



# CREST ULTRASONICS



TECHNOLOGY *that moves*

## POWERSONIC™ CLEANERS

## CREST ULTRASONICS THE SOUND CHOICE

For over 50 years, Crest Ultrasonics Corp. has been a leader in the precision ultrasonic cleaning industry. Our technology has been used successfully in both aqueous and solvent systems, which serve a wide variety of cleaning applications from rugged industrial to critically precise.

That same high performance technology has been transferred to our new line of Powersonic™ Tabletop cleaners. Our systems provide significant industrial strength and quality at a tabletop price.

### POWERSONIC™ CLEANERS WITH CERAMICALLY ENHANCED TRANSDUCER TECHNOLOGY

Our Powersonic™ Tabletops efficiently remove:

- Fats
- Surface Rust
- Oils
- Polish residues
- Flux
- Chemical residues
- Paints
- Lime
- Adhesives
- Dust
- And much more

**132 kHz now available for enhanced sample preparation performance**

Powersonic™ Tabletops clean even the smallest spaces that are inaccessible to normal cleaning tools for use in almost all industries:

- Medical/dental/optical (instruments and components)
- Laboratory (mixing, cell disruption, homogenization)
- Veterinary (instrumentation)
- Automotive/marine (carburetor/bearing parts, injectors)
- Electronics (solder and flux residues on circuit boards and assemblies)
- Air and filter technology (electrostatic air filters, oil filters, respirator masks, air conditioner parts, valves)
- Mechanical engineering (machinery parts, valves, assemblies)
- Food and beverage (valves, injectors and extrusion dies)
- Body shops (nozzle and coating holders, parts and tools)
- Weapons (maintenance and reconditioning)
- Jewelry

### THE CLEANING POWER OF SONICS

Ultrasonic energy introduced into a solution causes alternating patterns of low and high pressure phases. During the low pressure phase, bubbles or vacuum cavities form. In the subsequent high pressure phase, these bubbles implode violently. This is called cavitation.

Cavitation provides an intense scrubbing action that leads to unsurpassed cleaning speed and consistency. Additionally, the bubbles are small enough to penetrate even microscopic crevices, cleaning them thoroughly and consistently. As a result, ultrasonic cleaning is one of the most effective and efficient methods you can use for cleaning a wide array of parts, without abrasive contact materials on your part's surface.

Our exclusive ceramically enhanced transducers ensure uniform cleaning throughout the tank by sweeping the ultrasonic frequency 3 kHz, creating overlapping ultrasonic waves that provide more consistent cleaning.

Powersonic™ Tabletops start cleaning — depending on the application — without additional cleaning agents.



## SERIES H/T/PC



- Digital display of temperature, ultrasonic power and cleaning time
- Adjustable cleaning time or continuous operation via digital display
- Adjustable bath temperature of 20-80°C with digital display
- Adjustable ultrasonic power in nine steps. This feature enables an optimal adjustment of the ultrasonic energy to the parts being cleaned
- Degas function allows a variety of consistent sample prep applications
- Lift-off cover included

## SERIES H/T



- Digital display of temperature and cleaning time
- Adjustable cleaning time or continuous operation via digital display
- Adjustable bath temperature of 20-80°C with digital display
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## TECHNOLOGY *that moves*

- Ceramically enhanced transducer technology
  - Homogeneous sound field, energy distribution, and prevention of standing waves using frequency modulation (sweep)
- 45 kHz and 132 kHz frequencies provide precision cleaning and rinsing options
- Drain valve assembly available for tank capacities of 2.5 gallons and higher
- Deep-drawn stainless steel cleaning tank with rounded corners for easy cleaning
- Industrial bonded transducer assembly
- Intrinsically safe heater with dry-run protection
- Tank capacity up to 7 gallons
- Digital power control of the ultrasonic generator provides consistent cleaning results regardless of tank temperature.



- All models are ETL listed for UL/CSA/CE standards
- Units available in both 115v and 230v standard. Optional IP 65, standard EU adapter (optional DK, UK, CH, CN, AUS).

Model	Inside Tank Dimensions LxWxH (inches) (mm)	Voltage	Tank Capacity (gallon) (liter)	Available Frequency	Sonic Power (average wattage) (45 kHz) (132 kHz)	Heat/Power (wattage)
P230	9.5 x 5.25 x 4 237 x 134 x 100	115v or 230v	.75 2.8	45 kHz 132 kHz	80 80	200
P360	9.5 x 5.25 x 6 237 x 134 x 150	115v or 230v	1.1 4.2	45 kHz 132 kHz	100 100	200
P500	11.75 x 6 x 6 297 x 148 x 150	115v or 230v	1.4 5.4	45 kHz 132 kHz	120 120	400
P1100	11.75 x 9.5 x 8 297 x 237 x 200	115v or 230v	3.2 12.3	45 kHz 132 kHz	180 160	600
P1200	19.5 x 5.25 x 6 502 x 134 x 150	115v or 230v	2.4 9.2	45 kHz 132 kHz	200 140	600
P1800	19.5 x 11.75 x 6 502 x 297 x 150	115v or 230v	5.1 19.6	45 kHz 132 kHz	240 210	800
P2600	19.5 x 11.75 x 8 502 x 297 x 200	115v or 230v	6.9 26.1	45 kHz 132 kHz	300 240	1000

## STAINLESS STEEL BASKETS

With a mesh size of 8 x 8mm and a wire thickness of 1mm, Crest Ultrasonics welded baskets are ideal for use in ultrasonic cleaning.

All baskets are equipped with drain handles, helping to prevent unnecessary carryover of the cleaning agent and keeps your workplace clean.

## ORIGINAL ACCESSORIES

- Chem-Crest™ cleaning solutions
- Lid to cover the device
- Perforated cover for beaker use (Ø 72 / 92mm)
- Beakers Ø 72 / 92mm, volume 250 / 600ml

