



UltraPulse

Above and Beyond



The most powerful
CO₂ laser in
aesthetic medicine

UltraPulse®

Above and Beyond

Inner confidence is a reflection of how patients perceive their outer appearance. For patients seeking skin rejuvenation, the ultimate goal is to look and feel younger. Patients wishing to reverse a painful memory associated with a scar can now dream about a chance for a new beginning.

UltraPulse is designed to resurface the skin and reverse the effects of the environment, time, and natural aging. Its unrivaled deep reach is engineered to offer hope and provide life-changing results in the treatment of thick scars and lesions.

The result... restored youth and remarkable outcomes with a precise, proven technology that goes Above and Beyond to exceed expectations.



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 as well as 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

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

I feel that I can safely treat my patients more aggressively with the UltraPulse, something I would not attempt with other CO₂ laser systems.

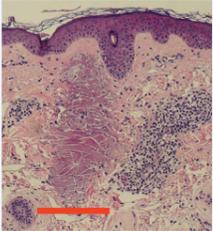
Dr. Girish Munavalli, Dermatologist

UltraPulse

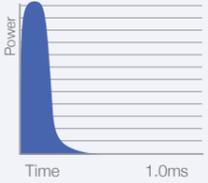
State of The Art Technology

UltraPulse

- ▶ Highest peak power
- ▶ Deepest impact
- ▶ Narrow, controlled thermal zone



UltraPulse DeepFX Mode
10mJ, 120µm spot/3 days post



Time 1.0ms

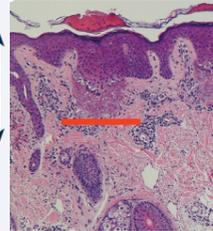


Up to 4mm in a single pulse

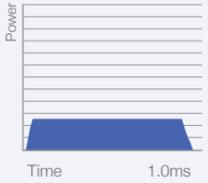
Not indicative of clinical results
photo courtesy of Girish Munavalli, MD

Continuous Wave (CW)

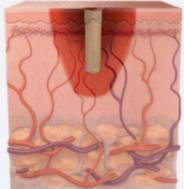
- ▶ Low peak power
- ▶ Superficial impact
- ▶ Wider thermal zone



Continuous Wave Lasers
10mJ, 120µm spot/3 days post



Time 1.0ms

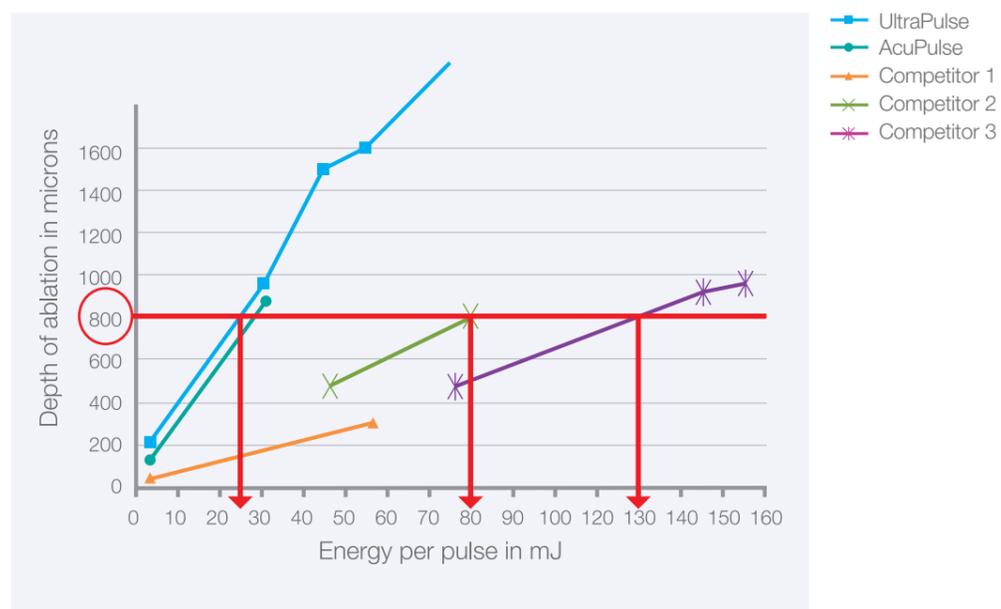


Not indicative of clinical results
photo courtesy of Girish Munavalli, MD

Exceptional ablation/coagulation ratio

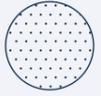
When ablation depth is equal, more energy means more excess heat in the tissue. UltraPulse technology enables the deepest penetration with the lowest energy. This reduces patient discomfort, downtime and thermal damage.

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



Highly Advanced Scanners and Delivery Systems

For Maximum Versatility, Speed and Efficacy

UltraPulse Configuration	Treatment Mode	Description	Spot Size and Distribution
	DeepFX™	Deep impact for treating wrinkles, acne scars and other deep cosmetic lesions	 <p>● 0.12 mm</p>
	SCAAR FX™	Deepest impact in a single pulse for treating thick, complex lesions	
	PigmentFX™	Low, sub-ablative fluence for mild treatment of dyschromia	 <p>● 1.3 mm</p>
	ActiveFX™ / MaxFX™	Wide range of settings, including the CO ₂ Lite™, ActiveFX Gentle™, ActiveFX™ and MaxFX™ modes, for full and fractional treatment of texture and pigment inconsistencies	
Any	PreciseFX™	Collimated 2.0mm handpiece for fast and precise tissue ablation and coagulation with consistent fluence	 <p>● 2.0 mm</p>
Any	IncisionFX™	0.2mm & 1.0mm focused for clean, precise incisions	

A Trusted Path to Outstanding Outcomes

Deep skin resurfacing



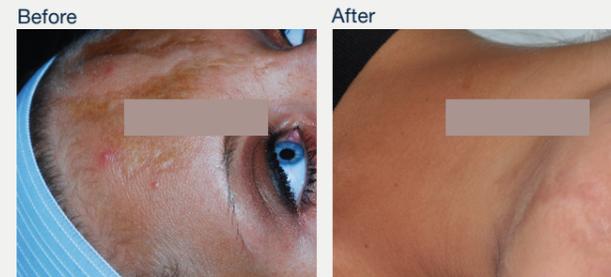
Courtesy of Suzanne L. Kilmer, MD

Periorbital skin resurfacing



Courtesy of J. Kevin Duplechain, MD

Scar revision



Courtesy of Jill S. Waibel, MD



Courtesy of Jill S. Waibel, MD



Your journey with Lumenis has just begun.

We want your business to grow with UltraPulse®. That's why we have put together a support package that begins with the first conversation and will stay with you as your business begins to see the benefits. We provide a support package which ensures that you have all the training you need and receive the most up to date clinical materials.



Specifications

Platform	UltraPulse DeepFX™, ActiveFX™, TotalFX™
Technical Specifications	
Wavelength	10,600 nm
Laser Type	UltraPulse and CW
Power to Tissue	60 W
Peak Power	240 W
Spot Size	min. 0.12 mm / max. 2.0 mm TrueSpot™
Scan Size	Up to 15 x 15 mm
Density per Scan	fractional: 1-82%, full ablative: >100%
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
Cooling	Self-contained, closed cycle
Warranty and Coverage	1 Year standard
Platform Specifications	
Electrical	100–240 VAC, 20 A max., 50/60 Hz
Weight	128 kg (280 lbs)
Dimensions (WxDxH)	34 cm x 51 cm x 144-195 cm (13.6 x 20 x 57-77 in)

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

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