

Multi Radiance Technology: The Power of Super Pulsed Lasers

5X More Light Energy to TARGET Tissue

Exclusive Multi Radiance Technology Innovations

When it comes to laser treatment, **Less is More**. Multi Radiance Super Pulsed Lasers have outperformed other lasers in head to head clinical studies.

The sophisticated software algorithm coordinates the interaction between laser, LED's and magnetic field to achieve the desired depth of penetration time profile (DPTP).

The core technology in Multi Radiance Super Pulsed Lasers provides the highest photon delivery with lowest thermal impact to tissue, thereby creating the safest thermal time profile (TTP).

TARGET™ and DOSE

LaserStim™ delivers asymmetric, biphasic electrical stimulation; combined with three wavelengths of laser, infrared broadband and red light that measure changes in tissue impedance.

LaserStim™ utilizes the continual biofeedback from the skin to quickly identify target treatment areas. With the help of our exclusive **TARGET™** (Treatment Area Recognition and Guidance Enhanced Technology) to positively identify where to apply the light energy and **DOSE™** (Dosimetry Optimization by Skin Electrophysiology) to automatically deliver the proper amount of light energy, clinicians can treat with confidence that the therapy has been customized to each individual patient to maximize the phototherapeutic effect and provide consistent clinical outcomes.

LaserSweep™

LaserSweep™ modulates the pulse rate to prevent tissue adaptation that sweeps from highest to lowest. By varying the frequency (Hz), each laser pulse effectively changes the laser's target depth of penetration to maximize light absorption.

Super Pulsed Laser (905nm)

The Super Pulsed Laser (905nm) produces high powered light in billionth-of-a-second pulses. The power of each pulse drives the photons, or light energy deep into the target tissue. Multi Radiance Medical's technology's power of up to 50,000mW creates a high photon density, reducing pain and improving micro-circulation.

Pulsed Broadband Infrared SLDs (875nm)

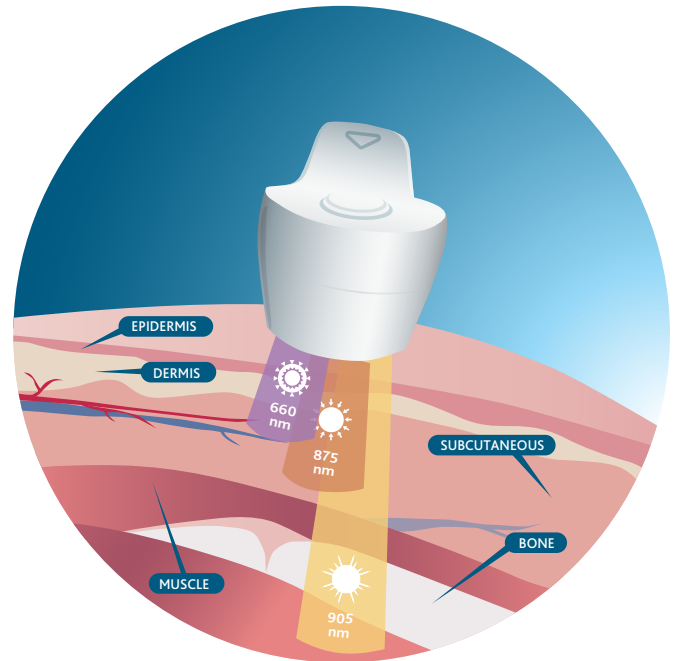
The infrared 875 nm non-coherent light penetrates into deep tissue to provide photo physical changes to the target tissues that improve local blood circulation to promote muscle relaxation and pain relief.

Pulsed Red light (660nm)

660 nm red light penetrates relatively shallow but it exerts a strong influence on acute injuries reducing pain quickly.

Static Magnetic Field (SMF)

Static magnetic field keeps ionized molecules of tissue in a dissociated state, enhancing the tissue's potential to absorb the energy.



When multiple wavelengths are combined, there is a 100% increase in the available light below the skin and confirms the presence of synchronicity between wavelengths called the Triple Cascade Effect (Validated in the Pillars Paper™).

LESS IS MORE: Wavelength, NOT power, determines depth of penetration

