractional Laser: A Prospective Analysis of 35 Patients. *Dermatologic Surgery*, 2011;37:433-438.
5. Sung Bin Cho, MD, Ju Hee Lee, MD, PhD, et al. Treatment of Syringoma Using an Ablative 10,600-nm Carbon Dioxide Fractional Laser: A Prospective Analysis of 35 Patients. *Dermatologic Surgery*, 2011;37:433-438.
6. SK Hann, SH Oh, et al. Combination treatment of 10,600 nm ablative carbon dioxide fractional laser and narrow band UVB in refractory non-segmental vitiligo: A prospective, randomized half-body comparative study. *British Journal of Dermatology*, 2011.

With its variety of state-of-the-art micro spot size tips, the eCO2 system provides multiple treatment modes, from the most superficial to the deepest fractional ablation, to achieve effects tailored to the individual patient and skin condition.

120 tip
Ultra micro spot
Atrophic Scars, Deep Wrinkles & Laxity

300 tip
Super micro spot
Large Pores, Skin Texture, Total Brightness

500 tip
Micro spot
Skin Tone Brightness, Tightening

eCO2™ Human Histology : 120 Tip

- 120 Tip : 4 mJ
• Depth : 100 µm
• Width : 86 µm
- 120 Tip : 22 mJ
• Depth : 342 µm
• Width : 100 µm
- 120 Tip : 60 mJ
• Depth : 952 µm
• Width : 90 µm
- 120 Tip : 160 mJ
• Depth : 2.4 mm
• Width : 195 µm

Courtesy of Won-Serk, Kim Ph.D., Dermatologist Samsung Medical Center, S.Korea

Clinical Photos

Neck Rejuvenation, Courtesy of Daniel Man, MD, USA

Acne Scarring, Courtesy of J. Rappaport, MD, USA

Skin Tone and Texture, Courtesy of M. G. Rubin, MD, USA

Dilated Pores, Courtesy of M. Lee, MD, Korea

Skin Laxity, Courtesy of Daniel Man, MD, USA

Wrinkles, Courtesy of Daniel Man, MD, USA