

# CO<sub>2</sub>RE®

## Complete platform for your patients' needs

Versatile CO<sub>2</sub> laser platform for a wide range of  
conditions



 **CANDELA™**  
Science. Results. Trust.



# A complete CO<sub>2</sub> laser platform designed with your patients in mind

The CO<sub>2</sub>RE system is a highly versatile fractional CO<sub>2</sub> laser engineered to assist you in performing procedures requiring the excision, incision, ablation, coagulation, and resurfacing of soft tissue.

## Optimal reliability and high performance

- Featherweight handpiece and articulated arm minimizes physician fatigue
- Wide selection of handpieces and lenses
- Intuitive touch-screen interface
- Precision inboard scanner is digitally synchronized with the laser pulse generator
- Compact, quiet, and easily mobile

## Six treatment modes allow for precise and individualized treatments

4 **fractional ablative** treatment modes  
+ 4 pattern shapes

1 classic resurfacing mode

1 surgical mode + defined shape and freehand modes for minor dermal excisions

The CO<sub>2</sub>RE system gives you the ability to treat both superficial and deep skin layers simultaneously with precision control over the intensity, pattern, and depth of ablation, with a single platform. You'll also experience the versatility of 3 modules—Aesthetic, Surgical, and Intima—along with a true continuous wave surgical mode for efficient skin coagulation, and laser energy that is rapidly varied to deliver multi-level treatment capabilities.



# Predictable clinical outcomes<sup>5</sup>

## Wrinkles



Baseline

Photos courtesy of Lenka Kucerova, M.D.<sup>®</sup>



Post 1 treatment

## Acne Scars



Baseline

Photos courtesy of Alain Braun, M.D.<sup>®</sup>



Post treatment

## Skin Resurfacing



Baseline

Photos courtesy of Joe Niamtu, III, D.M.D.<sup>®</sup>



Post treatment

## Anti-Aging Arms



Baseline

Photos courtesy of Jill Waibel, M.D.<sup>®</sup>



Post treatment

## Surgical Scar



Baseline

Photos courtesy of Neil Shah, M.D.<sup>®</sup>



Post treatment

## Mohs Surgical Scar



Baseline

Photos courtesy of Joel Cohen, M.D.<sup>®</sup>



Post treatment

## Periocular and Full Face Resurfacing



Baseline

Photos courtesy of Joe Niamtu, III, D.M.D.<sup>®</sup>



Post treatment

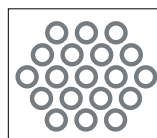
Photos are unretouched. Individual results may vary



### SYSTEM SPECIFICATIONS

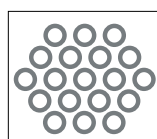
Laser Type	CO <sub>2</sub>
Wavelength	10,600nm
Laser Emission Mode	Pulsed
Output Power	60 watts (maximum peak)
Laser Beam Energy	Variable from 1-70 mJ
Pulse Repetition Rate	Up to 16.7 kHz
Pulse Duration	2-1166 µsec
Power Stability	± 1.5 watts (±5%)
Mode Quality (M <sup>2</sup> )	< 1.2
Beam Size	Ø 1.8 ± 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	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
Laser Emission Control	Footswitch
Laser Emission Indicators	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)

### Unique pattern-generation capabilities for more treatment options



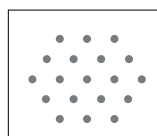
#### CO<sub>2</sub>RE Light

Provides superficial fractional treatments in the epidermis, increasing epidermal cell proliferation.



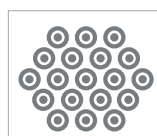
#### CO<sub>2</sub>RE Mid

Penetrates more deeply for a stronger fractional ablative effect, treating tissue below the dermal-epidermal junction.



#### CO<sub>2</sub>RE Deep

Penetrating to dermal tissue for deepest fractional effect of combined ablation and coagulation.



#### CO<sub>2</sub>RE Fusion

Unique scan pattern combines treatment depths and intensity of thermal injuries to optimize treatment in the epidermis and dermis simultaneously.



**For more information** on the CO<sub>2</sub>RE platform and Intima, including product specifications, contact your Candela sales professional or visit [candelamedical.com](http://candelamedical.com)

1. CO<sub>2</sub>RE Laser System 510(k) clearance (K181523), September 2015. 2. Mehlberg MJ. Rhinophyma—CO<sub>2</sub>RE Laser. Candela, data on file, 2015. 3. Friedman D. Ablative fractional skin resurfacing and facial scar reduction with the CO<sub>2</sub>RE device. Candela, data on file, 2015. 4. Arroyo C. CO<sub>2</sub>RE laser for burn scar and striae distensae patients. Candela, data on file, 2016. 5. CO<sub>2</sub>RE before and after photos. Candela, data on file. a. Photos are unretouched. Individual results may vary.