



# ULTRASONIC CLEANING SYSTEMS FOR INDUSTRIAL APPLICATIONS



MODEL 1610  
6-Gallon Capacity Unit  
Features Self-Contained Multi-Frequency  
Amplifier and Thermostat-Control  
Heating System

- The final operation in a Lapping or Polishing process is precision cleaning that is needed to be thorough, repeatable and fast. The new Lapmaster series of Ultrasonic Cleaning Systems for Industrial Applications is designed to meet such criteria. These systems (4 standard models are available) are enabled to remove oils, waxes or slurry off most surfaces, leaving no residue, damage, scratches or corrosion. Lapmaster also offers a complete line of companion cleaning agents and equipment accessories.
- How Do They Work? Ultrasonic sound waves moving thru a cleaning solution create an effect called cavitation: Rapid formation and break-down of deep-cleaning microscopic bubbles, which is enhanced with heat.
- There are four (4) Standard Benchtop Models to choose from, starting at a 4-Gallon capacity up to 13-Gallon capacity. Larger floor standing units, including automated or semi-automated systems are also available. All of the Industrial Application Ultrasonic Cleaning Systems feature a self-contained multi-frequency ultra-sonic amplifier that automatically "sweeps" from 38kHz to 42kHz to enhance performance. Also standard, thermostatically-controlled heaters.
- All standard systems are supplied with 115V-1Phase-50/60 Hz Service. 220V service available upon request.

### AVAILABLE OPTIONS

- Programmable Timer with On/Off function
- Temperature Monitor Control Display
- Agitation System

### APPLICATIONS

#### INDUSTRIAL

Seals  
Valves  
Gears  
Bearings  
Sensors  
Cutting Blades  
Diaphragms

#### ELECTRONICS

Semiconductor Wafers  
IC Assemblies  
Ceramic Substrates  
Quartz Crystals  
PC Boards  
Optical Lens  
Mirrors

#### AUTOMOTIVE

Water Pumps  
Fuel Pumps  
Power Steering Components  
Fuel Injectors  
Piston Rings  
Air Bag Igniters  
Transmission Plates



## ULTRASONIC CLEANING SYSTEMS

LET LAPMASTER SELECT THE RIGHT SYSTEM FOR YOUR APPLICATION



MODEL 1410



MODEL 1610



MODEL 1910



MODEL 2013 & PARTS BASKET

### FEATURES

	MODEL 1410	MODEL 1610	MODEL 1910	MODEL 2013
INTERNAL DIMENSIONS	12" X 8" X 10" 30 X 20 X 25 CM	11" X 14" X 11" 28 X 36 X 28 CM	8" X 22" X 12" 20 X 56 X 30 CM	14" X 20" X 14" 36 X 51 X 36 CM
WORKING DEPTH	10" (25 CM)	11" (28 CM)	12" (30 CM)	14" (36 CM)
EXTERNAL DIMENSIONS	16" X 18" X 16" 61 X 61 X 53 CM	18" X 21" X 17" 41 X 46 X 41 CM	18" X 26" X 17" 46 X 53 X 43 CM	24" X 24" X 21" 41 X 46 X 41 CM
LIQUID CAPACITY	4 GALLONS 16 LITERS	6 GALLONS 22.7 LITERS	9 GALLONS 34 LITERS	13 GALLONS 50 LITERS
ULTRASONIC POWER	250 WATTS	500 WATTS	500 WATTS	750 WATTS
HEAT	500 WATTS	500 WATTS	500 WATTS	1,000 WATTS
ALL STAINLESS STEEL CONSTRUCTION	14 GAGE 316SS	14 GAGE 316SS	14 GAGE 316SS	14 GAGE 316SS
BOTTOM MOUNTED "VIBRABAR" TRANSDUCERS	STANDARD	STANDARD	STANDARD	STANDARD
115V OR 220V SYSTEM	EITHER	EITHER	EITHER	EITHER
ADJUSTABLE THERMOSTAT WITH PILOT LAMP	STANDARD	STANDARD	STANDARD	STANDARD

Lapmaster International 501 West Algonquin Road Mount Prospect, IL 60056 U.S.A.  
tel. 224.659.7101 fax 224.659.7103 toll free 877.FLATNESS www.lapmaster.com

Lapmaster has a policy of continued development and the specifications outlined above are subject to change without notice.