The Benefits of Diowave High Dose Laser Therapy in your practice

**Power**
The Diowave platform of lasers can deliver considerably more therapeutic laser energy than all other Class III and IV therapy lasers available on today’s current market.

**Wavelength**
The optimal single wavelength of 980nm is used for maximum penetration, with choice of operating modes from continuous wave (CW); single pulse and pulsed modes. Penetration is paramount in order to stimulate deep musculoskeletal, vascular, lymphatic, and neurological structures.

**Dose**
More power combined with the correct wavelength equates to deeper penetration, faster treatment times and delivery of the proper therapeutic dosage, an enhanced ability to treat difficult conditions, and ultimately better clinical outcomes.

**Conditions Treated with Diowave High Dose Laser Therapy™**

**Feline**
- Acute & Chronic Otitis
- Sinusitis Rhinitis
- Gingivitis
- Stomatitis
- Wound Healing
- Cystitis
- Degenerative Joint Disease

**Canine**
- Acute & Chronic Otitis
- Degenerative Disc Disease
- Hot Spots
- Dermatological Disorders
- Arthritis
- Lick Granulomas
- Anal Glands
- Hip Dysplasia
- Degenerative Joint Disease
The Best Profit Center For Your Practice Brings a New Level of Patient Care

Treat More Patients
Faster therapy treatment times and surgical procedures results in the ability to treat more conditions and more patients.

Clinical Training
Training and Education is a part of every laser purchase. This training may be provided via printed items, online (web-based) or onsite at your practice. Continuing Education is available for additional training for specific laser applications and procedures. Custom Training for ½ day or 1 day sessions is available for a separate fee. These sessions are provided by experienced clinicians with hands-on training focus.

Low Overhead
Veterinary Technicians and other staff can be trained and certified to administer the laser therapy treatments. No special facility build outs or other equipment are needed.

Fast ROI Pays for the Laser
The Multi-Use Applications of the DIOWAVE Laser results in multiple revenue streams, often paying for the laser in 6-12 months.

Practice Builder Programs
To maximize your practice success, a wide variety of marketing tools are included with each laser purchase including:
- Brochures
- Posters
- Marketing Packet with Samples of Print Ads, Flyers, Coupons and Radio / TV Spots
- Website Tools with photos, text and tools for adding Laser Therapy to your Practice Website
High Dose Laser Therapy

**Benefits**
Non-invasive Drug and Side-Effects Free Pain Management
Treats both Acute and Chronic Conditions
Highly Affordable Doctor and Patient Therapy Option

**Bio-stimulatory Effects of High Dose Laser Therapy**
Accelerated Tissue Repair and Cell Growth
Profound Anti-inflammatory and Analgesic Effects
Accelerated Wound Healing
Reduced Fibrous-Scar Tissue Formation
Improved Vascular Function
Increased Nerve Regeneration and Function
Trigger Point Resolution and Acupuncture Stimulation
Immune System Enhancement

**Common Small Animal and Equine Clinical Application**

- Arthritis, Degenerative Joint Disease
- Tendon Suspensory and Ligament Disorders
- Back and Muscle Soreness
- Disc and Neurologic pathologies
- Stifle Hip and Sacro-iliac disorders
- Epiphysitis, Carpitis, Sesamoiditis
- Laminitis and Navicular Disease
- Pre and Post-Surgical Hard and Soft Tissue Trauma
- Wound Healing – Acute or Chronic,
- Dental Conditions – Surgical and Non-Surgical
- Otitis Externa
- Non-specific Dermatological Conditions
Laser Surgery
with Diode Lasers (Optional)

Diode laser energy can be applied superficially, as well as in open and endoscopic surgery. Thin flexible fibers deliver required amounts of energy into the body in a minimally-invasive technique. Both cutting and coagulation are performed in a single step reducing bleeding, less pain, faster healing and quicker recovery.

Clinical Benefits of Diode Laser Surgery
An Alternative to Traditional Surgery

Reduced Pain
The Diowave™ Laser seals nerve endings as it cuts through tissue; this reduces the amount of pain the patient feels during and after surgery.

Reduced Bleeding
The Diowave™ Laser cauterizes and seals small blood vessels as it cuts; this laser energy achieves hemostasis and provides the surgeon with a bloodless surgical field in most procedures.

Reduced Swelling
Diowave™ laser surgery is minimally invasive, eliminating the tearing and bruising of tissue associated with traditional surgical methods; lymphatic vessels are also sealed.

Reduced Infection
Diowave™ Laser energy acts as an antibacterial agent by producing high temperatures, effectively eliminating microorganisms.

Quicker Recovery
Laser surgery provides much quicker recovery times by reducing swelling, lessening the chance of infection, reducing pain, and preventing blood loss.

Smoke Evacuation Systems Available (additional Cost)
Choice of Operating Modes  
**Continuous Wave (CW) or Pulsed Modes (Frequencies)**  
Equipped with an internal fan cooling system, the Diowave Laser can be operated in a Continuous Wave (CW) mode throughout the day, without overheating. Other lasers are forced to use “super pulsing” or extensive pulsing protocols, due to their inability to provide a consistent amount of energy without overheating. The Diowave Laser also has programs to allow treatments requiring specific pulsed mode settings.  

**Maximum Penetrating Therapeutic Dosage (MPTD) MPTD Features**  
Diowave Lasers have been designed to uniquely combine higher power, single wavelength and larger treatment spot size for maximum power density. Power density indicates the degree of concentration of the power output. This property has been shown to play a major role in therapeutic outcomes. In sharp contrast to other lasers using dual or multiple wavelengths, the laser beam penetration is reduced by 50% or more. Dual or multiple wavelength lasers only penetrate as deep as each wavelength individually. The penetration is not additive.  

**Flexible Fiber Optic Cables**  
**Reliable Laser Transmission Output**  
Each fiber optic cable has been developed for maximum flexibility during use, while maintaining overall durability to ensure reliable and consistent laser energy transmission to the end of the hand piece.  

**Handpiece Options**  
**Larger Treatment Surface Area**  
The Standard Hand Piece features a large treatment beam. This is important when treating large regions, such as the lumbar spine, quadriceps or hips.  

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**TECHNICAL SPECIFICATIONS**  
- Laser Type: GaAlAs Diode Laser  
- Models: Diowave 10W, Diowave 15W  
- Wavelength, Laser: 980nm, 810nm also available  
- Maximum Power: 10 watts (Diowave 10W)  
- 15 watts (Diowave 15W)  
- Operation Modes: Continuous Wave (CW)  
- Pulsing (Frequency) Single or Repeat Variable Pulse  
- Pulse Duration: 10μs-3s  
- Repetition Rate: 0.2Hz-20KHz  
- Fiber Sizes: 400 microns  
- Fiber Connector: Standard SMA905  
- Aiming Beam: Red Diode Laser  
- Wavelength: 635nm  
- Power: 1-3mW  
- Control Mode: Touch Screen, Keyless, Micro Touch Key  
- Voltage: 110/220 VAC, 5A, 50/60 Hz  
- Dimensions: 8.5” (W) X 9.6” (L) X 122”(H)  
- Weight: 8 lbs.  
- Protocols: Pre-Sets Protocols Built in  
- Customizable Pre-Set Option  
- Accessories: Heavy Duty Carrying Case (included)  
- Safety Goggles (2 pair included)  
- Handpiece – Therapy (included)  
- Handpiece – Surgery (included)  
- Portable Cart (available separately)  
- Warranty: 3 Years
**DIOWAVE LASER SYSTEM – 30 & 60 Watts**

**Handpiece On / Off Switch**

**Safe and Easy**

Turning the laser treatment beam off and on is quick and easy with the built-in finger switch. An optional Foot On / Off Pedal is also available.

**High Quality Diode Technology Higher Power for Larger Dosages of Therapeutic Energy**

Providing 10, 15, 30 or 60 watts of power, the Diowave Class IV Laser can deliver up to 1,500 times more energy than other therapy lasers. More power equates to deeper penetration, faster treatment times and delivery of the proper therapeutic dosage, an enhanced ability to treat difficult conditions, and ultimately better clinical outcomes.

**Optimal 980nm Single Wavelength**

**Deeper Penetration into the Body**

Diowave Lasers provide a Single Wavelength of 980nm for maximum penetration. Penetration is paramount in order to stimulate deep musculoskeletal, vascular, lymphatic, and neurological structures. Because 65% of laser energy is absorbed in the skin and subcutaneous tissue layers, the higher wavelength of 980nm is proven to be most effective due to its low melanin, low water, low hemoglobin absorption rates, with the result of an optimal wavelength for stimulating tissue at greater depths of penetration.

**Large Color Touch Screen**

**Easy to Use Interactive Menu and Protocols**

Laser therapy treatments are administered through a built-in database of treatment protocols accessible through the 8” color touch-panel LCD display. User-Defined Protocols are also available for those who want to create and save their own protocols.

**USB Port**

A built-in USB port provides the ability to upload future software changes and update.

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Company Overview

The Original Pioneer in Class IV Lasers

Mission Statement

Our Mission is to develop, manufacture, and market advanced medical products including laser technologies to improve the quality of life for the millions of people and animals who suffer from pain and injury. Quality, Reliability and Integrity are the primary focus of our Company.

New Practice Changing Technology

Technological Medical Advancements, LLC (TMA) is a new generation company, combining the latest in advanced medical technologies and products with a fresh outlook to bring innovative solutions in the medical and veterinary markets.

The Company provides not only highly reliable products but expertise in design, manufacturing, production, support, and the resources and tools to incorporate its technology and products into a practice or facility successfully.

With over 30 years combined experience, the management of the Company has specific expertise in the field of state-of-the-art laser development, systems integration and manufacturing. We offer the most advanced technologies to our clients, with a never-ending dedication to innovation.

Commited to your Success

Each Diowave Class IV Laser System has been designed by experienced engineers and clinicians to provide years of reliable usage. We back this up by a comprehensive 3 Year Warranty, one of the best available.

In addition, we offer a Customer Service Program, a Patient Marketing Program and a Clinical Training Program that will support you regarding the safe and effective use of our laser system. Your success is our success.

Act Now. Schedule a Free No Obligation Demonstration Today!

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