

# Safety

## Relieve pain and suffering and above all else, **DO NO HARM...**

We at LazrPulsr System consider **SAFETY** to be the **FIRST** and **PRIMARY** above all else. Therefore we take great measures to insure that the LazrPulsr Therapy Systems are among the safest therapeutic lasers on the market today.

### **Mechanical Features:**

The mechanical design and engineering of a pulsed therapy laser is extremely important for safe and effective use on the human body in a number of ways:

### **Range & Precision of Pulsed Frequencies:**

Much of frequency biomodulation is based on matching the natural resident frequencies of the body. Every cell, organ, system or function of the body has its own set of resident frequencies. Any deviation of these resident frequencies creates dysfunction and disease of that organ, system or function of the body. The body functions at a level far superior to today's scientific technology. Today's science says the body's resident frequencies range from 80 to 120 billion cycles, pulses, per second. Not only are these frequencies extremely high they are very precise as the human body was designed and functions at a level of precision we can not even imagine.

Therefore the higher the range and greater the precision of pulse frequencies we can produce, the closer to the body's own resident frequencies we can achieve. For frequency biomodulation, the higher the range and greater the precision equates to the level of therapeutic results.

The LazrPulsr 4X has been engineered by a team of the finest engineers utilizing the latest electronic technology to produce the most precise and the greatest range of pulsed frequency generation available today.

Unfortunately we have not found another therapeutic laser manufacturer that places any significant importance in precise frequency biomodulation. I say this because the highest range of any other pulsed therapy laser that I know of ends at about 5,000 hertz or about 5,000 pulses per second. Where at LazrPulsr our Home therapy unit has a therapeutic range up through 12 MHz or 12 million pulses per second with a very high level of precision. And our most advanced therapy laser has a therapeutic range of any frequency through 1 GHz or 1 billion pulses per second with even higher levels of precision.

One last thought on frequency. I have had laser sales people state that their laser functioned with a pulse frequency. However they were confusing pulse frequency with Duty Cycle. A Duty Cycle refers to the percent of the time the laser light is turned on or off. To reduce the power output of most infrared lasers they turn the laser on and off a set number of pulses per second. Then they turn the laser on from 10% of the time to 100% of the time during each pulse to control the amount of energy they use in the treatment. This makes the duty cycle a power setting only, not a pulsed frequency setting.

### **Control:**

The LazrPulsr 4X has a one piece design that can be programmed and operated with one hand while always maintaining control of the directions of illumination.

### **Safety Lock:**

The LazrPulsr 4X has a digital lock, locks are required by the FDA, that engages with one 5 second key stroke and unlocks with 3 additional key strokes to protect from accidental use by children and unauthorized users.

**Manufacturing standards:**

All components and final assembly of the LazrPulsr 4X are built within approved manufacturer safety standards.