High Dose Laser Therapy
Multi-Use Laser Systems For Therapy & Surgery
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.

High Dose Laser Therapy

Common Small Animal and Equine Clinical Applications

- 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
**How Does**

**Anti-Inflammation**
Laser light causes vasodilation, and activates the lymphatic drainage system (drains swollen areas). As a result, there is a reduction in swelling caused by bruising or inflammation and less pressure on pain receptors.

**Anti-Pain (Analgesic)**
Laser light facilitates better transmission of nerve impulses through the stimulation of neurotransmitter cells, reducing and eliminating pain through more effective function of tissue surrounding peripheral nerves and by temporarily suppressing pain receptors.

**Increased Nerve Regeneration and Function**
Slow recovery of nerve functions in damaged tissue can result in numbness and impaired limbs. Laser light will speed up the process of nerve cell reconnection and increase the amplitude of action potentials to optimize muscle action.

**HDLT Work?**

**Improved Vascular Activity**
Laser light will significantly increase blood flow to injured tissue as well as the formation of new capillary growth.

**Accelerated Tissue Repair and Cell Growth**
Photons of light from lasers penetrate deeply into tissue and accelerate cellular reproduction and tissue regeneration and growth. Laser light also activates stem cells in the treatment area. This leads to faster wound healing with minimal scar tissue.

**Trigger Point Resolution and Acupuncture Stimulation**
Laser therapy stimulates muscle trigger points and acupuncture points on a non-invasive basis providing musculoskeletal pain relief.
**The Best Profit Center For Your Practice**

**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 1/2 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.

**Brings a New Level of Patient Care**

**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
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.

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

QUICKER RECOVERY
Laser surgery CAN ENHANCE RECOVERY times by reducing swelling, lessening the chance of infection, reducing pain, and preventing blood loss.

Smoke Evacuation Systems Available (Additional Cost)
### TECHNICAL SPECIFICATIONS

<table>
<thead>
<tr>
<th>DIOWAVE™ USA LASER SYSTEM – 20, 30, 45, 60 Watts</th>
<th>DIOWAVE™ LASER SYSTEM – 60 Watts</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Laser Type</strong></td>
<td>GaAlAs Diode Laser</td>
</tr>
<tr>
<td><strong>Models</strong></td>
<td>Diowave USA 20, 30, 45, 60 watts*</td>
</tr>
<tr>
<td><strong>Wavelength, Laser</strong></td>
<td>980nm</td>
</tr>
<tr>
<td><strong>Maximum Power</strong></td>
<td>20, 30, 45 or 60 watts</td>
</tr>
<tr>
<td><strong>Operation Modes</strong></td>
<td>Continuous wave (CW)</td>
</tr>
<tr>
<td><strong>Pulse Duration</strong></td>
<td>10μs-3s</td>
</tr>
<tr>
<td><strong>Repetition Rate</strong></td>
<td>0.2Hz-20KHz</td>
</tr>
<tr>
<td><strong>Fiber Sizes</strong></td>
<td>600 microns</td>
</tr>
<tr>
<td><strong>Fiber Connector</strong></td>
<td>Standard SMA905</td>
</tr>
<tr>
<td><strong>Aiming Beam</strong></td>
<td>Red Diode Laser</td>
</tr>
<tr>
<td><strong>Wavelength</strong></td>
<td>635nm</td>
</tr>
<tr>
<td><strong>Power</strong></td>
<td>1-3mW</td>
</tr>
<tr>
<td><strong>Control Mode</strong></td>
<td>Computer Touch Screen</td>
</tr>
<tr>
<td><strong>On / Off</strong></td>
<td>Keyless, Micro Touch Key</td>
</tr>
<tr>
<td><strong>Voltage</strong></td>
<td>110/220 VAC, 5a, 50/60 Hz</td>
</tr>
<tr>
<td><strong>Dimensions</strong></td>
<td>16.3” X 16.4” X 8.5”</td>
</tr>
<tr>
<td><strong>Weight</strong></td>
<td>26 lbs.</td>
</tr>
<tr>
<td><strong>Protocols</strong></td>
<td>Custom Training Module</td>
</tr>
<tr>
<td><strong>Accessories</strong></td>
<td>Heavy Duty Pelican Carrying Case (optional)</td>
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<tr>
<td></td>
<td>Safety Goggles (3 pair included)</td>
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<tr>
<td></td>
<td>Handpiece – Therapy (included)</td>
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<td></td>
<td>Portable Cart (included)</td>
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<tr>
<td><strong>Warranty</strong></td>
<td>3 years</td>
</tr>
</tbody>
</table>

* The 20, 30 and 45 watt lasers are all upgradeable.
MISSION STATEMENT – BUY AMERICAN
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. The Diowave USA Laser will be the first of its kind to be truly engineered and manufactured in the United States using the finest components available.

COMMITTED TO YOUR SUCCESS
Each Diowave USA Class IV Laser System has been designed by experienced engineers and clinicians to provide years of reliable use. We back this up by a comprehensive three (3) year warranty, 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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