

# UltraPulse®

The most powerful  
CO<sub>2</sub> laser in  
aesthetic medicine



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## Stretching the limits of performance

More powerful, safer and can penetrate deeper than any aesthetic CO<sub>2</sub> laser. Combined with great versatility, this makes UltraPulse® perfect for both everyday procedures and the thickest and most complex lesions.



### DeepFX™ | ActiveFX™ Fractional Modes

- Great versatility and precision for all your resurfacing needs
- CoolScan™ technology for enhanced patient safety and comfort

### Deepest Impact with SCAAR FX™ Mode

- Up to 4mm in a single pulse
- Best available treatment for deep, thick lesions

### Best Ablation/Coagulation Ratio

- Optimal clinical outcomes with minimal excess heating
- Proven efficacy in dozens of clinical studies and peer-reviewed publications

### Shortest Pulse Duration

- Widest safety margin
- Lowest chance of side effects

# A Trusted Path to Superior Outcomes



## Deep skin resurfacing

Courtesy of Suzanne L. Kilmer, MD



Before

After

## Periorbital skin resurfacing

Courtesy of J. Kevin Duplechain, MD



Before

After

## Scar revision

Courtesy of Jill S. Waibel, 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 CO<sub>2</sub> laser systems"*

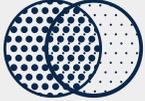
—  
Dr. Girish Munavalli, Dermatologist

*"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

# Highly Advanced Scanners

For Maximum Versatility, Speed and Efficacy

UltraPulse® Configuration	Treatment Mode	Description	Spot Size and Distribution
<b>DeepFX™</b> 	DeepFX™	Deep impact for treating wrinkles, acne scars and other deep cosmetic lesions	 0.12 mm
	SCAAR FX™	Deepest impact for treating thick, complex lesions	
<b>ActiveFX™</b> 	PigmentFX™	Low, sub-ablative fluence for mild treatment of dyschromia	  1.3 mm
	ActiveFX™/MaxFX™	Wide range of settings, including the CO <sub>2</sub> Lite™, ActiveFX Gentle™, ActiveFX™ and MaxFX™ modes, for full and fractional treatment of texture and pigment inconsistencies	
<b>TotalFX™</b> 	All of the above	A full range of treatment possibilities, from mildest to the most aggressive – all in one	  0.12 mm and 1.3 mm
<b>Any</b> 	PreciseFX™	Collimated 2.0mm handpiece for fast and precise tissue ablation and coagulation with consistent fluence	 2.0 mm
<b>Any</b> 	IncisionFX™	0.2mm focused handpiece for clean, precise incisions	 0.2 mm

# UltraPulse® Technology: The Gold Standard

## UltraPulse®

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



UltraPulse DeepFX Mode

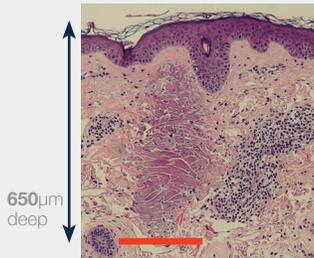


photo courtesy of Girish Munavalli, MD

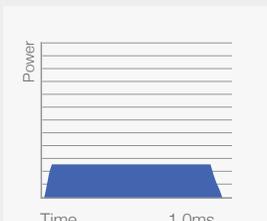


Up to 4mm in a single pulse

10mJ, 120µm spot/3 days post

## Continuous Wave (CW)

- Low peak power
- Superficial impact
- Wider thermal zone



Continuous Wave Lasers

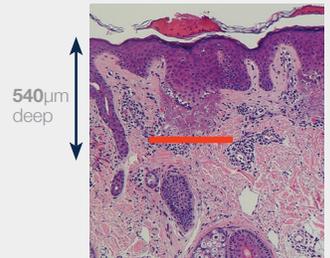
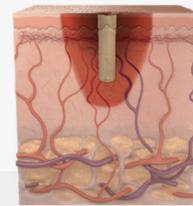


photo courtesy of Girish Munavalli, MD



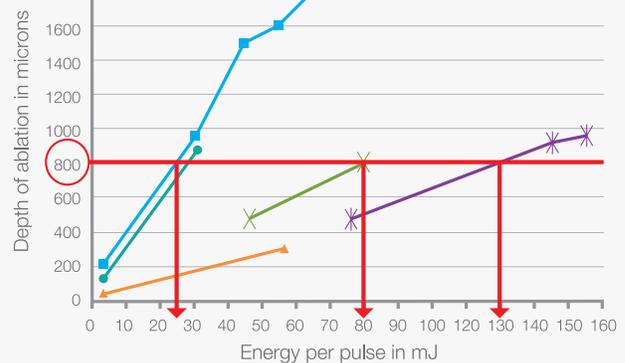
10mJ, 120µm spot/3 days post

## Optimal ablation/coagulation rate

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 risk of side effects.

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

- UltraPulse
- AcuPulse
- Competitor 1
- Competitor 2
- Competitor 3



## Specifications

Indication	UltraPulse®
PLATFORM	UltraPulse® DeepFX™, ActiveFX™, TotalFX™
<b>Technical Specifications</b>	
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%
FDA-cleared Indications	>100
FDA-cleared Aesthetic Indications	34
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
<b>Platform Specifications</b>	
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)

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