



# The Ultimate Ultrasonic Gun Cleaning System<sup>®</sup>

- *Cleans, conditions and lubricates*
- *Provides a uniform standard of cleanliness*
- *Leaves weapons with a "factory new" look*
- *Eliminates manual labor*



*"You won't believe the results"*



**L&R**<sup>®</sup>  
ULTRASONICS

# L&R's *Quantrex*<sup>®</sup> SYSTEMS SET THE STANDARD FOR FIREARMS CLEANING

L&R offers the most advanced technology in Ultrasonic Cleaning, with increased power for greater cavitation, more standard features and the most comprehensive warranty in the industry. Each Quantrex Ultrasonic Firearms Cleaning System features:

- *Stainless Steel Cover with multi-positioning drain*
- *Automatic Tuning*
- *Worldwide approvals from ETL (CAN, US), CE mark and complies with FCC part 18 sub part C*
- *ISO 9001 registered organization*
- *L&R's Warranty: Each unit is covered, in its entirety, for defects in materials and workmanship for 2.5 years. Housing is warranted for 5 years and tank-to-transducer bonding for 10 years.*
- ***C<sub>2</sub>Heat** generates and maintains consistent incremental heat that optimizes and accelerates the cleaning process*

## ULTRASONIC CLEANING SYSTEM SET-UPS



**140 Set-Up #18631**

*Perfect for the individual enthusiast*

- 9-3/8" x 5-3/8" x 4" Tank size (23.8 x 13.7 x 10.2 cm)
- Timer and Heater
- Cleaning/Lubricating Basket
- Lubricating Pan
- 1 gal. (3.8L) Weapon Cleaning Concentrate (yields 11 gals/41.6L solution)
- 1 gal. (3.8L) Weapon Lubricating Solution



**210 Set-Up #18633**

*Most popular for handgun cleaning*

- 11-3/4" x 6" x 6" Tank size (29.8 x 15.2 x 15.2 cm)
- Timer and Heater
- Cleaning/Lubricating Basket
- Lubricating Pan
- 1 gal. (3.8L) Weapon Cleaning Concentrate (yields 11 gals/41.6L solution)
- 2 gals. (7.6L) Weapon Lubricating Solution



**255 Set-Up #18639**

*Ideal for cleaning tactical weapons*

- 19-3/4" x 5-1/2" x 6" Tank size (50.2 x 14.0 x 15.2 cm)
- Timer and Heater
- Cleaning/Lubricating Basket
- Lubricating Pan
- 4 gals. (15.2L) Weapon Cleaning Concentrate (yields 44 gals/166.6L solution)
- 4 gals. (15.2L) Weapon Lubricating Solution



**280 Set-Up #18637**

*Allows for simultaneous cleaning and lubricating of handguns*

- 11-3/4" x 9-3/8" x 6" Tank size (29.8 x 23.8 x 15.2 cm)
- Timer and Heater
- Cleaning/Lubricating Basket
- Lubricating Pan
- 4 gals. (15.2L) Weapon Cleaning Concentrate (yields 44 gals/166.6L solution)
- 4 gals. (15.2L) Weapon Lubricating Solution



**420 Set-Up #18635**

*Perfect for cleaning and lubricating multiple handguns simultaneously*

- 11-3/4" x 6" x 6" Tank size each (29.8 x 15.2 x 15.2 cm)
- Timer and Heater
- Cleaning/Lubricating Basket
- 1 gal. (3.8L) Weapon Cleaning Concentrate (yields 11 gals/41.6L solution)
- 2 gals. (7.6L) Weapon Lubricating Solution



**510 Set-Up #18647**

*Perfect for simultaneous cleaning and lubricating of multiple tactical weapons*

- 19-3/4" x 5-1/2" x 6" Tank size each (50.2 x 14.0 x 15.2 cm)
- Timer and Heater
- Cleaning/Lubricating Basket
- 4 gals. (15.2L) Weapon Cleaning Concentrate (yields 44 gals/166.6L solution)
- 4 gals. (15.2L) Weapon Lubricating Solution

## MOST VERSATILE LAW ENFORCEMENT SYSTEM SET-UPS

### 650 Tactical Package Set-Up #18644

*Ideal for simultaneous cleaning and lubricating of tactical weapons and/or handguns*

- 19-3/4" x 11-3/4" x 6-1/2" Tank size (50.2 x 29.8 x 16.5 cm)
- Timer and Heater
- Tactical Package: Streamline Lubricating Pan, 2 Streamline Baskets, 2 Covers
- 4 gals. (15.2L) Weapon Cleaning Concentrate (yields 44 gals/166.6L solution)
- 8 gals. (30.4L) Weapon Lubricating Solution



### 650 Classic Handgun Set-Up #18642

*Ideal for simultaneous cleaning and lubricating of multiple handguns*

- 19-3/4" x 11-3/4" x 6-1/2" Tank size (50.2 x 29.8 x 16.5 cm)
- Timer and Heater
- Classic Handgun Kit: Half-Size Lubricating Pan, 2 Baskets, 2 Covers
- 4 gals. (15.2L) Weapon Cleaning Concentrate (yields 44 gals/166.6L solution)
- 8 gals. (30.4L) Weapon Lubricating Solution

# CLEANING TACTICAL FIREARMS AND LONG GUNS IS MORE CONVENIENT AND EFFICIENT USING L&R'S LE SERIES ULTRASONIC CLEANING SYSTEMS

L&R's LE Series accommodates long guns as well as handguns. These systems are designed to operate concurrently: While one set of guns is being cleaned, a set of guns already cleaned can be lubricated, streamlining the process. All LE Set-Ups feature:

- *Stainless steel chamber construction*
- *High-reliability composite transducers*
- *Digital timer with memory cycle*
- *Thermostatically controlled heater*
- *CA2 Heat to optimize and accelerate the cleaning process*

## CPO GENERATOR POWER AND RELIABILITY

All LE Series Systems come with L&R's Model 4002 **Constant Power Output (CPO)** ultrasonic generators. CPO generators maintain a constant power level regardless of solution level, cleaning load or voltage fluctuations, ensuring greater cleaning reliability, consistency and repeatability.



Clean and Lubricate Simultaneously

LE 36



SweepZone™ Technology Generator

### LE 36 Set-Up (Shown) #18640

- 36" x 6" x 8" Tank size (91.4 x 15.2 x 20.3 cm)
- Digital timer and thermostatically controlled heater
- Weapon/Lubricating Racks (adjustable compartments for accommodating various size weapons)
- Full-size Lubricating Pan
- Drip-proof flanges on tank
- Half-size Weapon Pan, Basket and Cover
- 4 gals. (15.2L) Weapon Cleaning Concentrate (yields 44 gals/166.6L solution)
- 8 gals. (30.4L) Weapon Lubricating Solution

### LE 236 Set-Up #18654

- Dual LE 36 tanks*
- 36" x 6" x 8" Tank size each (91.4 x 15.2 x 20.3 cm)
  - Digital timer and thermostatically controlled heater
  - Drip-proof flanges on tank
  - Weapon/Lubricating Racks (adjustable compartments for accommodating various size weapons)
  - 4 gals. (15.2L) Weapon Cleaning Concentrate (yields 44 gals/166.6L solution)
  - 8 gals. (30.4L) Weapon Lubricating Solution
  - Mounted on a stainless steel stand

All LE Set-Ups are designed for high-volume usage accommodating handguns, tactical and long guns



### LE 50



### LE 250



### LE 50 Set-Up #18643

- 52" x 6-1/4" x 7" Tank size (132 x 15.9 x 17.8 cm)
- Digital Timer
- Weapons Rack
- Lubricating Pan
- Lubricating Rack
- 5 Small Weapon Pans, Covers and Baskets
- 8 gals. (30.4L) Weapon Cleaning Concentrate (yields 88 gals/333.1L solution)
- 16 gals. (60.8L) Weapon Lubricating Solution

### LE 250 Set-Up #18650

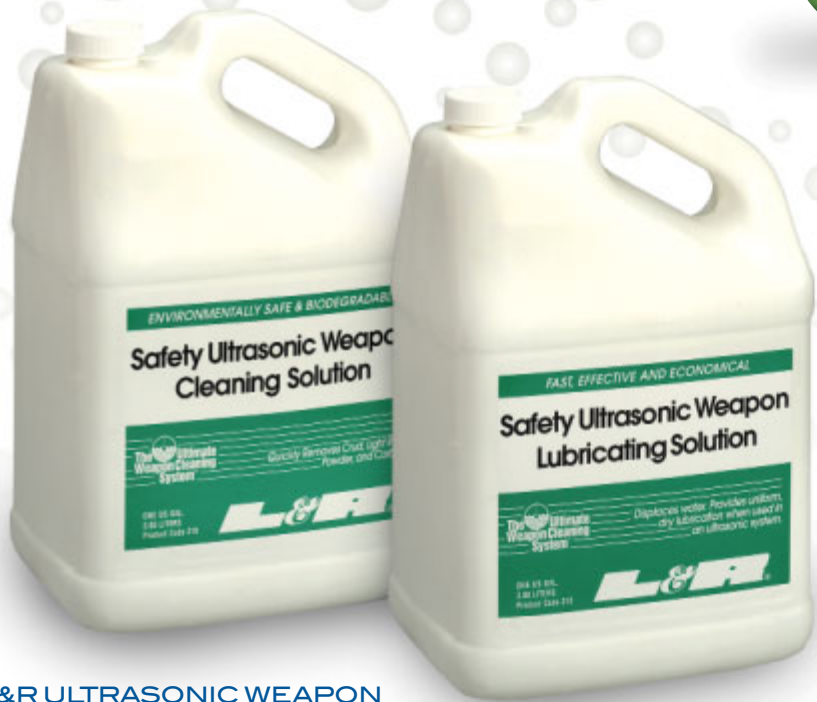
- Dual LE 50 Tanks*
- 52" x 6-1/4" x 7" Tank size each (132 x 15.9 x 17.8 cm)
  - Mounted on stainless steel stand at 36" Working Height
  - Digital Timer
  - 2 Weapon/Lubricating Racks
  - 10 Small Weapon Baskets
  - 8 gals. (30.4L) Weapon Cleaning Concentrate (yields 88 gals/333.1L solution)
  - 16 gals. (60.8L) Weapon Lubricating Solution



Q650 Classic Handgun



# L&R ULTRASONIC CLEANING AND LUBRICATING SOLUTIONS



## L&R ULTRASONIC WEAPON CLEANING SOLUTION CONCENTRATE NON-AMMONIATED

Intensifies the ultrasonic cleaning process. Non-ammoniated to preclude surface damage. Eliminates the use of harmful solvents. A powerful surfactant maximizes cleaning with virtually no odor. Concentrated, biodegradable and environmentally friendly. Economical; 1 gallon yields 11 gallons of solution.

## L&R ULTRASONIC WEAPON LUBRICATING SOLUTION

Blended and ready-to-use. Conditions and lubricates firearms after cleaning. All traces of water are displaced, leaving the firearm with a uniform, dry lubrication. In a matter of minutes, your weapon looks and feels "factory new." Economical.



## HANDCUFF DISINFECTANT KIT

Many Law Enforcement situations have the potential for exposure to blood or other infectious materials. As a result, OSHA requires compliance with 29CFR1910.1030 for Bloodborne Pathogens. Therefore, thorough cleaning and disinfecting of handcuffs, leg irons, waist chains, gang chains and restraints are a must.



## UltraDose® GERMICIDAL HOSPITAL GRADE ULTRASONIC CLEANER CONCENTRATE

This concentrated germicidal solution is formulated to serve both as a presoak prior to ultrasonic cleaning and as an ultrasonic cleaning solution. L&R's unique formulation allows use as a disinfectant for handcuffs, leg irons and other apparatus that become contaminated with blood. UltraDose is a reliable germicidal concentrate that kills a broad spectrum of micro-organisms, including HIV-1, Herpes Simplex 2 and Mycobacterium Bovis (TB). A dual-neck bottle delivers an accurate 1-ounce unit dose.

## WHY ALL FIREARMS NEED L&R'S ULTRASONIC CLEANING

Firearms frequently need to be thoroughly cleaned and lubricated to assure continued operational reliability. Residue can accumulate and cause malfunctions. A change in the operating function is a warning sign that may signal impending failure.

L&R's Ultrasonic Cleaning Systems safely clean firearms more effectively than manual cleaning, providing a uniform standard of cleanliness. Even "impossible to reach by hand" areas are cleaned effectively and efficiently with simple field stripping. Ultrasonic lubrication displaces all traces of water in minutes, leaving each firearm with a uniform, dry lubrication.



## HOW L&R'S ULTRASONIC CLEANING AND LUBRICATING TECHNOLOGY WORKS

High-frequency sound waves are used to produce more than 40,000 alternating high and low pressure waves per second. As these waves travel through the specially formulated cleaning solution, millions of microscopic vacuum bubbles form and implode. This process, known as cavitation, creates an action capable of cleaning up to 16 times more effectively than hand cleaning. In minutes, all dirt, crud, light rust, loose lead, powder buildup and copper residue are removed from even the tiniest grooves and interior areas of the weapon.



**Firearms Cleaning Division**

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