



# MR4<sup>®</sup>

## ***SUPER PULSED LASER***

**The leading health technology for building your practice.**

- Used in 3,000+ hospitals
- In 10,000+ private practices
- Globally, 300+ treatment protocols
- In 30 countries
- Used by professional and college teams and organizations
- 25,000-50,000 mW of super pulsed laser power for fast, effective treatments; more power than most class IV lasers with a higher degree of safety
- LaserStim<sup>™</sup> with TARGET<sup>™</sup> (Treatment Area Recognition and Guidance Enhanced Technology) identifies optimal treatment areas
- LaserSweep<sup>™</sup> increases effectiveness
- Allows for insurance reimbursement



**Multi Radiance  
Medical<sup>®</sup>**  
*LaserLongevity<sup>™</sup>*

# MR4: the world's most advanced laser therapy modality.

## MR4 laser therapy promotes accelerated pain relief, healing and wellness.

Multi Radiance Medical MR4 laser therapy devices help you achieve outstanding results for your patients, while growing your practice; all without drugs or invasive surgery. The MR4 low level (cold) laser delivers healing photons to specific areas and depths of tissue, using the only FDA cleared modality that synergistically incorporates the following therapeutic radiances:

- Super pulsed laser
- Pulsed broadband infrared SLDs
- Pulsed red light
- Static magnetic field
- Electrical stimulation (LaserStim)

The goal of laser therapy is to deliver light energy units, in the form of photons, to damaged cells. The consensus of experts is that photons, absorbed by the cells through laser therapy, stimulate the mitochondria to accelerate production of Adenosine Triphosphate (ATP). This biochemical increase in cell energy is used to help transform cells from a state of illness to a healthy condition.

### LaserStim

LaserStim identifies optimal treatment areas and alerts you to them via an LED indicator and sound alert. It then gives those areas just the dose of laser therapy necessary. It also allows for insurance reimbursement enabling an even faster return on investment.

The MR4 is upgradeable and forward compatible with these emitters:

- 1 SE25 laser emitter (25,000 mW)
- 2 LaserStim with TARGET (Treatment Area Recognition and Guidance Enhanced Technology) (25,000 mW)
- 3 Multipoint hands and small joints therapy emitter (30,000 mW)
- 4 LS50 LaserShower (4 diodes) (50,000 mW)
- 5 The LS50-6D LaserShower (6 diodes) (50,000 mW)



### Acupuncture-Muscle Trigger Probes

Acupuncture-Muscle Trigger Probes let you treat smaller areas and target acupuncture points. This makes the MR4 even more versatile and revenue generating.





# What is MR4 laser therapy?

## How does it work?

### What happens during treatment?

- Laser therapy accelerates healthy cell growth, spurring pain relief, wellness and recovery from injury.
- Laser therapy stimulates fibroblast development and collagen synthesis in damaged tissue, leading to faster recoveries.
- Laser therapy causes higher outputs of specific enzymes, greater oxygen and food particle loads for blood cells, i.e., greater production of the basic food source for cells: Adenosine Triphosphate (ATP).
- Laser therapy reduces the formation of scar tissue following cuts, scratches, burns or surgery. It reduces swelling caused by bruising or inflammation of joints thus bringing enhanced joint mobility.
- Laser therapy induces temporary vasodilation, increasing blood flow to damaged areas of the body.
- Laser therapy speeds the process of nerve cell reconnection to bring the numb areas (due to damaged tissue) back to life.

Multi Radiance Medical MR4 laser therapy combines **wavelength**, **frequency** and **power** in a safe and convenient system that is effective, affordable and easy-to-use.

### Wavelength:

- Wavelength determines how deep therapeutic laser light penetrates the body. Multi Radiance Medical MR4 uses three wavelengths (660nm, 875nm and 905nm) to treat not only acute and chronic pain, but inflammation, edema, injury and more. Depths of laser penetration determine the therapeutic phenomena triggered by the therapy. MR4 laser therapy provides greater penetration for far wider effectiveness.

### Frequency:

- Frequency is the number of light pulses pushed into the body per unit of time. Multi Radiance Medical MR4 uses billionth-of-a-second super pulsing to deliver therapeutic energy. Super pulsed frequency allows Multi Radiance Medical lasers to deliver a dense concentration of healing effects without the danger of excess heat seen in some lasers.

### Power:

- Multi Radiance Medical MR4 laser delivers 25,000 to 50,000 mW of power, more than most class IIIb and class IV lasers, but with a higher degree of safety. Multi Radiance Medical lasers do not have to be certified by state radiological boards because they are so safe. This is not the case with class IIIb and class IV lasers.

## Hands Free Therapy Armatures

Hands Free Therapy armatures allow for unattended treatments. They easily attach to any cart or table.



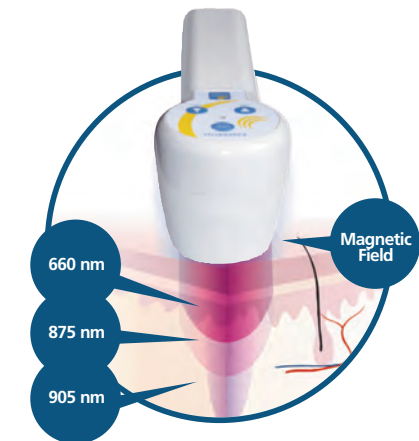
“ The Multi Radiance Medical laser is a valuable tool in decreasing inflammation before or after a workout, practice or game. Maintaining healthy joints is critical for enduring a long season. ”

Allan Houston, Former Captain  
New York Knicks



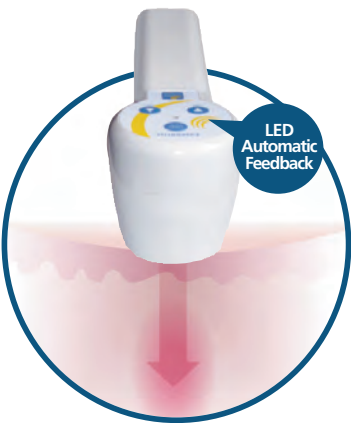
# MR4 Laser therapy Treatment Modes.

Innovations that improve the efficacy and power of treatment.



### Therapeutic Radiances of MR4

1. 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 up to 10-13 cm (4-5 inches) deep into the target tissue. The MR4's peak power creates this high photon density, strongly reducing pain, improving micro-circulation and increasing healthy cell metabolism by generating Adenosine Triphosphate (ATP).
2. Pulsed broadband infrared emitting diodes (875nm) penetrate shallower tissue depths than the laser but provide a broader spectrum of coverage.
3. Pulsed red light (660nm) reduces inflammation.
4. Static magnetic field keeps ionized molecules of tissue in a dissociated state, enhancing the body's ability to absorb energy at the molecular/cellular level.
5. LaserStim delivers electrical impulses and light through the skin and tissue, with the help of our exclusive TARGET technology.



### LaserStim with TARGET

LaserStim with TARGET (Treatment Area Recognition and Guidance Enhanced Technology) is the world's first FDA cleared device that combines laser/ light therapy and electrical neurostimulation. LaserStim treats a wide range of injuries and conditions while managing both chronic and acute pain and promoting lifetime wellness.

Based on the changes in tissue physiology, LaserStim identifies optimal treatment areas and alerts you to them via an LED indicator and a sound alert. It then applies a measured dose of treatment for fast, easy and accurate care.

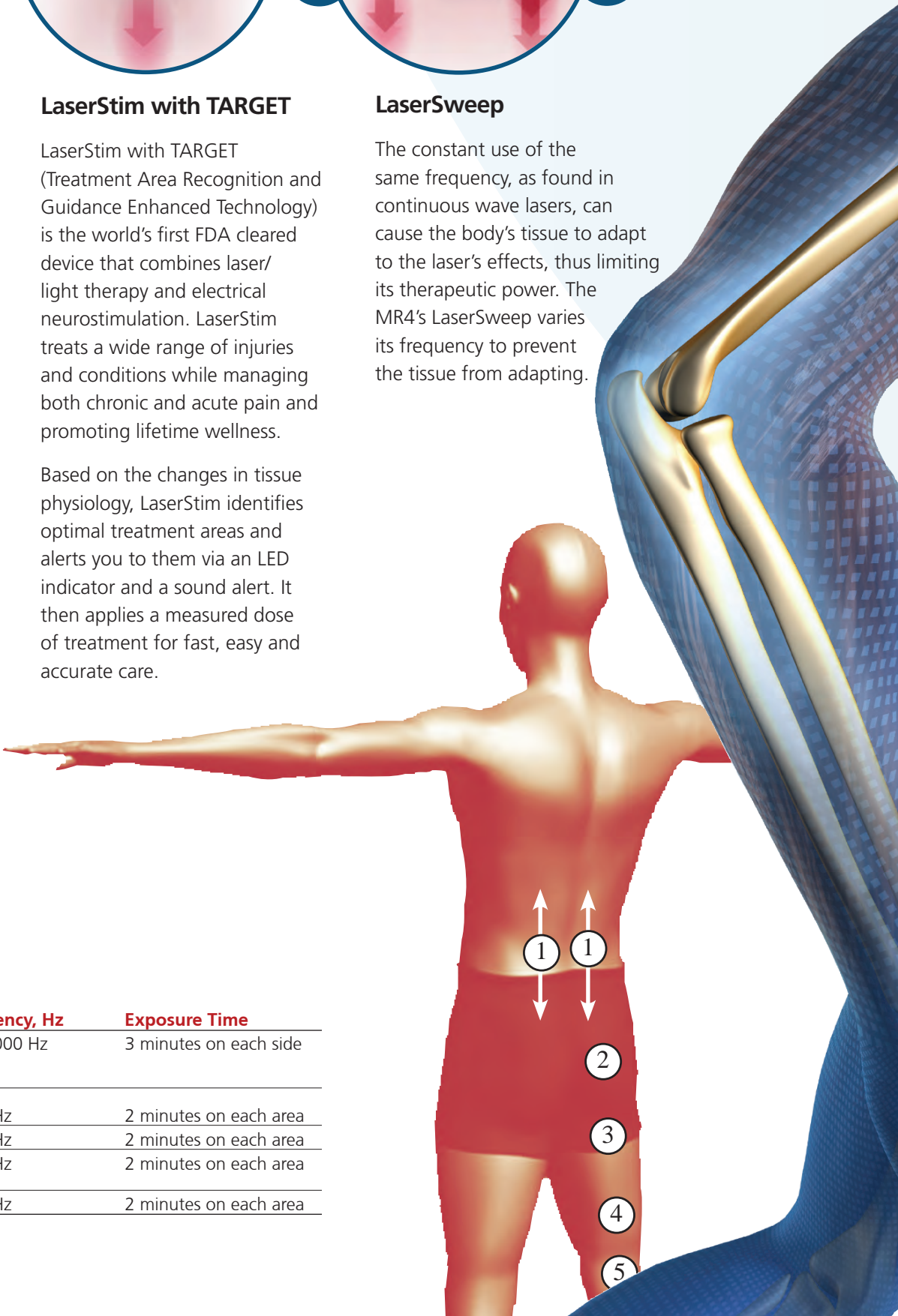


### LaserSweep

The constant use of the same frequency, as found in continuous wave lasers, can cause the body's tissue to adapt to the laser's effects, thus limiting its therapeutic power. The MR4's LaserSweep varies its frequency to prevent the tissue from adapting.

### Sample

Zone	Treatment Area	Frequency, Hz	Exposure Time
1	Paravertebrally the lumbosacral part of the body, scanning	500-1000 Hz	3 minutes on each side
2	Bulb-shaped piriforms indentation in the buttocks	1000 Hz	2 minutes on each area
3	Buttock fold	1000 Hz	2 minutes on each area
4	The middle of the posterior side of thigh	1000 Hz	2 minutes on each area
5	Popliteal fossa	1000 Hz	2 minutes on each area







Upper Extremities

Cervical/Thoracic

Lumbar Region

Lower Extremities

## Worldwide, MR4 laser therapy treats over 300 conditions effectively.

- Arthritis-Hip Joint
  - Arthritis-Patellafemoral
  - Arthritis-Temporomandibular
  - Arthritis-Wrist
  - Arthrosis-Hip Joint
  - Arthrosis-Sub Talar
  - Arthrosis-Temporomandibular
  - Bursitis-Elbow (Olecranon)
  - Calcaneal Spur
  - Carpal Tunnel-Wrist Radial
  - Epicondylitis-Lateral
  - Fibromyalgia
  - Frozen Shoulder
  - Trigger Protocol
  - Hernia-Intervertebral Disc
  - Injuries-Meniscal Knee
  - Ligament Sprains
  - Lymphedema
  - Muscle Strain
  - Neuroma-Morton's
  - Osteoarthritis
  - Pain-Acute from Trauma
  - Pain-Lumbar
  - Pain-Rib
  - Performance Enhancement-Soccer
  - Piriform Syndrome
  - Radiculopathy-Lumbar
  - Sciatica
  - Soft Tissue Injuries
  - Sprain-Acute Gleno Humeral
  - Sprain-Ankle (Lateral Acute)
  - Sprain-Cervical
  - Sprain-Elbow
  - Sprain-Knee
  - Sprain-Sacroiliac
  - Strain-Cervical
  - Strain-Lumbar
  - Subluxation-Shoulder
  - Tendonitis-Achilles
  - Tendonitis-Patellar
  - Tendonitis-Rotator Cuff
  - Tendonitis-Semi-Membranous
  - Tennis Elbow
  - Upper Extremity-Edema/Swelling
- Many more...

/// With my extensive experience working with chronic and acute injuries the Multi Radiance Medical Laser is the most advanced and effective modality I use for many world class athletes as well as lay people. ///

Igor N Burdenko, Ph.D.

The Burdenko Water & Sports Therapy Institute, Boston, MA



# More for your patients. More for your bottom line.

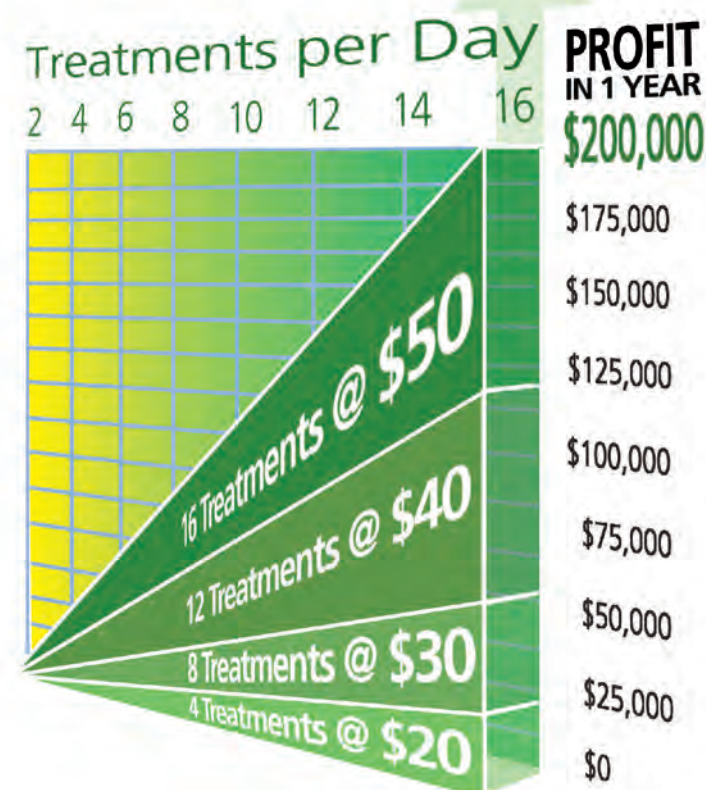
## MR4 brings faster ROI and allows for insurance reimbursement.

Partnering with Multi Radiance Medical will bring you many advantages in this faster and more competitive world. Your patients are more savvy and technology is more sophisticated than ever. You need a partner to give you the edge with its knowledge of innovative technology and focus on service.

### We give you more.

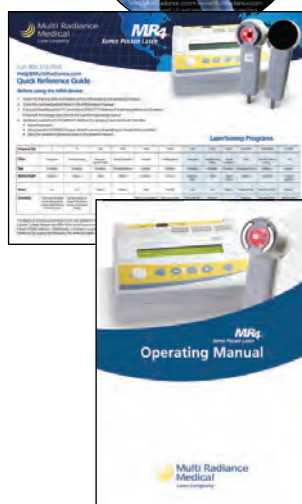
- **More ease-of-use:** TARGET (Treatment Area Recognition and Guidance Enhanced Technology)
- **More power:** 25,000-50,000 mW; greater than most class IV lasers with a higher degree of safety
- **More clinical success:** Safe, easy-to-use and effective as stated in over 4,000 therapeutic laser studies
- **More experience:** In 3,000+ hospitals and 10,000 private practices
- **More professionals:** Used by college and professional athletes
- **More treatment protocols:** Over 300 worldwide
- **More support:** Monthly webinars, patient marketing materials and more
- **More reimbursement:** LaserStim allows for insurance reimbursement

**Multi Radiance Medical lasers can increase your ROI dramatically and make you impressive profits as you serve more clients with better results.**



Multi Radiance Medical's technology will help you streamline your workflow. With simple preset protocols, flexible custom modes and quick treatment times, the MR4 seamlessly integrates into your thriving practice.

### To further enhance ROI, Multi Radiance Medical provides business, marketing and product support packages:



- Clinical and marketing strategies
- Seminars and webinars on how to use the technology safely and effectively and how to introduce it to your patients
- Patient education brochures and office posters
- Telephone support from doctors with clinical experience using the MR4
- Training videos
- Quick reference guides
- Treatment protocol manuals

Multi Radiance Medical has been fortunate to team with a growing list of innovative professional organizations committed to the growth and efficacy of laser therapy. When you join us, you, too, will be a part of the future of pain reduction, and the growth of health and wellness in the 21st century.

*Starting from above: Office Poster, Marketing Materials DVD, Quick Reference Guide and Treatment Protocol Manual*

“The MR4 laser has become an integral tool in the maintenance and rehabilitation of our players. We have seen positive results in areas such as wound healing, edema control, lymphatic responses, pain management and decreasing inflammation. Because of these optimal results, Multi Radiance Medical laser is ‘hands down’ our go to modality.”

*Nick Kenney, Kyle Turner, Jeff Blum  
Kansas City Royals Medical Team*

**Multi Radiance Medical lasers are used in over 3,000 hospitals and in over 10,000 private practices. What can the MR4 do for your patients?**



# Laser therapy is supported by over 4,000 clinicians

College and professional teams trust MR4 laser therapy, shouldn't you?



**Multi Radiance  
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*LaserLongevity*

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# Smarter technology. Smarter choice.

For more than 20 years, Multi Radiance Medical has developed advanced healing and wellness laser therapy technologies. We create safe, non-invasive and highly effective products that improve the lives of people by reducing pain, restoring health and invigorating the body's natural healing properties.

Numerous randomized double blind clinical trials have shown the efficacy of Multi Radiance Medical devices for various health conditions. An 88% positive effect was demonstrated in studies done on the small and medium joints with 140 participants. There are dozens of additional clinical studies and papers available for your review at [www.MultiRadiance.com](http://www.MultiRadiance.com). Over 4,000 clinical studies have been conducted worldwide validating the effectiveness of laser therapy.



“ Our organization requires that we offer the best modalities available to our athletes. That is why the MR4 super pulsed laser is an integral part of our daily treatment protocols. Multi Radiance Medical's MR4 laser therapy device provides unparalleled pain relief for acute and chronic conditions. It also helps restore mobility and range of motion, which allows for faster post-injury recovery during an intense season. ”  
*Chris Kingsley, Head Athletic Trainer  
LA Kings*



“ MR4 is the best physical therapy tool since the McKenzie method! As a physical therapist I'm interested in scientifically based modalities that are not only good on paper but in outcomes. I have had great success treating all types of musculoskeletal disorders from post operative swelling to chronic tendonitis using the MR4 laser system. With patients having less swelling and pain I can perform manual therapy and therapeutic exercises earlier in their rehabilitation and better meet our functional goals. ”  
*Vince Giardina, PT, MPT, RD, CLS*



“ Multi Radiance Medical technology has been a God-send for both me and my athletes. A knee ligament injury became chronic. After 2 days, the scar tissue was reduced 50%, and the pain by 90%. ”  
*Tom Barbeau, 3 Time Olympic Coach  
Alpine Director for the Waterville Valley Ski Academy  
Former NFL Player*



**Multi Radiance  
Medical®**  
*LaserLongevity™*

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