

FAC Technology™

Focused Adaptive Coagulation for
Advanced Aesthetic & Medical Laser Treatments

At Radiant Laser, innovation is not an add-on. It is the foundation.



Precision



Safety



Skin Integrity

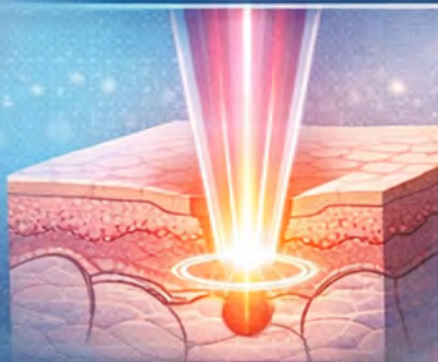
FAC TECHNOLOGY™

NEXT-GENERATION LASER INTELLIGENCE

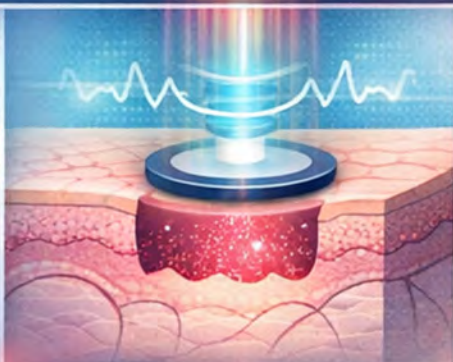
FOCUSED ENERGY

ADAPTIVE RESPONSE

CONTROLLED COAGULATION



Targets Tissue Precisely



Real-Time Skin Adjustment



Minimizes Thermal Damage

Customized Treatment, Optimal Results

Adapting in Real Time to Treat Effectively & Safely

RADIANT

Why Radiant Laser Chose FAC Technology™

Radiant Laser was developed with a single guiding principle:

Advanced results should never come at the expense
of safety or skin integrity.

FAC Technology™ allows us to:

- ✓ Push the boundaries of performance
- ✓ Expand treatment inclusivity across skin tones
- ✓ Empower practitioners with smarter technology
- ✓ Deliver exceptional results with confidence



The Future of Intelligent Laser Systems

FAC Technology™ represents the **evolution** of laser systems from static energy delivery to **intelligent, adaptive** treatment platforms.

It is not simply a feature.
It is a new standard.

Radiant Laser is proud to lead
this advancement.



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Key Benefits of FAC Technology™



Enhanced Safety Profile

FAC minimizes unnecessary thermal diffusion, making treatments safer for:

- ✓ Darker skin tones
- ✓ Sensitive skin
- ✓ Repeated or combination treatments



Superior Clinical Results

By targeting tissue more accurately, FAC Technology™ improves outcomes across a wide range of indications.



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Reduced Discomfort & Downtime

Patients experience:

- ✓ Greater comfort during treatment
- ✓ Faster healing
- ✓ Minimal disruption to daily life.



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Consistency & Reliability

FAC removes much of the variability associated with traditional laser platforms, allowing practitioners to achieve repeatable, predictable results.



FAC Technology™ Treatment Applications

FAC Technology™ is engineered to enhance performance across multiple laser indications, including:



Pigmentation
correction



Vascular lesion
treatment



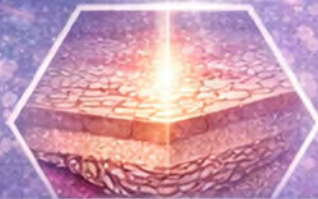
Skin rejuvenation



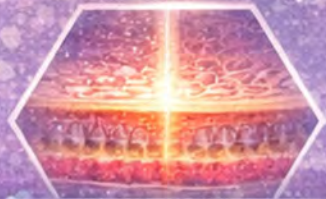
Hair
reduction



Acne and
inflammation-based
treatments



Texture refinement
& tone correction



Collagen stimulation
& dermal remodeling

Its **adaptability** makes it suitable for both aesthetic and medical-grade applications.

RADIANT

FAC Technology™

Adaptive Tissue Response Monitoring

FAC Technology™ continuously reads how the tissue is responding to energy in real time.

This adaptive mechanism:

- ✓ Adjusts pulse behavior instantly
- ✓ Prevents overtreatment
- ✓ Maintains consistent coagulation zones
- ✓ Enhances safety across all skin types

This is especially critical for **Fitzpatrick skin types III–VI**, where traditional lasers often carry higher risk.

III

IV

V

VI

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FAC Energy Focusing Technology

Radiant Lasers

Radiant Lasers utilize FAC (Fast Axis Collimation) technology to precisely focus laser energy into a compact, uniform beam.

- ✓ Tightly collimated light
- ✓ Minimal beam spread
- ✓ Controlled energy direction

- ✓ Focused Laser Beam
- ✓ Concentrated Energy
- ✓ Precise Follicular Delivery



Result: Energy is concentrated exactly where it is needed, at the hair follicle, not dispersed across the skin.

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Higher Effective Energy = Better Results

The Radiant Difference

With FAC technology, Radiant Lasers deliver up to **99%** of emitted energy directly into the hair follicle.

- ✓ Superior follicular penetration
- ✓ Consistent energy delivery
- ✓ Enhanced clinical outcomes



Greater Effective Energy

Faster results, fewer treatments,
and improved patient satisfaction.

Even with the same 1200W or 1800W handpiece, a Radiant FAC laser achieves greater effective energy, translating into faster results, fewer treatments, and improved patient satisfaction.

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Without FAC Technology

Traditional laser systems lack advanced beam collimation. As the handpiece moves across the skin, the laser beam diverges and spreads, causing significant energy loss.

- ✗ Diffuse, unfocused beam
- ✗ Energy scatters before reaching the follicle
- ✗ Only ~60% of emitted energy is effective

- ✗ Diffuse, Unfocused Beam
- ✗ Scattered Energy
- Minimal Follicular Delivery



Result: Reduced treatment efficiency, requiring more sessions and higher perceived power.

RADIANT

With FAC energy focusing technology



Without FAC energy focusing technology

