

# UltrOZ™

## Performance and Recovery Therapy System

*“The First Wearable Ultrasound Therapy System for Horses”*



Heal Faster. Recover Stronger

**STAY IN THE COMPETITION**

**ZetroOZ™**

# A BREAKTHROUGH IN ULTRASOUND TECHNOLOGY

- The Ultroz System is the only patented therapeutic ultrasound system available for the equine athlete:

- Wearable (hands free)
- battery operated



- Developed at Cornell University, home of the world renowned Cornell Veterinary Hospital

- Treatment for:

- Maintaining Performance
- Recovery from Injury or Surgery

- Facilitates both Pain Relief and Healing





# A BREAKTHROUGH IN ULTRASOUND TECHNOLOGY

- First major advancement in therapeutic ultrasound in more than 30 years
- Patented innovative ultrasound miniaturization technology, it has provided a significant enhancement in Low Intensity Therapeutic Ultrasound (LITUS Therapy)
- LITUS is quickly emerging as the safest and most effective method of providing ultrasound therapy.



# BENEFITS OF THERAPUETIC ULTRASOUND

Provides thermal and non-thermal mechanical stimulation to promote:

- Increased cellular temperature
- Increased blood circulation
- Increased cross-tissue nutrient transfer
- Increased local cell activity through mechanical wave interaction (i.e. a cellular massage)



# ONE SOLUTION FOR MANY APPLICATIONS

Getting your horse to peak competitive condition – and maintaining that condition – is an ongoing challenge. It can not only help your horse get back faster and better than before, but to stay in the competition.

The Ultroz is ideal for:

- Reducing swelling & inflammation
- Increasing tissue flexibility
- Reducing pain and irritation
- Increasing healing response in tendon, muscle, and bone



# DRUG FREE TREATMENT

- The Ultroz Helps the Horse's Body to Help Heal Itself...Naturally
- Recovery is Quicker
- Healing is Stronger, with less risk of recurring injury



# DEEP TARGETED HEALING

- Treats a “softball sized area” with deep penetration affecting an area ~2”-3” deep and ~3” in diameter
- Great for joints, tendons, and bones
- Providing up to 5 hours of continuous therapy.
- The longer the treatment, the better the clinical outcomes



# DESIGNED FOR DAILY USE

- **PORTABLE** - Unattended Treatment without interruption of daily activities
- **Rechargeable battery pack** enables therapy when and where it is needed most
  - Standing in a stall
  - Traveling in a trailer
- **FLEXIBLE** - Use as a standalone treatment or in combination with other treatment methods
- **SIMPLE** - Easy to maintain equipment with no moving parts





# PRE AND POST USEAGE

- Using Ultroz on legs and hocks before and/or after riding will increase blood flow and loosen up joints and tendons, offering an easier way to prepare your horse for the demands of a strenuous workout or competition
- The result is a reduced risk of strain and better overall performance
- In addition to treating injury, Ultroz is ideal for:
  - Pre-workout warm-ups
  - Pre-competition warm-ups
  - Flexibility treatment

# ● ● ● | SET UP IN FOUR EASY STEPS



- 1 - Apply Ultrasound Gel to the black transducer button on the unit
- 2 - Place the Ultroz unit to the problem area site
- 3 - Secure the Ultroz unit with the recommended Application Wrap
- 4 - Turn the Ultroz unit on



# TREATMENT

- Treatment times for most common injuries are between 3 – 5 hours each day.
- There is no need for active participation during treatment. Set it and leave it.
- Painless Comfortable Treatment. When properly administered LITUS therapy results in a pleasant warming feeling. The horse should NOT feel vibration, shock, or burning during treatment.
- You CANNOT over-treat with LITUS.
- Most users find that the longer the treatment, the better the outcome.



# SAFETY

- Treatment is preset to a safe level and cannot be modified.
- Built in Shutoff Switch if unit exceeds temperature setting
- The ultrasound intensities delivered by the UltrOZ are well within the safety standards imposed by the FDA and other governing bodies such as the American Institute of Ultrasound in Medicine (AIUM)
- **YOU CANNOT BURN YOUR HORSE WITH THE ULTROZ SYSTEM!**



# CONTRAINDICATIONS

- Do not use on eyes
- Do not place directly on open wounds, or inserted inside the animal
- Discontinue use if the skin becomes inflamed or irritated
- Contact a veterinarian if the horse shows signs of increased inflammation or irritated skin



# PROVEN EFFECTIVE

- Thousands of clinical studies have been published regarding the use of ultrasound therapy and low intensity ultrasound therapy (LITUS)
- Therapeutic ultrasound therapy has been used in human medicine as a non-invasive and drug free treatment modality for over 60 years.

# WARRANTY

- Two Year warranty
- **Additional Breakage Warranty** available that covers 100% of unit regardless of cause

- **Ultroz Promise:**

We promise that you will be fully satisfied with your purchase, and if not, you can return it within 30 days for a full refund.





# PRODUCT SPECIFICATIONS

- **Total Acoustic**

  - Output Power:** 0.5 Watts

- **Frequency:** 2.75 MHz

- **Intensity:** 0.08 Watts/cm<sup>2</sup>

- **Duty Cycle:** Continuous

- **Beam Form:** Wide Beam

- **Transducer**

  - Dimensions:** 1" diameter

- **Battery Life:** 5 hours of continuous use per full charge





# ULTRASOUND GEL

- Ultrasound Gel must be used at all times.
- The ultrasound gel is critical in coupling the ultrasound applicator to the body. In other words, the ultrasonic energy cannot get into the body without a water or gel like substance as an interface. Otherwise, the energy simply reflects off the skin's surface.
- Any standard ultrasound gel will work



# THE SCIENCE BEHIND ULTROZ

- Therapeutic Ultrasound “Sound Waves” Proven By Science
- Therapeutic Ultrasound is one method of stimulating tissue deep beneath the skin’s surface using sound waves.
- Sound waves are completely inaudible to humans and animals
- Penetrates up to 3” below the surface of skin □



# THE SCIENCE BEHIND ULTROZ

- High frequency sound, like medicine, affects very small molecules and cells in the body
- As energy enters the tissue it causes molecules to vibrate
- Vibration causes both an increase in temperature
- Vibration also causes an increase in the ability of cells and nutrients to move through tissue
- Circulation and cellular agitation are critical elements in the body's natural healing process



# TESTIMONIAL: SPLINT

“The horse was 40% improved at 7 days, 100% sound at 2 weeks.

The splint reduced in size 50% by week 3.

The speed of return to soundness and the rapid reduction in the size of the splint were atypical components of the outcome compared to the normal case.

The horse has remained sound and back into work 6 weeks later.”

***Dr. Chris Newton, Rood & Riddle Equine Hospital***



# TESTIMONIAL: FRACTURE

"It is my veterinary medical opinion that UltrOZ therapeutic ultrasound is responsible for the majority of increased fracture healing noted in the past 30 days.

This particular system is ideal because it is very user-friendly, which allows the barn manager or trainer to apply the therapy daily without a licensed therapist or veterinarian involved."

***Dr. Holly Schmitt, Hagyard***



## TESTIMONIAL: PAIN

“UltrOZ has the potential to significantly help animals suffering from pain and reduce the need for invasive therapies.”

***Dr. Andrea Looney, Cornell Veterinary Hospital***

“UltrOZ to be effective against chronic pain in horses. It is easy to apply and small enough that horses are not bothered by its presence.”

***Mimi Porter, Equine Therapist***



## TESTIMONIAL: STRAINS/BRUISES

“I can honestly say that I've seen some very positive results. UltrOZ has cut days off the healing process for strains and bruises and has helped me maintain my horse athletes.”

***Coach Dave Eldredge, Cornell Male and Female Polo Coach***



# TESTIMONIAL: COMPETITION

“We used it every morning at the show before she was ridden and everyday she came out of her stall even looser up front than the day before. We also used it on the big grey horse for his splint and within 1 treatment the golf ball sized splint was almost completely gone.”

***Kriston and Sam Kosinski, Sunset Ridge Farm***





## TESTIMONIAL: DAILY USE

"We used the UltrOZ machine for about two months and have seen marked improvement in our horses. In a program like ours, with many horses in training, it is important for therapy and maintenance to be time and cost efficient.

The UltrOz machine fits this requirement and gives us results!"

***Colleen and Tim McQuay, McQuay Stables***



# TESTIMONIAL: SUSPENSORY

“The filly never exhibited any soreness in the suspensory ligament, which is unusual with splints this size.

The splint was reduced in size by 30% over the 4 week period of use.

The reduction of splint size during an increase in exercise activity was atypical and positively correlated with the use of the UltrOZ therapeutic unit.”

***Dianne Volze, Equine Therapist***



# COMPARISON

## **Ultroz Wearable Therapeutic Ultrasound**

Portable – Treat Anywhere

Unattended – Requires No Supervision

User Certification - NONE Required

No Training – one setting – on/off button

Painless Treatment – Comfortable

Easy Placement - Apply Therapy Where Needed

Settings – All Preset – Nothing to Adjust or Set

Contraindications – Minimal

Bone Healing – YES

Provides Pain Relief

Provides Healing

Safety Risks – NONE

Compliance – HIGH

## **Traditional Therapeutic Ultrasound**

Not Portable – Requires AC/DC

Attended – Requires Supervision

User Certification - YES, Training Required

Training Required

Treatment may be painful or uncomfortable

Placement – Requires Professional Planning

Settings – Must Adjust Intensity, Mode, Frequency

Based on Protocols

Contraindications – Numerous

Bone Healing - NO

Provides Pain Relief

Provides Healing

Safety Risks – HIGH

Compliance - LOW

# SUMMARY

- Leading edge LITUS technology
- Easy to apply & use
- Minimal Staff time and supervision
- Safe – no side effects
- Effective - Significantly shortens healing time
- Use Daily for improved performance and health
- Excellent Warranty
- Lower overall cost for ROI





# OWN THE ULTROZ

- **No Prescription Required.** Many veterinarians recommend the use of UltrOZ Elite to aid in healing, however a prescription is not required to purchase or use the system.
- **Purchase**
- **Rent** (monthly)
- **Lease** (multiple units)

● ● ● | **MANUFACTURER**

**ZetroZ**<sup>TM</sup>

**PROUDLY MADE IN THE USA**



Made in USA

**Zetroz, LLC**

421 North Aurora Street

Ithaca, New York 14850

Phone: 888-202-9831

Email: [sales@ultroz.com](mailto:sales@ultroz.com)

Website: [www.ultroz.com](http://www.ultroz.com)

**ZetroZ**<sup>TM</sup>