

REGENERATIVE MEDICINE

Partnership for Success



**Better Medicine.
Better Business.**



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Philosophy

Cutting Edge Laser Technologies was founded in 2001 with a simple mission: Provide high-value medical equipment to healthcare professionals that will improve the quality of medicine practiced while improving their bottom line.

When you partner with Cutting Edge, you choose a company that has been helping physicians improve patient care and client satisfaction for over two decades.

With a focus on light-based technologies, we provide non-pharmacological and non-invasive solutions for pain and inflammation management, wound healing, post-surgical recovery, and tissue regeneration.

We are committed to designing and selling best-in-class laser technology products that address the unique challenges associated with each specialty we serve.

We pride ourselves in our ability to help physicians smoothly integrate this technology into their practice to improve clinical outcomes, patient satisfaction, and the overall performance of their business.

Regenerative Medicine Overview

As more patients begin to look for non-surgical and drug free ways to manage pain and other conditions, cellular therapies, including PRP and BMAC, are very well positioned to meet this need.

Regenerative medicine specialists must be agile and adaptive to stay relevant and profitable in the everchanging and competitive landscape of patient care.

Patient Demand

The demand for regenerative medicine services is rapidly increasing as patients seek advanced, non-invasive solutions for chronic pain, musculoskeletal injuries, and degenerative conditions.

With an aging population and rising interest in alternative therapies, individuals are looking for treatments that promote natural healing and long-term recovery without the risks and downtime associated with surgery or pharmaceuticals. Therapies such as platelet-rich plasma (PRP) and bone marrow aspirate concentrate (BMAC) have gained significant traction due to their ability to enhance tissue regeneration, accelerate healing, and improve overall function, making them highly sought-after options for both athletes and aging patients alike.

As awareness grows, patients are becoming more proactive in exploring regenerative options, often researching providers who offer advanced solutions to their orthopedic and chronic pain challenges. Increased media coverage, patient success stories, and advancements in clinical research are further driving adoption, solidifying regenerative medicine as a critical component of modern healthcare.

Practices that integrate these innovative therapies are positioned to not only meet rising patient expectations but also differentiate themselves in an increasingly competitive market. By investing in regenerative medicine solutions, physicians can expand their treatment offerings, attract new patients, and provide superior outcomes that enhance overall patient satisfaction and practice growth.

Regenerative Medicine Overview

The Business of Orthobiologics

The business of orthobiologics is experiencing significant growth as physicians and healthcare providers increasingly incorporate biologic therapies into their treatment protocols for musculoskeletal conditions.

This market is driven by a growing demand for non-surgical treatment options, advancements in biologic science, and expanding reimbursement opportunities. As patient awareness and clinical evidence continue to support the efficacy of these therapies, the adoption of orthobiologics is creating new revenue streams for medical practices while offering patients innovative, science-backed solutions for pain management and tissue regeneration.

The Importance of Cash-Based Services

In today's evolving healthcare landscape, physicians are facing increasing financial pressures due to declining insurance reimbursements, rising operational costs, and the complexities of third-party payers.

To maintain profitability and enhance patient care, many practitioners are incorporating cash-based services into their practice model. These services, such as regenerative medicine treatments, offer a direct revenue stream that is not dependent on insurance constraints, allowing physicians to set fair and transparent pricing while reducing administrative burdens.

Cash-based services also provide patients with access to innovative, high-demand treatments that are often not covered by traditional insurance plans, empowering them to invest in their health without the delays and limitations of pre-authorizations or coverage denials.

Furthermore, integrating cash-based offerings can enhance practice efficiency, improve patient satisfaction, and create a competitive advantage by positioning the clinic as a leader in advanced, patient-centered care.

As the demand for non-invasive, regenerative treatments continues to rise, forward-thinking physicians who embrace this model can future-proof their practice, diversify revenue streams, and build a more sustainable and profitable business while delivering superior clinical outcomes.

Moving Forward

Practice management groups throughout the U.S. are suggesting that physicians must move into “thought and skill” areas to increase and protect income, growth, and inherent equity in their business. To thrive in an increasingly competitive marketplace, physicians must differentiate by offering a level of service and expertise that sets them apart. Actions that were once considered a luxury are now a necessity to remain competitive.

The study made 4 key recommendations:

1. Leverage technology for higher quality medicine.
2. Provide additional professional services, not products.
3. Stay current with level of services available elsewhere.
4. Build a robust, non-third-party, patient pay-for-service, cash revenue stream within your practice.

MLS[®] Laser Therapy offers each of these to your clinic!

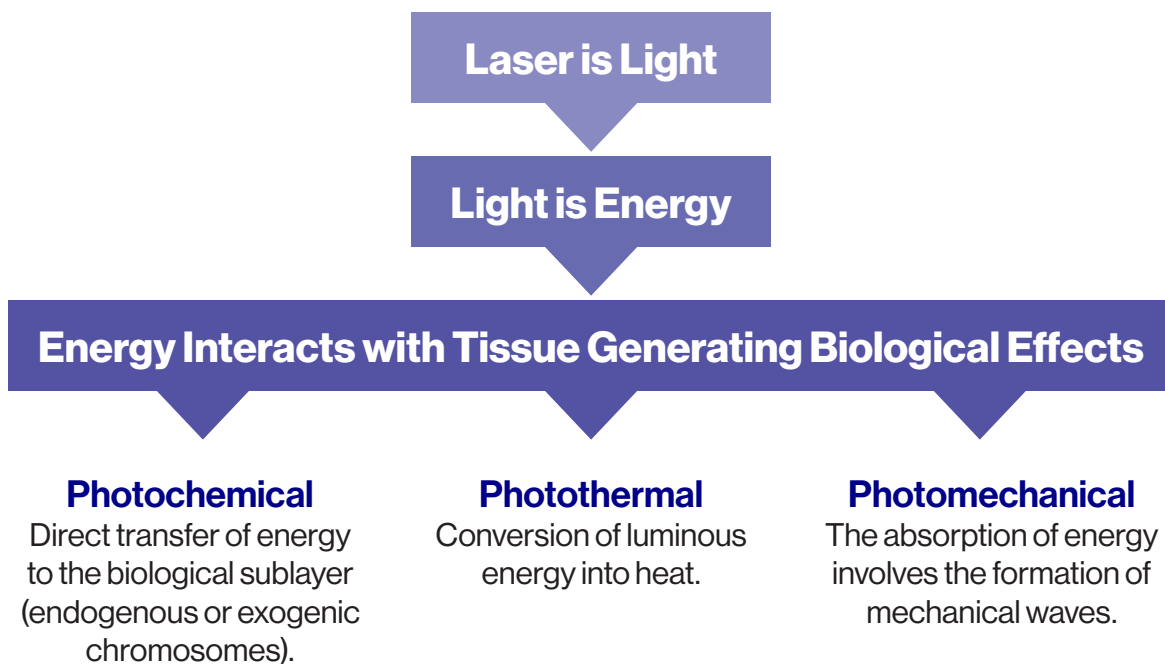
What is Laser Therapy?

There are a few crucial factors when evaluating laser therapy technology:

- Energy
- Time
- Frequency
- Power

Laser therapy uses specific wavelengths of light energy to favor and accelerate the body's natural healing processes. The laser beam is moved over the skin so that photons (particles of light energy) penetrates the tissue where it interacts with various molecules (chromophores) that cause different biological effects.

MLS Laser Therapy, through extensive research, has optimized all relevant factors in a therapeutic laser providing revolutionary results in considerably reduced treatment times while maintaining complete patient safety.



Who is Cutting Edge Laser Technologies?

The Leader in Light-Based Technologies

Our desire to provide physicians with world-class solutions based on scientific evidence took us down the path of finding a solution that addresses the shortcomings of traditional Low-Level Light Therapy (LLLT) technologies while avoiding the potentially damaging and altogether unnecessary “High-Power” solutions.

Our patented emission system is based on over four decades years of research and innovation and offers a completely unique delivery of light energy.

No other technology on the market can compare.

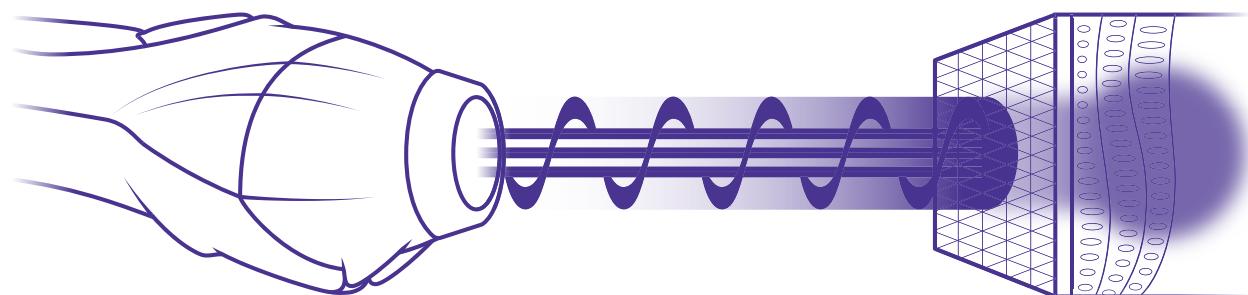
What is the Multiwave Locked System®?

The Next Generation in Therapy Laser Technologies

Our commitment to excellence gave rise to a new generation in therapy laser technologies: the Multiwave Locked System (MLS) is a patented and proprietary delivery system that precisely synchronizes simultaneous dual wavelengths, as well as simultaneous continuous and pulsed emissions.

The clinical effectiveness of the MLS pulse provides more efficient biostimulatory results with less energy and in considerably reduced treatment times with respect to traditional laser therapy. All other approaches to laser therapy, regardless of power or wavelength, still operate with traditional methodology of delivering single emissions modality and wavelength at a time unsynchronized.

This precise synchronization enhances cellular repair, accelerates tissue regeneration, and promotes faster recovery, making it the ideal complement to Orthobiologic treatments, such as PRP and BMAC.



MLS + Biologic Treatments = Improved Clinical Outcomes

The Ideal Compliment

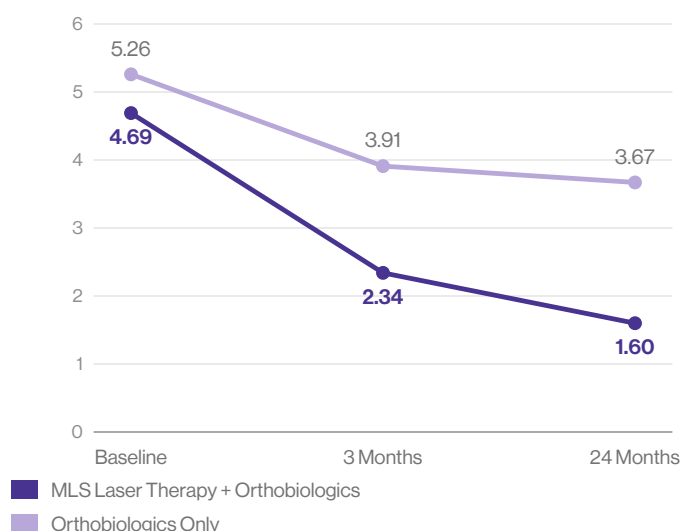
Combining MLS Laser Therapy with biologic treatments is proving to be a powerful synergy in regenerative medicine, delivering superior patient outcomes. DataBiologics registry data shows the combination outperforming biologic treatments alone on all four outcome measures through 24 months.

MLS Laser Therapy works by reducing inflammation, promoting circulation, and accelerating cellular repair, creating an optimal environment for regenerative properties of biologic treatments to take full effect. By stimulating tissue regeneration, improving pain relief, and shortening recovery times, this integrated approach provides a significant advantage for physicians seeking to optimize results for their patients.

With growing clinical validation and patient success stories, MLS plus biologic treatments represents a breakthrough in non-invasive regenerative treatments, allowing practices to offer advanced care while improving patient satisfaction and treatment efficacy.

NUMERIC PAIN RATING

Average score, all cases. Lower scores indicate better outcomes.



Numeric Pain Rating assesses pain intensity on a 0 to 10 scale, with higher scores indicating more severe pain. n = 7,928 cases.

Source: DataBiologics IMPACT Registry, 9/2/2026

Disclaimer: This information is based in whole on reports and/or analysis from the DataBiologics IMPACT Registry. DataBiologics is not responsible for and does not necessarily endorse the analysis or conclusions in this information.

AT 24 MONTHS

All cases, all four outcome measures.

Numeric Pain Rating

lower is better

1.60 vs. 3.67

Worst Pain Rating

lower is better

2.21 vs. 5.00

Desired Functionality

higher is better

74.66 vs. 72.11

Outcome Success Index

higher is better

4.57 vs. 4.25

MLS Laser Therapy plus orthobiologics outperformed orthobiologics alone on every measure through 24 months.

MLS[®] Laser Therapy

Explore the history, clinical
research, and unique benefits.



Evolution of Technology

● 1983 - ASA was born

Our Italy-based manufacturer has been working since 1983 to become the international landmark in expertise, production, and development of therapeutic solutions based on laser sources and magnetic fields.

● 1986 - Dual Wavelengths

ASA introduces the first dual wavelength, variable frequency Class IIIB Therapy Laser for medical applications.



● 1997 - First Generation Class IV

After a decade of further research, ASA introduced the world's first high-power, dual wavelength therapy laser. The Comby Laser was designed to surpass the biostimulatory limitations of traditional Class IIIB technology. This landmark device opened the path to a new laser therapy conception, which elicits the quality, safety, and therapeutic efficiency of laser emission rather than its power.



2003 - Second Generation Class IV

The launch of the MLS Laser Therapy emission system revolutionized the treatment of painful pathologies. The coordinated and synchronised emission of several laser beams with different wavelengths and emission modes – pulsed and continuous – makes it possible to concentrate on the therapeutic result by modulating and controlling the laser power.



2012 - MLS® Patent in the USA

The originality of the MLS device and its way of using energy for therapeutic purposes have been approved by the United States of America with US Patent No. US 8,251,982 B2.

2024 - The Evolution of MLS®

The Robotic M7 MLS Therapy Laser is the next evolution in MLS technology boasting a higher peak power, enhanced software, and other intuitive features that prioritize patient outcomes and clinic workflow.



MLS® Laser Therapy Clinical Research

Through extensive research, MLS Laser Therapy has optimized all relevant factors in a therapeutic laser providing revolutionary results in considerably reduced treatment times while maintaining complete patient safety.

Clinical Research

The patented MLS impulse is the direct result of over three decades of world-class research. MLS, as a specific impulse, has been through the Gold Standard of clinical validation, including in vitro, in vivo, and multiple successful multi-patient university level clinical trials—all of which have been published.

The remarkable effectiveness of MLS Laser Therapy has been studied and verified by Italy's University of Turin's biology department and Brazil's University of Padova's Orthopedic Clinic as well as their biology and anatomy departments.

Our clinical research does not include citation of other generalized LLLT research as validation. All studies have been conducted using device-specific research, as well as comparative trials to traditional methods of energy delivery. No other Class IV therapy laser technology has this level of modality-specific clinical validation.

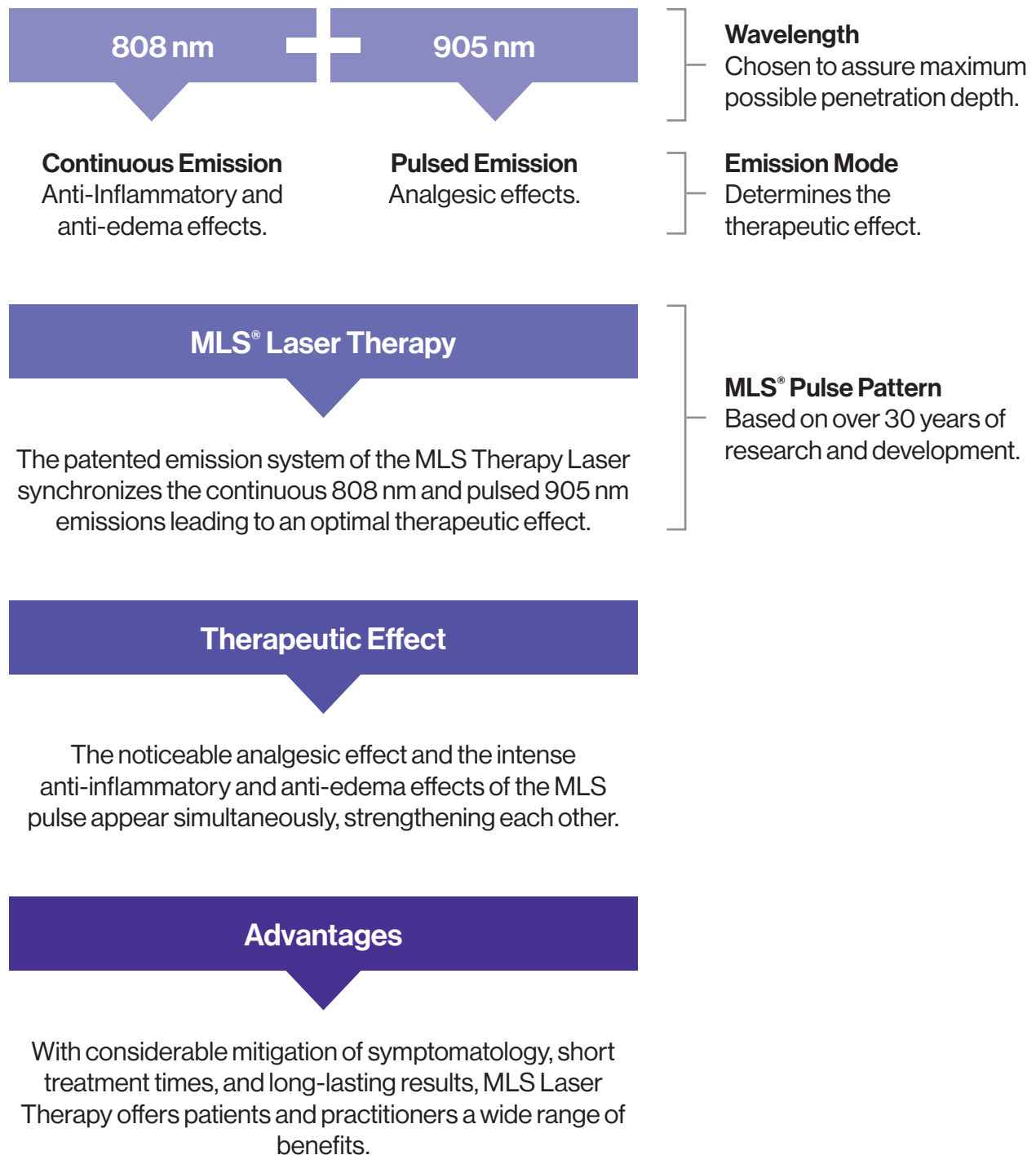
Certifications

The quality, efficiency, and safety of MLS devices are cleared by the FDA.

Indications for Use: “Intended to provide topical heating for the purpose of elevating tissue temperature for the temporary relief of muscle and joint pain and stiffness, arthritis pain, or muscle spasm, the temporary increase in local blood circulation and/or promoting relaxation of muscle.”

The MLS impulse and delivery system are fully patented with United States Patent No. US 8,251,982 B2.

Abstract: “The synchronization of two spatially overlapping energy forms having closely positioned emission axes and particular emission modalities can in many cases provide strengthened or even synergistic effects in the alleviation or treatment of multiple of acute and/or chronic conditions (e.g., pain and inflammation) afflicting a given tissue. The laser energy forms are characterized in terms of their power levels, activation times, activation periods, pulse durations, pulse periods, wavelengths, and other identified characteristics.”



10 Medical Benefits of MLS® Laser Therapy

1. Anti-inflammatory

MLS Laser Therapy has anti-inflammatory and anti-edema effects by stimulating lymphatic drainage and vasodilation.

As a result, there is a reduction in swelling caused by bruising or inflammation.

2. Analgesic

MLS Laser Therapy promotes the production of pain killing chemicals, such as endorphins and enkephalin, to decrease nerve sensitivity and block the transmission of painful sensations to the brain.

A reduction in pain can also be seen as a secondary result of reducing inflammation and edema at the treatment site.

3. Accelerated Tissue Repair And Cell Growth

Photons penetrate deep into tissue and accelerate cellular reproduction and growth. Laser light increases the energy available to the cells so they can take on nutrients, remove waste, and repair themselves faster.

4. Improved Vascular Activity

Laser light can significantly increase the formation of new capillaries in damaged tissue to accelerate the healing process, close wounds, and reduce scar tissue.

Additional benefits include temporary vasodilation and an increase in blood vessel diameter.

5. Increases Metabolic Activity

MLS Laser Therapy creates higher outputs of specific enzymes, greater oxygen and food particle loads for blood cells.

6. Trigger Points & Acupuncture Points

MLS Laser Therapy stimulates muscle trigger points and acupuncture points to non-invasively provide musculoskeletal pain relief.

7. Reduced Fibrous Tissue Formation

MLS Laser Therapy reduces the formation of scar tissue following tissue damage from cuts, scratches, burns, or surgical incisions.

8. Improved Nerve Function

Slow recovery of nerve functions in damaged tissue can result in numbness and impaired limbs. Laser light accelerates the process of nerve cell re-connection and increases the amplitude of action potentials to optimize muscle healing.

9. Immunoregulation

Laser light can have an effect on immunity status by stimulating immunoglobulins and lymphocytes.

Laser energy penetrates the cells where it is absorbed by chromophores and activates the enzyme flavomononucleotide to start the production of adenosinetriphosphate (ATP), which is the major carrier of cell energy and the energy source for all chemical reactions in the cells.

10. Faster Wound Healing

Laser light stimulates fibroblast development in damaged tissue. Fibroblasts are the building blocks of collagen, which is the essential protein required to replace old tissue or to repair tissue injuries. As a result, MLS Laser Therapy is effective post-surgically and in the treatment of open wounds and burns.

Better Medicine

Increasing Popularity Among Physicians

Laser therapy is one of the fastest growing modalities in the medical field. According to a global report published by Market Research Future, the laser therapy market is expected to continue growing at a compound annual growth rate of 9.2%.

Here's why so many physicians are adding MLS Laser Therapy to their practices.

Clinical Benefits

MLS Laser Therapy helps resolve numerous pathologies of the skeletal and muscular systems, such as periarthrititis, epicondylitis, lumbago, dorsalgia, and cervicalgia, as well as where an intense biostimulation effect is necessary, such as in the case of superficial injuries.

Six to ten applications are sufficient to obtain excellent results, both on the pain and the inflammatory processes. Ten applications positively affect chronic conditions.

Reduction of response times, and therefore overall treatment times, distinguishes MLS Laser Therapy from traditional laser therapy with reciprocal advantages for both the operator and the patient.

MLS Laser Therapy has been proven to be very effective for acute injuries and chronic conditions. The key to success with MLS Laser Therapy is proper diagnosis.

MLS Laser Therapy is ideal for:

- Tendon and ligament injuries
- Soft tissue injuries
- Muscle strains and tears
- Sore muscles and joints
- Degenerative joint conditions
- Neurological pain
- Chronic non-healing wounds
- General pain

Enhanced Relief of:

- Arthritis
- Brachial Neuralgia
- Bursitis
- Contusions
- Dislocations
- Hematoma
- Hip and Knee Pain
- Lumbar Pain
- Muscular Contraction
- Muscular Tears
- Rotator Cuff Tear
- Sciatica
- Strains and Sprains
- Tendonitis
- Tennis Elbow
- and many other painful conditions

Better Business

Financial Benefits

Laser therapy is an in-demand, cash-based modality that can help healthcare providers combat declining reimbursements by generating cash revenue. For many physicians, treating as little as two to three patients per week is sufficient to breakeven on their investment in MLS Laser Therapy.

Estimate your practice's breakeven number of patients with the *Return on Investment* page at the back of this booklet.

Rapid Return on Investment

MLS Laser Therapy allows physicians to leverage technology to provide higher quality patient care while attracting new patient populations, generating additional cash-based revenue, and ultimately improving the practice's bottom line.

- Superior clinical results in both routine and specialty treatments.
- Practice differentiation and leadership by leveraging advanced technology for better medicine.
- Short learning curve.
- Rapid return on investment.
- Rising consumer demand for laser technology, particularly among the 76 million aging baby boomers.

Ensure Your Success

With our turnkey marketing packages, you will be able to inform and educate your patients and the community. Increase client traffic to your office for MLS Laser Therapy while increasing the average transaction price per visit.

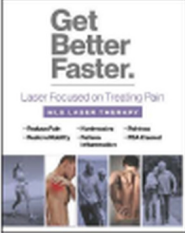
Initial Marketing Package

Your purchase of an MLS Therapy Laser includes complimentary, professionally designed general marketing support to increase your patient base.

Chronic Pain



33x80" Retractable Banner



17.25x22.5" Wall Plaque



8.5x11" Acrylic display with 4" brochure holder

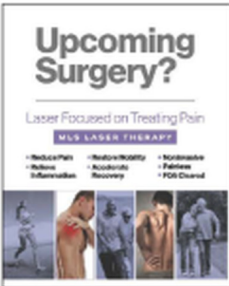


100 patient bi-fold brochures - Spine



100 patient bi-fold brochures - Extremity

Post-Op



17.25x22.5" Wall Plaque



100 patient bi-fold brochures - Post-Op

Product Portfolio

Full Family of MLS Therapy Lasers

Cutting Edge Laser Technologies offers a full family of patented and clinically-validated MLS Therapy Laser devices.

Each laser device is meticulously designed to address the unique challenges faced by private practitioners in the everchanging landscape of patient care. Ranging from portable to fully robotic units, medical providers have a variety of models to choose from to meet the needs of their patients and their practice.

Robotic Technologies

The Multiwave Locked System is the only therapy laser emission system that has been adapted into a fully robotic device that can autonomously treat deep-set and widespread ailments without constant supervision.

The Robotized ULTRA Head is the result of advanced optical technology and electromechanics allowing the M6 and M7 TherapyLasers to autonomously treat patients. This robotic delivery system enhances treatment outcomes by ensuring even and consistent distribution of laser energy across the treatment area.

Select the treatment protocol, specify the treatment area, and allow the Robotic Laser to automatically administer treatment while physicians and staff dedicate their attention to other practice services, boosting practice productivity while saving time and money.



Robotic M7 MLS[®] Therapy Laser

[Browse the product specifications.](#)



Robotic M7 MLS® Therapy Laser

The Next Evolution in MLS® Laser Therapy

As the newest addition to the MLS product family, the M7 transcends previous models with intuitive features that prioritize patient outcomes and clinic workflow.

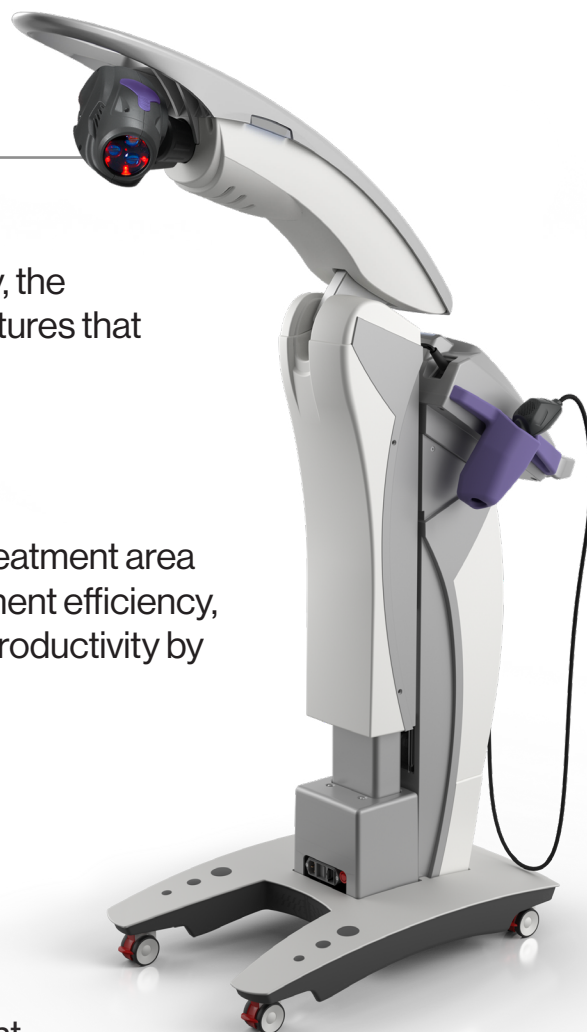
Robotized Treatment

The Robotic ULTRA Head scans the specified treatment area evenly distributing laser energy to improve treatment efficiency, enhance patient outcomes, and boost practice productivity by eliminating the need for a dedicated technician.

Enhanced Software & User Interface

The M7 MLS Therapy Laser's enhanced software improves ease-of-use, dose delivery, and treatment consistency.

- Anatomical models and the new Trigger Point Locator guide probe placement to improve treatment accuracy.
- Automated interactions:
 - Treatment time and energy density automatically adjust with changes in other treatment parameters to improve dose delivery.
 - The improved handpiece automatically tracks the number of treatment areas, time per area, and pauses between areas to improve efficiency.



Two Lasers in One

Switch to the ergonomic handpiece and treat with precision, including trigger points using the on-screen trigger point locator unique to the M7.

Use in conjunction with the Robotic ULTRA Head to treat two areas at the same time or target the same area from a different angle, such as a joint.



Features

- **Robotized ULTRA Head:**
 - Optical group with 3 MLS laser sources and a 5cm spot size highlighted by high efficiency LED aiming beam.
 - Automatically scan a treatment area (cm²) defined by programmable X and Y axis.
 - Specify treatment areas from 1 to 30 to automatically calculate treatment time per area.
 - 35 predefined programs categorized by anatomical area.
 - Emission intensity can be set at 50 or 100% of the maximum power.
- **Ergonomic Handpiece:**
 - 1 MLS laser source with a 2cm spot size highlighted by high efficiency LED aiming beam.
 - Specify treatment points from 1 to 20 to automatically calculate treatment time per point.
 - Trigger point locator categorized by anatomical area.
 - Emission intensity can be set at 25, 50, 75, or 100% of maximum power.
- Continuous and pulsed MLS modulation.
- Simultaneous management of two independent channels.
- Automatic calculation of the emitted energy, energy density, and treatment time according to set parameters.
- Automated interactions.
- Fixed duty cycle at 50% or variable.
- Create and save up to 30 fully customized programs for both the Robotic ULTRA Head and Handpiece.

Specifications

Laser Type	Class IV – High Power, Non-thermal
Wavelengths	Continuous 808nm, Pulsed 905nm, 650 nm Aiming Beam
Peak Power	50W
Pulse Modulation	1 and 2000Hz (1Hz Steps)
Dimensions	Minimum: 28.5" w x 31.5" d x 43.5" h Maximum: 28.5" w x 41" d x 61.5" h
Weight	94.7 lbs
Power Supply	100 and 240V - 50/60Hz 85-110VA



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