

introducing the **AcuPulse™ Fractional CO₂ Laser**
super smart. super simple. SuperPulse™.



introducing the high-peak power, short-pulse duration AcuPulse™ Fractional CO₂ Laser

innovation from the industry leader

Just what you'd expect from the innovators of UltraPulse®. The AcuPulse system is the smart choice among fractional CO₂ lasers. It goes beyond basic continuous-wave (CW) benefits to bring you the added value of high-peak power, short-pulse duration SuperPulse technology. Unsurpassed education, customer service and product support make it the ultimate Lumenis experience at a price that's commensurate with your current needs.

super versatile & precise

Beam scan variety. Five shapes. Nine sizes. Five density settings. All for more than 100 FDA-cleared indications. Variable depth control and scanning precision for optimal reproducibility.

beam scan shapes



super sleek & sophisticated

A personalized login for preferred user interface screens and navigation. Compact size and industrial design. Laser treatment data storage. Smart foot switch. Four-way pivoting casters. Minimal disposables cost. Plug-and-play upgrades.

super simple & state-of-the-art

Touchscreen, color GUI controls. Switch modes with the push of a button. Integrated instruction tools and video tutorials demonstrating accessory assembly. Superior electronic control systems offering unmatched safety features and reproducibility.



this is **it.**

The AcuPulse Fractional CO₂ Laser is the only laser to offer both SuperPulse technology, along with CW, for a range of aesthetic applications. By generating the same energy in a fraction of the time compared to a continuous-wave laser, SuperPulse ablates target tissues quickly, while controlling the amount of lateral thermal damage. So you can reduce patient downtime and discomfort while delivering optimal results. The AcuPulse system also happens to be well within reach. Want to know more?



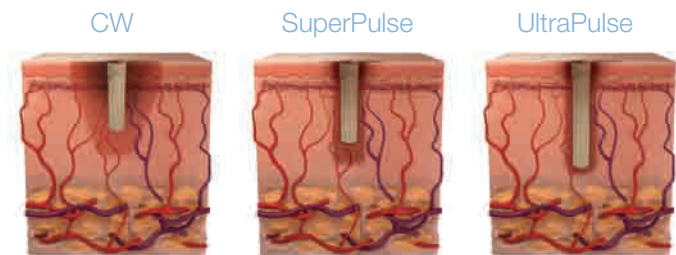
the power of the pulse

Standard CW lasers have long-pulse durations due to their constant low-power profile. These long-pulse durations cause heat conduction in the tissue resulting in wide, inconsistent, conical-shaped zones of thermal damage. While CW lasers allow for maximum tissue involvement, they offer the least amount of consistency and patient comfort.

AcuPulse, a more advanced SuperPulse laser, has high-peak power with short-pulse durations, providing more consistent heating within the thermal zone. The ablation threshold is achieved very quickly and target tissue is ablated with limited thermal damage, providing increased patient comfort and less downtime.

The premium UltraPulse laser provides sustainable high-pulse power, delivering six times more power than most CW lasers. Through extremely short-pulse durations, UltraPulse ablates tissue very quickly, leaving a narrow, controlled amount of thermal damage. With 240 watts of average pulse power to tissue, the UltraPulse can ablate deeper than CW or SuperPulse lasers for indications such as burn scars, while imposing minimal additional thermal damage.

IMPACT OF PULSE MODE ON TREATMENT OUTCOMES



PULSE MODE	CW	SuperPulse	UltraPulse
Pulse Widths	Long	Short	Shortest
Thermal Zone	Widest	Narrow	Narrowest
Discomfort	High	Medium	Low
Downtime	Long	Short	Shortest

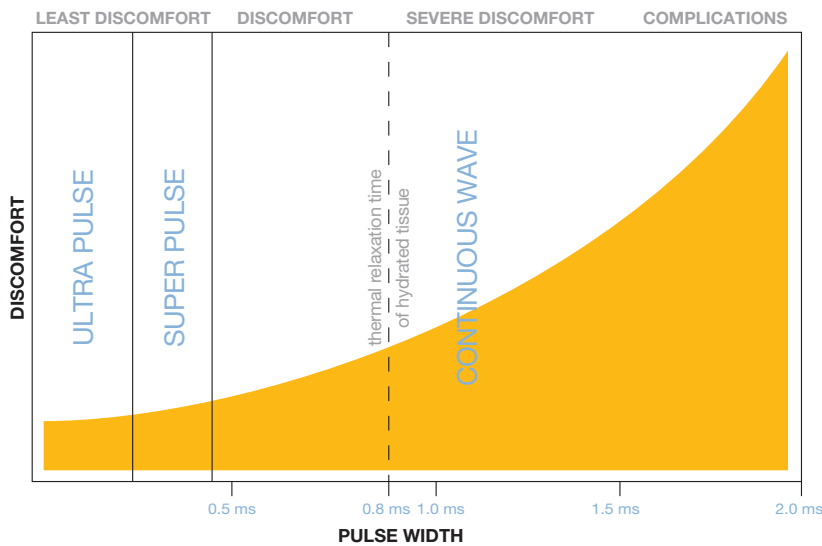
As pulse widths increase, thermal zones, discomfort and downtime increase.
Illustration of potential patient discomfort based on dwell time.

Reference - E. Victor Ross, MD, Joseph R. McKinlay, MD, R. Rox Anderson, MD,
Why Does Carbon Dioxide Resurfacing Work?, Arch of Dermatology, Vol 135, Apr . 1999

AcuPulse delivers:

- Adjustable zones of thermal damage
- Pulse durations in less than half a millisecond
- Raster scan for precise pulse delivery and reliable consistency
- Decreased downtime and discomfort for your patients
- A legacy of experience in developing CO₂ technology
- Unparalleled Lumenis customer service and support

IMPACT OF PULSE WIDTH ON TREATMENT OUTCOMES



As dwell time overcomes thermal relaxation time, downtime, discomfort and risk of complications increase.
Illustration of potential patient discomfort based on dwell time.

Reference - E. Victor Ross, MD, Joseph R. McKinlay, MD, R. Rox Anderson, MD,
Why Does Carbon Dioxide Resurfacing Work?, Arch of Dermatology, Vol 135, Apr. 1999

the AcuScan120™ offers:

SuperPulsed Digital Scanning that is precise, fast, repeatable and safe. Deep fractional 120 μm spot with state-of-the-art mirror position feedback. Open visualization allows you to place the treatment exactly where you want it.



coming soon!

A large spot superficial fractional hand piece.



incisional and resurfacing hand pieces available





AcuPulse™ Fractional CO₂ Laser

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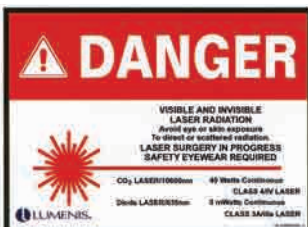
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Technical Specifications	
AcuPulse Models	AcuPulse 40 AES-R, AES-F, AES-A
Wavelength	10.600 nm
Laser Type	CO ₂ laser, sealed-off, DC excited
Laser Operating Modes	SuperPulse, Continuous Wave (CW), Pulsar
Power	40 W
Spot Size	120 µm
Percent Coverage per Pass	5-25%
Depth of Penetration	Up to 1000 µm per pulse
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, blink on/off
Beam Delivery	Lightweight, carbon fiber, 7-joint, spring-balanced arm, 120 cm (47.2") reach, 360 deg. rotation
Memory Setting	Min. 100
Cooling	Self-contained, closed cycle
Electrical	100-240 VAC, 10A (Max), 50/60 Hz
Dimensions	37 cm W x 40 cm D x 119 cm H; (14.6" W x 15.8" D x 47" H)
Weight	49 kg (108 lbs)
Standards	CE, UL
Warranty and Coverage	1 year standard



Contact your Lumenis Sales Representative for more information or call **1-877-LUMENIS**.

Visit www.aesthetic.lumenis.com today.