

AcuPulse™

MultiMode™ SuperPulse™ CO₂ Laser

Powerful.
Versatile.
Simple.



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AcuPulse™ is a complete ablative resurfacing workstation, featuring state of the art technology for all aesthetic resurfacing needs.



SuperPulse™ Technology

- Exceptional ablation/coagulation ratio
- Reach the desired treatment depth with a single pulse

Short Pulse Duration

- Enhanced patient comfort
- Minimizing thermal damage

11 Built-in Treatment Modes

- Maximum versatility with only two scanners
- Full parameter control for advanced users

Intuitive User Interface

- Easy setup and quick treatments
- User presets for single-click treatment initiation

11 Treatment Modes for Maximum Versatility

AcuScan120™
fractional scanner



Superficial™

for uneven pigmentation, fine lines, uneven texture, dyschromia, actinic keratosis and more.

Combo™

Deep and Superficial combined together for uneven pigmentation, acne scars, wrinkles and more.

Deep™

for deeper lines and wrinkles, acne scars, uneven texture, dyschromia and more.

StretchTouch™

for skin furrows and textural irregularities.

FemTouch™

For women's health

SurgiTouch™
advanced scanner



260mm, 200mm
and 125mm
handpieces for
SurgiTouch™



FeatherTouch™

for gentle, single scan treatments.

ToeTouch™

for common foot ailments, such as plantar warts and ingrown toenails.

SilkTouch™

for more vigorous, double scan treatments.

Paint™

for controlled, continuous freehand placement on small areas.

FineTouch™

for precise ablation of irregular pigmented lesions at various depths.

125mm
incisional
handpiece



Bleph™

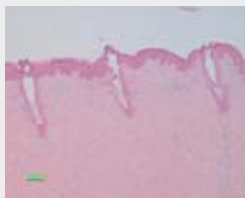
for precise, clean incisions with minimal bleeding.

Unique SuperPulse™ Technology

And a Full Range of Advanced Continuous Wave Capabilities

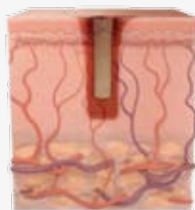
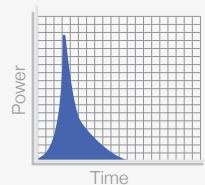
SuperPulse™

- High peak power
- Deep impact
- Narrow, controlled thermal zone



AcuPulse™ Deep™ Mode
Spot Size: 120µm
Energy: 20mJ
Density: 15%
Penetration Depth: 700µm

Not indicative of clinical results



Up to 1mm in a single pulse

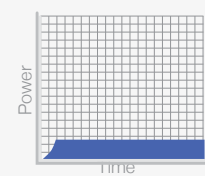
Continuous Wave (CW)

- Low peak power
- Superficial impact
- Wider thermal zone



AcuPulse™ Superficial™ Mode
Spot Size: 1.3mm
Energy: 170mJ
Density: 60%
Penetration Depth: 150-200µm

Not indicative of clinical results



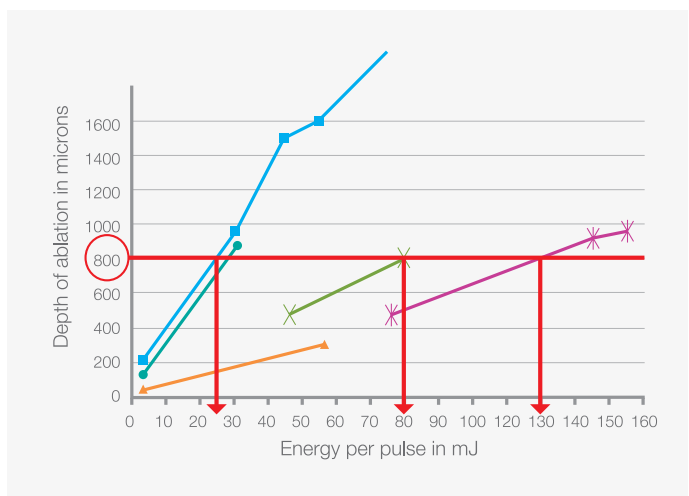
Exceptional ablation/coagulation ratio

When ablation depth is equal, more energy means more excess heat in the tissue. SuperPulse™ technology enables deep penetration with low energy. This reduces patient discomfort, downtime and thermal damage.

AcuPulse™ also enables short pulses, 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.



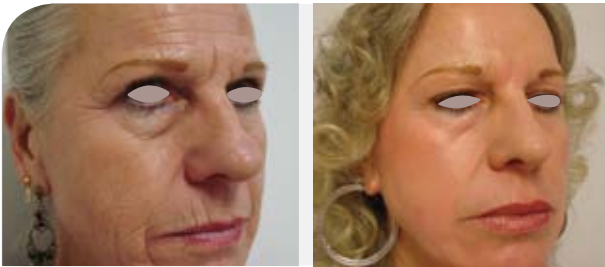
- AcuPulse
- UltraPulse
- ▲ Competitor 1
- ✕ Competitor 2
- ✱ Competitor 3

A Trusted Path to Outstanding Outcomes



Skin resurfacing

Courtesy of Rafael Nunes, MD

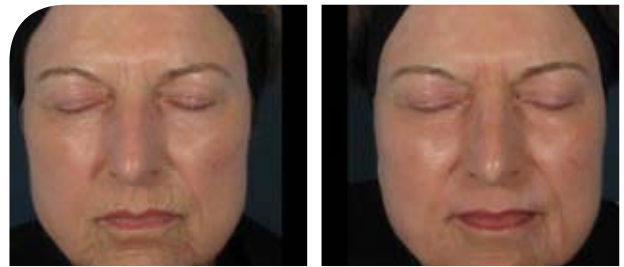


Before

After

Skin resurfacing

Courtesy of Girish Munavalli, MD



Before

After

Soft tissue (mole) removal

Courtesy of Nariaki Miyata, MD



Before

After

Blepharoplasty and lower lid resurfacing

Courtesy of Girish Munavalli, MD



Before

After

"I have used the AcuPulse to perform over 500 CO₂ laser procedures. The most impressive features are its small footprint, mobility, and wide range of applications. The two scanners can be interchanged easily. One can perform conventional resurfacing and deeper fractional procedures. The scanner technology allow for a wide range of injury patterns on the skin, so one can customize the treatment type for a particular pathology. We have used it for skin conditions as varied as warts to syringomas to photo-damage. The Combo mode is especially helpful as the unique injury patterns allow for deeper fractional treatments (e.g. for acne scarring), while still allowing for lighter conventional superficial resurfacing for pigment and fine lines (all in one pass). Its SuperPulse technology allows me to be more aggressive when I need to, while maintaining a wide patient safety margin, which ensures my patients are satisfied with the results of their treatments after a single session."

—
E. Victor Ross, MD; Director, Laser and Cosmetic Unit Scripps Clinic, La Jolla, CA

Specifications

Indication	AcuPulse™
PLATFORM	AcuPulse™ 40AES-F, 40AES-R, 40AES-A
Technical Specifications	
Wavelength	10,600 nm
Laser Type	SuperPulse™ and CW
Power to Tissue	40 W
Peak Power	170 W
Spot Size	min. 0.12 mm / max. 1.3 mm (AcuScan120™)
Scan Size	Up to 15 x 15 mm
Density per Scan	fractional: 3-60%, 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	Lightweight, 7-joint, spring-balanced arm w/120 cm (47.2 in) reach, 360° rotation
Memory Setting	min. 100
Cooling	Self-contained, closed cycle
Warranty and Coverage	1 year standard
Recommended Passes/Treatment	1
Platform Specifications	
Electrical	100–240 VAC, 10 A max., 50/60 Hz
Weight	49 kg (108 lbs)
Dimensions (WxDxH)	37 cm x 40 cm x 119 cm (14.6 x 15.8 x 47 in)

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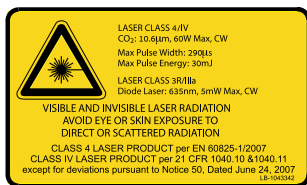
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