A Trusted Path to Outstanding Outcomes

Deep skin resurfacing
Courtesy of Suzanne L. Kilmer, MD

Before
After

Scar revision
Courtesy of Jill S. Waibel, MD

Before
After

Periorbital skin resurfacing
Courtesy of J. Kevin Duplechain, MD

Before
After

Scar revision
Courtesy of Jill S. Waibel, MD

Before
After

“I feel that I can safely treat my patients more aggressively with the UltraPulse, something I would not attempt with other CO₂ laser systems”
—Dr. Girish Munavalli, Dermatologist

“With UltraPulse’s SCAAR FX, I am able to treat deep skin conditions, like hypertrophic scars, with the results of enhanced skin condition and improved quality of life for patients. SCAAR FX has the unique combination of short pulse durations and high energy which enables deep, precise and effective treatment.”
—Dr. Matteo Tretti Clementoni, Plastic Surgeon
## Specifications

<table>
<thead>
<tr>
<th>Indication</th>
<th>UltraPulse®</th>
</tr>
</thead>
<tbody>
<tr>
<td>PLATFORM</td>
<td>UltraPulse® DeepFX®, ActiveFX®, TotalFX®</td>
</tr>
</tbody>
</table>

### Technical Specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wavelength</td>
<td>10,600 nm</td>
</tr>
<tr>
<td>Laser Type</td>
<td>UltraPulse® and CW</td>
</tr>
<tr>
<td>Power to Tissue</td>
<td>60 W</td>
</tr>
<tr>
<td>Peak Power</td>
<td>240 W</td>
</tr>
<tr>
<td>Spot Size</td>
<td>min. 0.12 mm / max. 2.0 mm TrueSpot™</td>
</tr>
<tr>
<td>Scan Size</td>
<td>Up to 15 x 15 mm</td>
</tr>
<tr>
<td>Density per Scan</td>
<td>fractional: 1-82%, full ablative: &gt;100%</td>
</tr>
</tbody>
</table>

### Full Resurfacing Capabilities
- yes

### Fractional Capabilities
- yes

### Incisional Capabilities
- yes

### Excisional Capabilities
- yes

### Aiming Beam
- 5 mW red diode laser, 635 nm, adjustable intensity

### Beam Delivery
- Articulated arm w/240 cm (94.5 in) reach, 360° rotation

### Memory Setting
- 3

### Cooling
- Self-contained, closed cycle

### Warranty and Coverage
- 1 Year standard

### Recommended Passes/Treatment
- 1

### Platform Specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electrical</td>
<td>100 – 240 VAC, 20 A max., 50/60 Hz</td>
</tr>
<tr>
<td>Weight</td>
<td>128 kg (280 lbs)</td>
</tr>
<tr>
<td>Dimensions (WxDxH)</td>
<td>34 cm x 51 cm x 144-195 cm (13.6 x 20 x 57-77 in)</td>
</tr>
</tbody>
</table>
UltraPulse®

The most powerful CO₂ laser in aesthetic medicine
UltraPulse®

The most powerful CO₂ laser in aesthetic medicine

Stretching the limits of performance

UltraPulse® can penetrate deeper than any aesthetic CO₂ laser. Combined with great versatility, this makes UltraPulse® perfect for both everyday procedures and the thick and complex lesions.

**DeepFX™ | ActiveFX™ Fractional Modes**
- Great versatility and precision for all your resurfacing needs
- CoolScan™ technology for enhanced patient comfort

**Exceptional Ablation/Coagulation Ratio**
- Optimal clinical outcomes with minimal excess heating
- Proven efficacy in dozens of clinical studies and peer-reviewed publications

**Deepest Impact with SCAAR FX™ Mode**
- Up to 4mm in a single pulse
- Ideal mode for treating deep, thick lesions

**Shortest Pulse Duration**
- Faster than the tissue relaxation time
- Minimizing thermal damage
Highly Advanced Scanners
For Maximum Versatility, Speed and Efficacy

<table>
<thead>
<tr>
<th>UltraPulse® Configuration</th>
<th>Treatment Mode</th>
<th>Description</th>
<th>Spot Size and Distribution</th>
</tr>
</thead>
<tbody>
<tr>
<td>DeepFX™</td>
<td>DeepFX™</td>
<td>Deep impact for treating wrinkles, acne scars and other deep cosmetic lesions</td>
<td><img src="image" alt="0.12 mm" /></td>
</tr>
<tr>
<td></td>
<td>SCAAR FX™</td>
<td>Deepest impact in a single pulse for treating thick, complex lesions</td>
<td><img src="image" alt="0.12 mm" /></td>
</tr>
<tr>
<td>ActiveFX™</td>
<td>PigmentFX™</td>
<td>Low, sub-ablative fluence for mild treatment of dyschromia</td>
<td><img src="image" alt="1.3 mm" /></td>
</tr>
<tr>
<td></td>
<td>ActiveFX™/MaxFX™</td>
<td>Wide range of settings, including the CO₂ Lite™, ActiveFX Gentle™, ActiveFX™ and MaxFX™ modes, for full and fractional treatment of texture and pigment inconsistencies</td>
<td><img src="image" alt="0.12 mm and 1.3 mm" /></td>
</tr>
<tr>
<td>TotalFX™</td>
<td>All of the above</td>
<td>A full range of treatment possibilities, from mildest to the most aggressive – all in one</td>
<td><img src="image" alt="0.12 mm and 1.3 mm" /></td>
</tr>
<tr>
<td>Any</td>
<td>PreciseFX™</td>
<td>Collimated 2.0mm handpiece for fast and precise tissue ablation and coagulation with consistent fluence</td>
<td><img src="image" alt="2.0 mm" /></td>
</tr>
<tr>
<td>Any</td>
<td>IncisionFX™</td>
<td>0.2mm focused handpiece for clean, precise incisions</td>
<td><img src="image" alt="0.2 mm" /></td>
</tr>
</tbody>
</table>
UltraPulse® State of The Art Technology

Exceptional ablation/coagulation ratio

When ablation depth is equal, more energy means more excess heat in the tissue. UltraPulse® technology enables the deepest penetration with the lowest energy. This reduces patient discomfort, downtime and thermal damage.

UltraPulse® also enables the shortest pulses per energy level further enhancing patient comfort.

Warnings and risks

CO₂ lasers are intended solely for use by physicians trained in the use of the Carbon Dioxide laser (10.6 μm) wavelength. Incorrect treatment settings or misuse of the technology can present risk of serious injury to patient and operating personnel. Risks that may be associated with any CO₂ laser procedure may include change of pigmentation, infection, erythema, skin induration or scarring. Read and understand the CO₂ systems and accessories operator manuals for a complete list of intended use, contraindications and risks. The use of Lumenis® CO₂ laser is contraindicated where a patient has taken Accutane (Isotretinoin) within the past 6-12 months, has a history of keloid formation and demonstrate excessive or unusually prolonged erythema.