

**Multiwave Locked System (MLS)** Therapy Laser was developed in an effort to produce an efficient and simultaneous effect on pain, inflammation, and edema, exceeding the limits of traditional LLLT (low power) and concerns of HP (high power) laser therapy. MLS technology delivers therapeutic wavelengths, 808nm (anti-edemic and anti-inflammatory) and 905nm (analgesic), allowing a tissue penetration depth of 3-4 cm. An energetic synergy is created when delivering these wavelengths that produces greater anti-inflammatory and analgesic effects than either can produce on its own, while minimizing the risk of thermal damage. It is this unique combination and synchronization of continuous and pulsed emissions that characterizes MLS and distinguishes it from other Class IV lasers.

Unlike early-generation Class IV technology, MLS Laser Therapy has the capability to deliver controlled laser energy. This unique feature provides more accurate therapeutic dose delivery, which means consistent and repeatable results.

**Multiwave Locked System (MLS)** Laser Therapy is a patented, FDA cleared technology designed to produce an efficient and simultaneous effect on pain, contracture, inflammation, and edema within a short period of time. The control system that generates the MLS pulse synchronizes the emissions to achieve optimum results. Due to this unique synchronization, the various therapeutic effects not only take place at the same time, but reciprocally reinforce each other, *without the risk of thermal damage*.

## THE EVOLUTION OF THERAPEUTIC LASERS

### • Class 3b Lasers

*Less effective, but safe*

Because they are stationary, Class 3b lasers allow you to control dosing at appropriate wavelengths. However, they do not evoke as rapid and dramatic a stimulatory response as high-power alternatives.

### • High-power Class 4 Lasers

*Powerful, but potentially dangerous*

While some Class 4 lasers can provide a stimulatory response, they do not always provide appropriate wavelength options. They can also casue collateral tissue damage due to excessive heat. As a result, the user must keep the laser in motion at all times, making dosing control nearly impossible.

### • MLS laser Therapy

*Effective and safe*

MLS Laser Therapy combines stationary application for exceptional dosing control with the appropriate combination of wavelengths. By delivering separate but simultaneous wavelengths for both anti-edema and analgesic effects, this laser evokes a rapid, powerful stimulatory response without the threat of tissue damage.