

TerraQuant® Laser Powerful Pain Relief

Discover Why:

- Patients in over 30 countries
- Special Forces of 7 countries
- NBA players
- National Soccer Team
- Olympic athletes
- Chronic pain sufferers

*Revolutionary
Super Pulsed Laser*

**Use Our Quantum
Laser Therapy Devices!**



Medical Quant West
TerraQuant® - Innovations in Health



International Edition

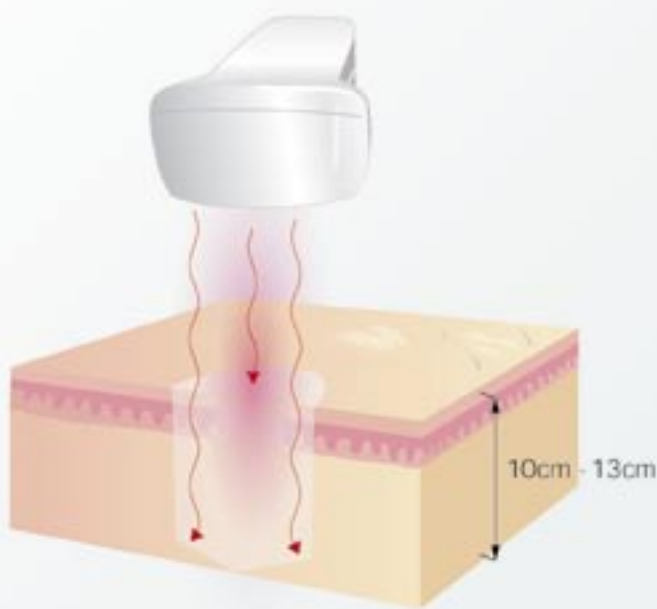
What is the TerraQuant®?

TerraQuant® MQ2000

The TerraQuant® is the only non-invasive medical device available in the world that provides a unique combination of super pulsed laser, infrared, red light, and magnetic field based on Quantum Therapy. TerraQuant® provides preset treatment protocols as well as custom treatment modes.

Quantum Therapy is a rapidly advancing new medical technology providing a low-intensity, non-invasive, ecologically safe treatment that combines the impact of diverse close-to-natural electromagnetic radiation on living organism in order to transform live cells from an unstable state of illness into a stable healthy state.

How Quantum Therapy Works



- 1 GaAs Super Pulsed Infrared Laser** (905nm) penetrates 10 - 13 cm (4-5 inches) deep and has strong stimulating effects on blood circulation membranes and intracellular metabolism. Laser emits energy in a form of photons; these particles of energy are absorbed by cells and tissue resulting in conversion of light into biochemical energy. Multiple physiological responses are thereby initiated and normal cell function is restored. This process is curative and eliminates symptoms (i.e. pain, edema, etc).
Super Pulsed laser produces a high power level of impulse of light for a very brief duration for each pulse. It is the high power during each pulse that drives the light energy to the target tissue. Higher peak power leads to higher photon density, delivering the highest concentration of photons and providing the deepest tissue penetration.
- 2 Pulse infrared Emitting Diodes** (875nm) penetration shallower tissue depth and has an overall broader spectrum as compared to laser radiation.
- 3 Pulsed Red Light Emitting Diodes** (660nm) penetrates smaller tissue depth and has beneficial anti-inflammatory effects.
- 4 Magnetic field** (35mT) keeps ionized molecules of tissue in dissociated stage, this enhancing the energy potential at the molecular and cellular levels. Magnetic field also provides energy-mediated protection or organisms against environmental impacts such as climactic factors and electromagnetic fields.

Peak pulse power of up to 25,000 mW and average power of ~7.5mW - achieves high depth of tissue penetration while providing gentle average power levels.

TerraQuant® Laser Therapy is used in 30 Countries focusing on numerous solutions and therapies*

Pain Relief Solutions

- Acute, sub-acute, and chronic pain relief
- Shoulder pain
- Carpal tunnel
- Back pain
- Tennis elbow
- Arthritic pain
- Fibromyalgia
- Many other indications

Anti-Aging and Cosmetic Solutions

- Cellulite
- Acne
- Wrinkles
- Psoriasis
- Many other indications

Wound Management Solutions

- Tissue repair and cell regeneration
- Skin ulcers
- Diabetic ulcers
- Burns
- Postoperative wound care
- Many other indications

* Intended indications listed in this brochure reflect regulatory approvals, which vary from country to country.

What Laser Therapy Experts say about the TerraQuant®

"Over the past four years, I have worked extensively with many laser technologies as both a clinician and an educator. In my opinion, the TerraQuant® is by far one of the most advanced technologies available on the market today. The unique combination of optimal power, wavelength and frequency is ideal for biostimulation in injured tissues. Not only does it help me to return my athletes to play faster after an injury, it manages my clinical patient's pain in a way that is superior to other modalities. Now more than ever, clinicians need to explore the benefits of light therapy and realize the difference phototherapy can make in their outcomes."

Douglas Johnson, ATC, EES, CLS,
Sports and Industrial Rehab, Laser Center of Michigan
Founder/Co-owner

Biological Effects of Quantum Laser Therapy

- Increased Metabolic Activity.** Higher outputs of specific enzymes, greater oxygen and food particle loads for blood cells, and thus greater production of the basic food source for cells, Adenosine Triphosphate (ATP).
- Anti-inflammatory Action.** Laser light reduces swelling caused by bruising or inflammation of joints to provide enhanced joint mobility.
- Increased Vascular Activity.** Laser light induces temporary vasodilation, increasing blood flow to damaged areas.
- Stimulates Nerve Function.** Slow recovery in nerve function in damaged tissue can result in “dead” limbs or numb areas. Laser light speeds the process of nerve cell reconnection to bring the numb areas back to life.
- Rapid Cell Growth.** Laser light accelerates cellular reproduction and growth.
- Faster Wound Healing.** Laser light stimulates fibroblast development and accelerates collagen synthesis in damaged tissue.
- Reduced Fibrous Tissue Formation.** Laser light reduces the formation of scar tissue following tissue damage from cuts, scratches, burns, and post surgery.



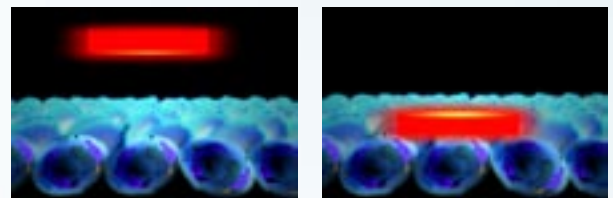
TerraQuant® MQ2000
Shown with dual emitters, manuals, treatment protocols and acupuncture probes.

Results are clinically proven

Treatments are safe and can be easily performed by a professional and self-administered by holding the emitter and/or moving it in a circular motion on the painful section of a body.

Numerous randomized double blind clinical trials have showed efficacy of the TerraQuant® Laser on various health conditions.

An 88% positive effect was demonstrated in the studies done on efficacy of the TerraQuant® in relieving pain caused by arthritis of small and medium joints. The clinical study involved 140 participants.



Athletes and their doctors have already discovered the healing power of TerraQuant® Laser

“With my extensive experience working with chronic and acute injuries, the TerraQuant® Laser is the most advanced and effective modality which I use for many world class athletes as well as lay people.”

Igor N. Burdenko, Ph.D., Founder & President
The Burdenko Water and Sports Therapy Institute
Boston, MA USA

Compare Quantum Laser Therapy to leading therapy modalities

Factors	Quantum Laser Therapy	TENS	Ultrasound
Application procedure	Non-invasive	Adhesive pads & wires	Gels / creams /wires
Effect on pain	Influences pain source	Masking effect	Temporary, through heat
Necessity of clinician	Clinician or self-administered	Generally required	Demands clinician
Treatment time	3-15 minutes for area	Up to 40 minutes	5 to 20 minutes
Applications per day	Multiple within protocols	One is recommended	No more than one
Can cause infection	Stimulates healing of wounds	No open wounds	No open wounds
Side effects	FDA determined SAFE	May blister skin	Can overheat/damage
Increases Microcirculation	Yes	n/a	n/a
Increases Lymphatic flow	Yes	n/a	n/a
Danger of Usage	If directed into eyes	Heart arrhythmia	Destruction of tissue

Specification on Base Unit

- 4 Preset Frequencies
- 1 Variable Frequency
- Frequency: 5-3000 Hz
- 2 Ports for Dual-Emitter capability
- Customizable treatment time settings
- Customizable Infrared and Laser Output
- Auto Power shut off
- 5 Operating Languages (English, Spanish, Dutch, French, and Russian)
- Durable and Lightweight

Specification on TerraQuant TQ-1 Emitter

- Super Pulsed Laser: Peak Power 25W (25,000 mW)
- Infrared Emitting Diodes: 60mW
- Red Light Emitting Diodes: 7.5mW
- 1 GaAs Super Pulse Laser Diode
- 4 Infrared Emitting Diodes
- 4 Red Light Emitting Diodes
- Coverage area: 4 cm²
- Wavelengths
 - Laser - 905nm
 - Infrared - 875nm
 - Red Light - 660nm
- Magnetic Field Generation: 35mT
- Allows for attachable probes

Regulatory Approvals

Australia: TGA ARTG 94821
Belarus: Certificate IM-7.2669
Bulgaria: Certificate 26-00-145/2310
European Union (26 countries): CE2017509CE01
Israel: Certificate 0344
Indonesia: Certificate 490/STP-LN/BUP/3/111/2000
Kazakhstan: Certificate RK-MT-5#00982
Romania: Certificate 6085/2002
Russia: 29/06010201/2053-01
Singapore: HAS-600-43/01,115-2003-1
Slovenia: 5373-646-/02-02719
Slovakia: 0352-/101/1/202
USA: 510(k) Cleared
UK: CE 0344

Accessories (included)

- Carrying case
- Treatment protocol manual
- Safety goggles
- 2-Year Limited Warranty

Upgrades

- Dual emitters
- 50W 4 Laser Diodes Laser Shower Emitter
- Wheeled medical cart
- Acupuncture probes

Diplomas and Industry Recognition



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