

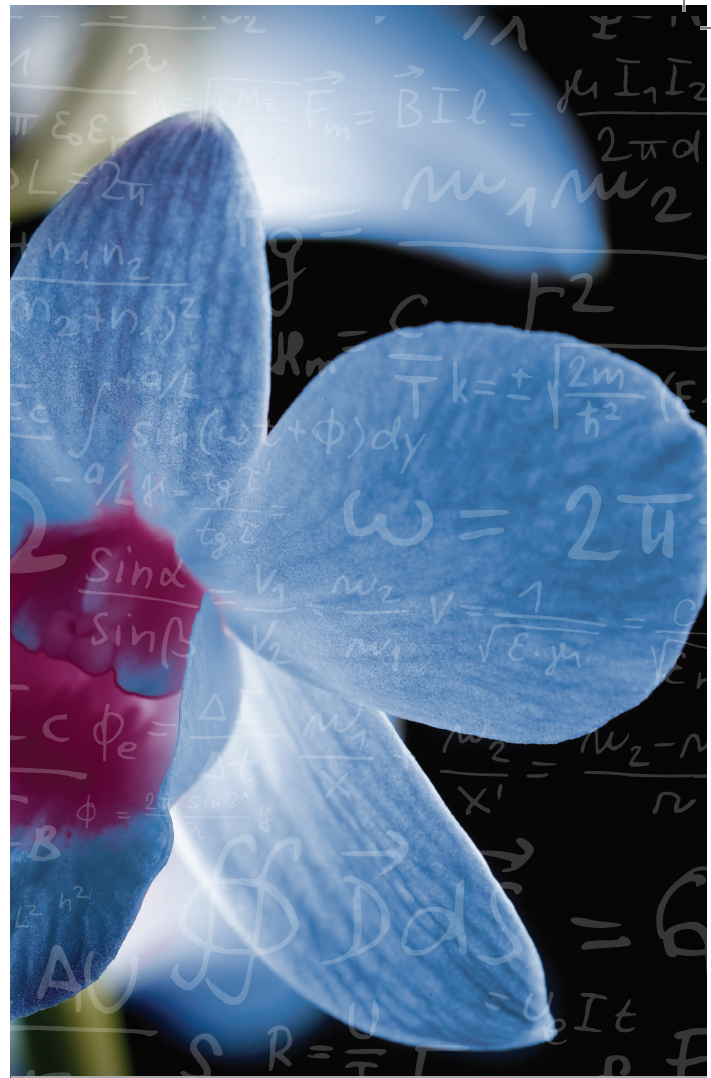
CO₂RE

Fractional

CO₂

Resurfacing

System



Science. Results. Trust.



Syneron®

CANDELA®

"We've been very happy with the results that we've seen using CO₂RE. It has a lot of versatility and we find it works well for both fractionated ablative resurfacing as well as traditional ablative resurfacing."

Brian Zelickson, MD, Dermatologist

"The Fusion Mode provides us with the unique capability to combine both superficial and deep laser channels in a single pass, while varying the energy and density for each depth independently. This is a significant advantage in minimizing treatment time and discomfort for the patient, and it extends our ability to tailor the treatment in real time."

Shlomit Halachmi, MD, Dermatologist

The CO₂RE Advantage

CO₂RE is the versatile fractional CO₂ system that enables you to precisely target and effectively treat the skin's surface, middle and deep dermal levels, plus perform traditional CO₂ resurfacing and laser excision of lesions.

Grow your practice with this lighter, faster, and more versatile solution for skin resurfacing, wrinkle and scar reduction, traditional ablation and minor dermal excisions. CO₂RE gives you the ability to treat both superficial and deep skin layers simultaneously with precision-control over the intensity, pattern and depth of ablation.

Unique Fusion Mode

CO₂RE has 5 software generated treatment modes, which cover all the current CO₂ applications without comprising depth, coverage or speed. Due to exceptional digital scanning hardware capabilities, CO₂RE offers a 6th application, Fusion - a unique scan pattern that combines treatment depths and intensity of thermal injuries to optimize treatment in the epidermis and dermis simultaneously.

While other CO₂ systems require either a change in handpieces or a change in lenses to switch between superficial and dermal ablative modes, CO₂RE's Scanning and Fusion mode provide a "tunable" superficial to deep ablation in a single scan pass.

System Features:

- Intuitive touch-screen interface displays treatment geometries & selections
- Programmed to learn as you work
- Monitors its own performance
- Stores and automatically recalls preferences
- Modes that deliver optimal tissue damage in depth and density
- New! Free Hand surgical abilities

Featherweight Articulated Arm:

- Continuous beam centering for reproducible treatment patterns
- Minimizes operator fatigue
- New! Surgical Handpiece for use with the Free Hand software mode

Digital SuperPulsed Laser:

- Delivers the complete matrix of ablative pulses with exceptional speed and precision
- Rapidly varies the laser energy for multi-level treatment capabilities
- High performance design for extreme reliability and long service life

High Precision Inboard Scanner:

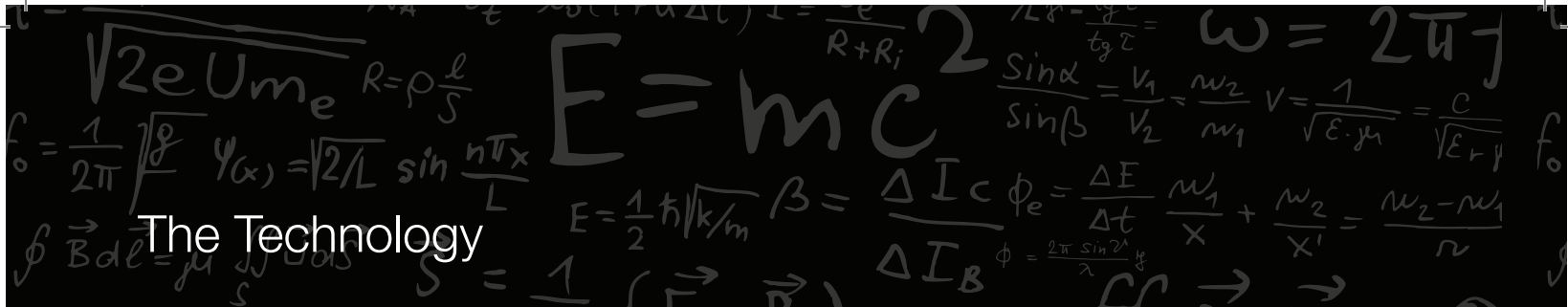
- Digitally synchronized with the Laser Pulse Generator
- Changes the position and depth of injury hundreds of times per second
- Allows different parts of the same scan matrix to be placed at different depths
- True CW Operating Mode (Surgical Mode) - Steady energy emission for effective skin coagulation after the cut
- Unique 5 - 10 W power allows for a much gentler and finer cut
- 0.5 - 0.75 mm circular scanning spot size

CO₂RE Inside Advantage

CO₂RE is engineered to deliver a unique set of pattern generation capabilities that translate into more treatment options for a wider range of patient needs.



CO₂RE™



The Technology

Science that Builds Success

CO₂RE positions your practice for growth through proven, predictable results, increased patient satisfaction and the ability to differentiate yourself with a truly unique treatment offering. Initial cost of ownership is very favorable compared to other CO₂ systems, and has no ongoing disposable costs.

Maximize your investment with clinical in-service training and marketing support plus the confidence that comes with excellent warranty coverage and service support.

Clinical Results



Before



3 months post 1 treatment
Dinesh Maini, MD



Before



3 months post 1 treatment
Steven Eubanks, MD



Before



Post 1 treatment
Alain Braun, MD



Before



6 weeks post 1 treatment
E. Victor Ross, MD



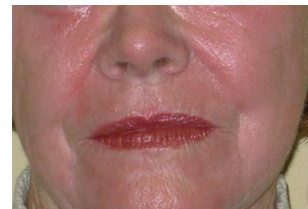
Before



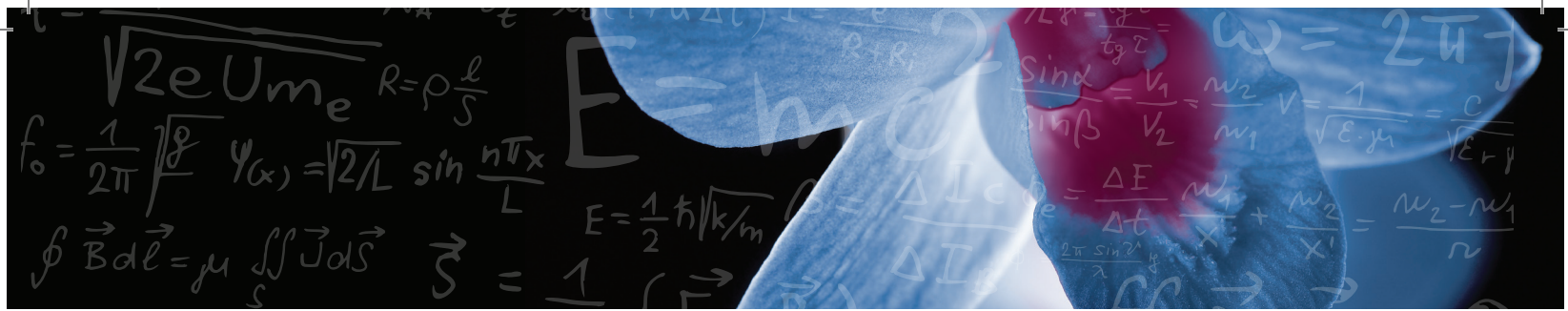
Post 3 treatments
Alain Braun, MD



Before

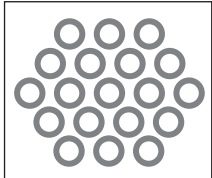
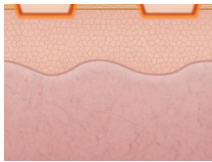
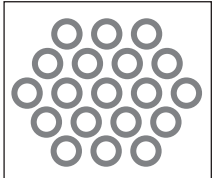
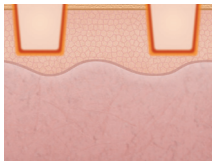
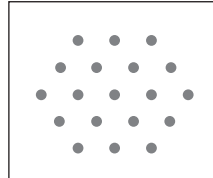
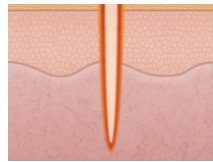
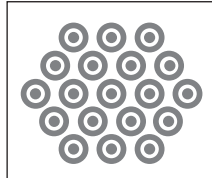
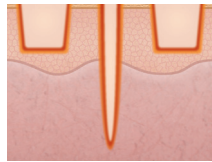
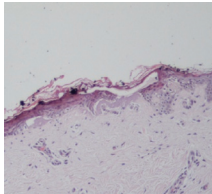
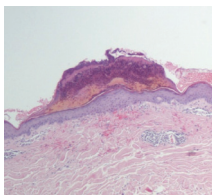
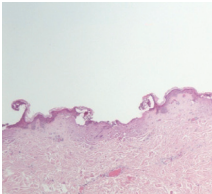
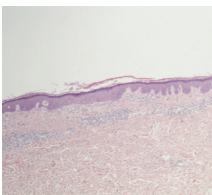
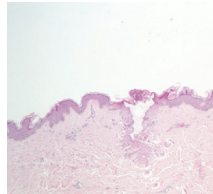
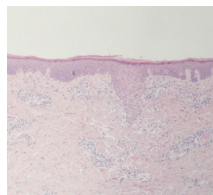
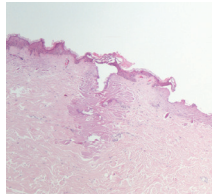
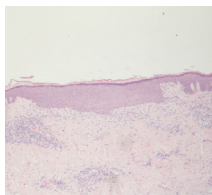


7 days post 1 treatment
Craig Mezrow, M.S., M.D., F.A.C.S.

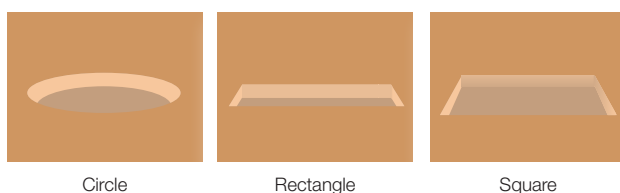


CO₂RE Innovation: Variable Treatment Modes

The CO₂RE system provides a total of six different treatment modes including four fractional ablative treatment modes and pattern shapes, a traditional resurfacing mode, and an excision mode that includes defined shape and freehand modes for minor dermal excisions.

Program	CO ₂ RE Light	CO ₂ RE Mid	CO ₂ RE Deep	CO ₂ RE Fusion
Description	Provides superficial fractional treatments in the epidermis increasing epidermal cell proliferation.	Penetrates more deeply for a stronger fractional ablative effect, producing additional coagulated tissue below the dermal-epidermal junction.	Penetrates through to the dermis for the deepest fractional ablative effect, surrounded with significant coagulated tissue deeper into the dermis.	Unique scan pattern combines treatment depths and intensity of thermal injuries to optimize treatment in the epidermis and dermis simultaneously.
Pattern	 	 	 	 
Histology	 60 mJ at 0 days  60 mJ at 3 days	 70 mJ at 0 days  70 mJ at 10 days	 50 mJ at 0 days  50 mJ at 10 days	 60 mJ at 0 days  75 mJ at 10 days

Traditional CO₂ Resurfacing Mode Shapes



Circle

Rectangle

Square

Dermal Excision Mode Shapes



Circle

Segment

Freehand

“One of CO₂RE’s advantages is the handpiece, which is very easy to hold. In comparison to other fractional handpieces, the CO₂RE handpiece is thin, lightweight and easy to maneuver around the skin during treatments.”

E. Victor Ross, MD, Dermatologist

CO₂RE's Unique Articulated Arm and New Surgical Handpiece

While many laser systems use articulated arms, none are as light, flexible and comfortable as the featherweight arm created for CO₂RE. Made completely of aluminum and pneumatically balanced, this arm features unique continuous beam centering optics, with 5 degrees of rotational freedom and allows for effortless movement into and out of the patient treatment area:

- CO₂RE's ultra-light, autoclavable treatment handpieces are as unique and special as the articulated arm. Because the laser scanners are inside the base unit and not hanging from the handpiece, each of CO₂RE's high quality machined aluminum treatment handpieces are well balanced, ergonomically shaped, and incredibly light in the hand.
- Full-length fractional handpiece features an enclosed body length with a distance gauge ring at the tip that preserves visibility while providing excellent perpendicular stability.
- Surgical handpiece combines a shortened body length with a narrow tapered tip and extended peg tip distance gauge to provide excellent balance, visibility and fine control of the surgical beam placement and motion.

CO₂RE's unique arm and ergonomic, lightweight handpiece deliver beam placement control and excellent visibility that make them ideal for repeated daily use without fatigue.



Who are Your CO₂RE Patients?

Optimal for Fitzpatrick skin types I-III, CO₂RE is the obvious choice for skin rejuvenation and wrinkle reduction when you and your patients understand the treatment trade-offs of superior, single-treatment results for elevated discomfort and downtime. Flexible and targeted, CO₂RE technology makes this decision easier by helping you deliver predictable and often dramatic results quickly and with less discomfort than some other systems.

CO₂RE System Specifications

Laser Type	CO ₂
Wavelength	10,600 nm
Laser Emission Mode	Pulsed
Output Power	60 watts (maximum peak)
Laser Beam Energy	Variable from 1 - 90 mJ
Pulse Repetition Rate	Up to 16.7 kHz
Pulse Duration	20 - 3000 µsec
Power Stability	± 1.5 watts (±5%)
Mode Quality (M ²)	< 1.2
Beam Size	Ø 1.8 ± 0.5 mm
Beam Divergence	7.5 ± 0.5 mrad (full angle)
Polarization	> 100:1 linear (orthogonal to mounting pads)
Maximum Scan Area	10 mm diameter
Aiming Laser	5 mW, 650 nm (red) diode laser
Articulated Arm	<ul style="list-style-type: none"> Lightweight, aluminum fiber, 7-joint, pneumatically balanced Treatment radius at full arm extension: 85 cm (33.5") Horizontal rotation: 360°
Lens Assemblies	150 µm spot size 120 µm spot size (optional)
Handpiece	Multi-use or surgical hand piece
User Interface	10.4" high-resolution color LCD Touch-screen technology

Laser Emission Control	Footswitch
Laser Emission Indicators	<ul style="list-style-type: none"> Solid amber LED in Standby and Ready modes Flashing red LED during laser emission
Electrical Requirements	100 - 240 VAC self-sensing, 50/60 Hz, 7.1 A, single phase
Dimensions	40 cm x 44 cm x 177 cm (15.75" x 17.3" x 70")
Weight	26 kg (58 lbs)

Operating Modes

Mode	Energy Settings	Fractional Coverage	Estimated Ablation Depth
CO ₂ RE Light	18 - 74.5 mJ	30 - 50%	20 - 40 µm
CO ₂ RE Mid	45 - 257 mJ	20 - 40%	100 - 200 µm
CO ₂ RE Deep	30 - 70 mJ	1 - 5%	500 - 750 µm
CO ₂ RE Fusion	45 - 128 mJ 30 - 70 mJ	20 - 40%	100 - 200 µm & 500 - 750 µm
Classic Resurfacing	1 - 10 mJ	Full	100 - 200 µm
Dermal Excision	5 - 40 mJ	N/A	0.2 mm x selected line 0.2 mm freehand





Science. Results. Trust.

Syneron and Candela are the global leaders in the aesthetic medical device marketplace.

We are one company with two distinctive brands. We combine a level of innovation, expertise and customer understanding superior to that of any company in our industry.

Financial stability, through our aligned resources, allows our new company to offer customers the broadest available product portfolio, the best global service organization and an expansive worldwide distribution network.

Together, we are more market responsive than ever before. We know how to quickly innovate safe and effective products to meet a variety of needs and price points. We are even stronger at anticipating future market trends to help support our customers and their patients. With new breakthrough technologies currently in the pipeline, we are ideally positioned to maintain our global leadership and continue to help you grow your practice.

Syneron and Candela have offices and distributors around the world.

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