**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, retinol and scar reduction, traditional ablation and minor surgical applications! 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.

CO₂RE is the first system to emerge since the merger between Candela and Syneron – two industry leaders renowned for their portfolio of gold standard technologies and unparalleled service.

---

**CO₂RE System Specifications**

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Laser Type</td>
<td>CO₂</td>
</tr>
<tr>
<td>Wavelength</td>
<td>10,600 nm</td>
</tr>
<tr>
<td>Laser Emission Mode</td>
<td>Pulsed</td>
</tr>
<tr>
<td>Output Power</td>
<td>60 watts (maximum peak)</td>
</tr>
<tr>
<td>Laser Beam Energy</td>
<td>Variable from 1 - 90 mJ</td>
</tr>
<tr>
<td>Pulse Repetition Rate</td>
<td>Up to 16.7 kHz</td>
</tr>
<tr>
<td>Pulse Duration</td>
<td>20 - 3000 µsec</td>
</tr>
<tr>
<td>Power Stability</td>
<td>± 1.5 watts (±5%)</td>
</tr>
<tr>
<td>Mode Quality (M²)</td>
<td>&lt; 1.2</td>
</tr>
<tr>
<td>Beam Size Ø</td>
<td>1.8 ± 0.5 mm</td>
</tr>
<tr>
<td>Beam Divergence</td>
<td>7.5 ± 0.5 mrad (full angle)</td>
</tr>
<tr>
<td>Polarization</td>
<td>&gt; 100:1 linear (orthogonal to mounting pads)</td>
</tr>
<tr>
<td>Maximum Scan Area</td>
<td>10 mm diameter</td>
</tr>
<tr>
<td>Aiming Laser</td>
<td>5mW, 650nm (red) diode laser</td>
</tr>
<tr>
<td>Articulated Arm</td>
<td>Lightweight, aluminum fiber, 7-joint, pneumatically balanced</td>
</tr>
<tr>
<td>Treatment radius at full arm extension</td>
<td>85 cm (33.5”)</td>
</tr>
<tr>
<td>Horizontal rotation</td>
<td>360°</td>
</tr>
<tr>
<td>Lens Assemblies</td>
<td>150 µm spot size, 120 µm spot size (optional), 195 µm spot size (optional)</td>
</tr>
<tr>
<td>Handpiece</td>
<td>Multi-use</td>
</tr>
<tr>
<td>User Interface</td>
<td>10.4” high-resolution color LCD</td>
</tr>
<tr>
<td>Touch-screen technology</td>
<td></td>
</tr>
<tr>
<td>Laser Emission Control Footswitch</td>
<td></td>
</tr>
<tr>
<td>Laser Emission Indicators</td>
<td>Solid amber LED in Standby and Ready modes, Flashing red LED during laser emission</td>
</tr>
<tr>
<td>Electrical Requirements</td>
<td>100 - 240 VAC self-sensing, 50/60 Hz, 7.1 A, single phase</td>
</tr>
<tr>
<td>Dimensions</td>
<td>40 cm x 44 cm x 177 cm (15.75” x 17.3” x 70”)</td>
</tr>
<tr>
<td>Weight</td>
<td>26 kg (58 lbs)</td>
</tr>
</tbody>
</table>

**Operating Modes**

<table>
<thead>
<tr>
<th>Mode</th>
<th>Energy Settings</th>
<th>Estimated Ablation Depth</th>
</tr>
</thead>
<tbody>
<tr>
<td>CO₂RE Light</td>
<td>30 - 60 mJ</td>
<td>30 - 50% 30 - 60 µm</td>
</tr>
<tr>
<td>CO₂RE Mid</td>
<td>60 - 90 mJ</td>
<td>20 - 40% 60 - 100 µm</td>
</tr>
<tr>
<td>CO₂RE Deep</td>
<td>50 - 80 mJ</td>
<td>1 - 5% 500 - 750 µm</td>
</tr>
<tr>
<td>CO₂RE Fusion</td>
<td>60 - 90 mJ</td>
<td>20 - 40% 60 - 100 µm &amp; 500 - 750 µm</td>
</tr>
<tr>
<td>Classic Ablative</td>
<td>1 - 10 mJ</td>
<td>Full 100 - 200 µm</td>
</tr>
<tr>
<td>Surgical</td>
<td>10 - 50 mJ</td>
<td>n/a Line: 6 x 0.2 mm</td>
</tr>
</tbody>
</table>

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**CO₂RE Fractional CO₂ Resurfacing System**

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Wayland, Massachusetts 01778
USA
Tel: 508.358.7400
Email: info@candelalaser.com
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* The use of surgical modes in the United States is under investigation.

---

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CO2RE is the versatile fractional CO2 system that enables you to provide targeted and efficiently treat the skin’s surface, middle and deep dermal levels, plus perform traditional CO2 resurfacing and laser excision of lesions.

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<th>CO2RE Mid</th>
<th>CO2RE Deep</th>
<th>CO2RE Fusion</th>
</tr>
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<tbody>
<tr>
<td>Fractional</td>
<td>30 - 60 mJ</td>
<td>30 - 50%</td>
<td>30 - 60 µm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Coverage</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
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<td></td>
<td></td>
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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 and service support.

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 tradeoffs 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.

Who are Your CO2RE Patients?

- **Perioral Wrinkles**: Optimal for frown lines and nasolabial folds.
- **Periorbital Wrinkles**: Ideal for fine lines around the eyes.
- **Crow’s Feet**: Effective for moderate to severe glabellar lines.

---

**Clinical Results**

**Personal Wrinkles**

*Before* 4-6 weeks post 1 treatment

*After*

**Periorbital Wrinkles**

*Before* 4-6 weeks post 1 treatment

*After*

**Crow’s Feet**

*Before* 6-8 weeks post 1 treatment

*After*

---

**CO2RE Innovation: Variable Treatment Modes**

The CO2RE system provides a total of seven different treatment modes including four fractional ablative treatment modes and pattern shapes, a traditional resurfacing mode, and two cutting modes including defined cut and freehand mode for minor surgical applications.

**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.

**Digital SuperPulsed Laser**
- Delivers the complete range of ablative treatments for skin rejuvenation
- Rapidly delivers the laser energy for multi-level treatment capabilities
- High performance design for excellent reliability and long service life

**High Precision Inboard Scanner**
- Digitally synchronized with the Laser Pulse Generator
- Consistent treatment geometries provide uniformity in thermal injury patterns

**System Features**

- Touch-screen interface - displays treatment geometries & selections
- Programmed to learn as you work
- Monitors its own performance - stores and automatically recalls preferences
- Reduces touch-screen interface
- Simplifies its core performance

**CO2RE Light**

- Provides superficial fractional treatments in the epidermis increasing epidermal cell proliferation
- 60 mJ at 0 days
- 60 mJ at 3 days

**CO2RE Mid**

- Penetrates more deeply for a stronger fractional ablative effect, producing additional coagulated tissue border (dermal-epidermal junction) with significant cell death
- 70 mJ at 0 days
- 70 mJ at 10 days

**CO2RE Deep**

- Penetrates through to the dermis for the deepest fractional ablative effect, surrounded with significant coagulated tissue deeper into the dermis
- 50 mJ at 0 days
- 50 mJ at 10 days

**CO2RE Fusion**

- Unique scan pattern combines treatment depths and intensity of thermal injuries to optimize treatment in the epidermis and dermis simultaneously
- 60 mJ at 0 days
- 75 mJ at 10 days

---

**System Features**

- Touch-screen interface - displays treatment geometries & selections
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Science that Builds Success

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Innovative Design

Who are Your CO2RE Patients?

Optimal for Fitzpatrick skin types III-IV, CO2RE is the obvious choice for skin rejuvenation and visible reduction when you and your patients understand the treatment tradeoffs 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.

Clinical Results

Perioral Wrinkles

Before

After

4-6 weeks post 1 treatment

Periorbital Wrinkles

Before

After

4-6 weeks post 1 treatment

Who are Your CO2RE Patients?

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CO2RE Inside Advantage

CO2RE Innovation: Variable Treatment Modes

Traditional CO2 Resurfacing Mode Shapes

Circle Rectangle Square

Surgical Cut Mode Shapes

Circle Segment Freehand

The CO2RE system provides a total of seven different treatment modes including four fractional ablative treatment modes and pattern shapes, a traditional resurfacing mode, and two cutting modes including defined cut and freehand mode for minor surgical applications.

CO2RE Evolution: Variable Treatment Modes

CO2RE Evolution: Variable Treatment Modes

CO2RE Light

CO2RE Mid

CO2RE Deep

CO2RE Fusion

System Features:

• Modular touch-screen interface
• Adjustable treatment generation, &<object>
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• Minimizes its base performance
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CO2RE Light Program

CO2RE Mid

CO2RE Fusion

CO2RE Light Program

CO2RE Mid

CO2RE Fusion

Digital SuperPulsed Laser:

• Delivers the complete matrix of ablative thermal injuries
• Rapidly scales the laser energy for multi-level treatment capabilities
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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 pattern to be placed at different depths

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Unique Opportunity

Panoramic Articulated Arm:

• Continuous beam centering for reproducible treatment
• Minimizes operator fatigue

System Features:

• Modular touch-screen interface
• Adjustable treatment generation, &
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Who are Your CO²RE Patients?

Optimal for Fitzpatrick skin types III-V, CO²RE’s versatility makes it the treatment of choice for a wide variety of skin rejuvenation and wrinkle reduction needs.

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 Innovation: Variable Treatment Modes

The CO²RE system provides a total of seven different treatment modes including four fractional ablative treatment modes and pattern shapes, a traditional resurfacing mode, and two cutting modes including defined cut and freehand mode for minor surgical applications.

CO²RE Inside Advantage

Featherweight Articulated Arm: Continuous beam centering for reproducible treatment patterns, minimizes operator fatigue.

System Features:
- Multifaceted touch-screen interface: intuitive treatment generation & programming
- Programmable to learn as you work
- Monitors its own performance & minimizes operator fatigue

CO²RE Innovation: Variable Treatment Modes

Digital SuperPulsed Laser:
- Delivers the complete matrix of ablative treatment capabilities
- Rapidly varies the laser energy for multi-level treatment capabilities
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The CO²RE system provides a total of seven different treatment modes including four fractional ablative treatment modes and pattern shapes, a traditional resurfacing mode, and two cutting modes including defined cut and freehand mode for minor surgical applications.

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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 surgical applications. 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.

CO2RE is the first system to emerge since the merger between Candela and Syneron — two industry leaders renowned for their portfolio of gold standard technologies and unrivaled service.

CO2RE System Specifications

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Laser Type</td>
<td>CO2</td>
</tr>
<tr>
<td>Wavelength</td>
<td>10,600 nm</td>
</tr>
<tr>
<td>Laser Emission Mode</td>
<td>Pulsed</td>
</tr>
<tr>
<td>Output Power</td>
<td>60 watts (maximum peak)</td>
</tr>
<tr>
<td>Laser Beam Energy</td>
<td>Variable from 1 - 90 mJ</td>
</tr>
<tr>
<td>Pulse Repetition Rate</td>
<td>Up to 16.7 kHz</td>
</tr>
<tr>
<td>Pulse Duration</td>
<td>20 - 3000 µsec</td>
</tr>
<tr>
<td>Power Stability</td>
<td>± 1.5 watts (±5%)</td>
</tr>
<tr>
<td>Mode Quality (M²)</td>
<td>&lt; 1.2</td>
</tr>
<tr>
<td>Beam Size</td>
<td>Ø 1.8 ±0.5 mm</td>
</tr>
<tr>
<td>Beam Divergence</td>
<td>7.5 ±0.5 mrad (full angle)</td>
</tr>
<tr>
<td>Polarization</td>
<td>&gt; 100:1 linear (orthogonal to mounting pads)</td>
</tr>
<tr>
<td>Maximum Scan Area</td>
<td>10 mm diameter</td>
</tr>
<tr>
<td>Aiming Laser</td>
<td>5mW, 650nm (red) diode laser</td>
</tr>
<tr>
<td>Articulated Arm</td>
<td>Lightweight, aluminum fiber, 7-joint, pneumatically balanced</td>
</tr>
<tr>
<td>Treatment Radius</td>
<td>85 cm (33.5&quot;)</td>
</tr>
<tr>
<td>Horizontal Rotation</td>
<td>360°</td>
</tr>
<tr>
<td>Lens Assemblies</td>
<td>150 µm spot size</td>
</tr>
<tr>
<td></td>
<td>120 µm spot size (optional)</td>
</tr>
<tr>
<td></td>
<td>195 µm spot size (optional)</td>
</tr>
<tr>
<td>Handpiece</td>
<td>Multi-use</td>
</tr>
<tr>
<td>User Interface</td>
<td>10.4&quot; high-resolution color LCD</td>
</tr>
<tr>
<td></td>
<td>Touch-screen technology</td>
</tr>
<tr>
<td>Laser Emission Control</td>
<td>Footswitch</td>
</tr>
<tr>
<td></td>
<td>Indicators</td>
</tr>
<tr>
<td></td>
<td>Solid amber LED in Standby and Ready modes</td>
</tr>
<tr>
<td></td>
<td>Flashing red LED during laser emission</td>
</tr>
<tr>
<td>Electrical Requirements</td>
<td>100 - 240 VAC self-sensing, 50/60 Hz, 7.1 A, single phase</td>
</tr>
<tr>
<td>Dimensions</td>
<td>40 cm x 44 cm x 177 cm (15.75&quot; x 17.3&quot; x 70&quot;)</td>
</tr>
<tr>
<td>Weight</td>
<td>26 kg (58 lbs)</td>
</tr>
</tbody>
</table>

Operating Modes

<table>
<thead>
<tr>
<th>Mode</th>
<th>Energy Range</th>
<th>Coverage</th>
<th>Estimated Ablation Depth</th>
</tr>
</thead>
<tbody>
<tr>
<td>CO2RE Light</td>
<td>30 - 60 mJ</td>
<td>30 - 50%</td>
<td>30 - 60 µm</td>
</tr>
<tr>
<td>CO2RE Mid</td>
<td>60 - 90 mJ</td>
<td>20 - 40%</td>
<td>60 - 100 µm</td>
</tr>
<tr>
<td>CO2RE Deep</td>
<td>50 - 80 mJ</td>
<td>1 - 5%</td>
<td>500 - 750 µm</td>
</tr>
<tr>
<td>CO2RE Fusion</td>
<td>60 - 90 mJ</td>
<td>20 - 40%</td>
<td>60 - 100 µm &amp; 500 - 750 µm</td>
</tr>
<tr>
<td>Classic Ablative</td>
<td>1 - 10 mJ</td>
<td>Full</td>
<td>100 - 200 µm</td>
</tr>
<tr>
<td>Surgical</td>
<td>10 - 50 mJ</td>
<td>n/a</td>
<td>Line: 6 x 0.2 mm</td>
</tr>
</tbody>
</table>

* The use of surgical modes in the United States is under investigation.