

BRANSON™



## Bransonic® Baths

The simple, reliable solution to  
quality precision cleaning

## Branson: A Recognized Leader in Ultrasonics Worldwide



For over 60 years, Branson has been the leader in the development of advanced ultrasonics and its application to a variety of uses.

Branson is recognized worldwide as an innovator, pioneering the use of the rugged, reliable 40 kHz transducers in sweep frequency baths.

Bransonic® baths are used widely in laboratory, light industrial, dental, medical, and specialty applications:

**Laboratory/medical/special utilities:** Cleaning of instruments or special parts, metal components, glass and ceramic.

**Industrial/basic cleaning:** Removing soils, contaminants, oils, and compounds from light industrial parts, electronics, jewelry, etc.

**Beyond cleaning:** Sample preparation; degassing liquids, mixing and homogenization, dissolving solids, cell lysing and dispersion of particles.



The Branson reputation for impeccable quality and reliable ultrasonics is unsurpassed. Our global network of distributors ensures that you will have the machinery, accessories, supplies, and support you need to meet your basic cleaning needs for the most demanding applications.

# Branson® Ultrasonic Baths

Branson's innovations include our signature elevated control panel, positioned above and behind the bath to avoid damage and increase operator safety. With our unique sweep frequency technology to eliminate standing waves, and our pioneering 40 kHz industrial transducers, Branson ultrasonic baths have been the industry standard for quality, reliability, and precision cleaning.

## The CPX Series

### Advanced technology and digital performance in our most robust, versatile, ultrasonics baths.

The CPX Series features a variety of technological enhancements:

- **Constant activity/power tracking** automatically maintains the same ultrasonic power by adjusting for changes in liquid level and temperature caused by a light or heavy load. This helps ensure more uniform cleaning and consistent performance, even with multiple users or when bath conditions change.
- **Assures uniform, precision cleaning** over the entire surface, and consistent cavitation that reaches and cleans even tiny crevices on the parts.
- **High/low power control** adjusts the acoustic energy in the bath. It can be set at 100% power for normal to heavier loads, or at 70% power for lighter and more delicate applications, helping to protect delicate components from potential damage.
- **Temperature settings** are available up to 69°C/156.2°F, which can be set in either Celsius or Fahrenheit and programmed through the front panel for easy access and monitoring. This also allows for convenient re-calibration when needed onsite.
- **High-temperature visual alarm/auto shut-off** for added safety.



Branson CPX Series

- **Sleep mode** provides energy savings automatically by shutting off unit if control keys are not touched within 15 minutes of cycle end. To restart, press any key.
- **Degassing and conditioning of solutions** through advanced wave modulation of up to 99 minutes also allow for a variety of sample prep applications.

*The CPX Series extended degassing capabilities (up to 99 minutes) allow for “beyond cleaning” applications for sample preparation such as mixing and homogenization, dissolving solids, cell lysing, and particle dispersion.*

## The CPX Series

CPX Series is completely programmable, so engineers can choose temperature, start, and stop times for “set-it-and-forget-it” operation.

Degassing periods of up to 99 minutes also allow for various sample prep applications.

Digital timer allows for continuous ultrasonic operation or can be set for up to 99 minutes.

Temperature can be set for either Fahrenheit or Celsius up to 69°C/156.2°F.

To conserve energy, the unit goes into sleep mode if control keys are not touched for 15 minutes after cycle ends, and restarts after any key is touched.



Ultrasonic power tracking maintains steady, consistent activity in the bath when conditions change.

High/low power control provides safer cleaning of delicate components. 100% power for normal, or 70% for delicate applications.

## The CPX Series

### The value leader for quality and reliability.

The Branson M Series includes two simple-to-use models: the M and MH Series. Both series are designed for basic yet effective cleaning, with set-it-and-forget-it mechanical timers, which can be set up to 60 minutes or run continuously. MH Series units also offer a heating option. And both series are excellent for use in a variety of applications:

- Laboratories and dental offices
- Electronic components
- Industrial parts
- Jewelry and precious metals



Branson M Series

## Precision Cleaning for All Types of Applications

**Brasonic baths are in use worldwide, providing simple, effective results for the ultimate in ultrasonic cleaning.**

### Laboratory

Thoroughly removes blood, protein, and contaminants on tools such as glassware, lenses, instruments, and precision components.

### Medical and Dental Labs

Offers a safer, more consistent way to clean dental and medical instruments in combination with sterilization.

### Industry

Deep cleans to remove dirt, grease, wax, and oils from industrial parts and components of all kinds, including steel, light and nonferrous metals, plastic, and glass.

### Electronics

Completely removes flux and contaminants from such precision components as PC boards, SMDs, quartz crystals, capacitors, and many others.

### Jewelry

Thoroughly cleans and restores brilliance to watches, chains and charms, settings, coins, fine jewelry, and clockworks.

### Optical

Ensures precision cleaning of optics.

### Beyond Cleaning

Brasonic ultrasonic cleaners also can be used for sample preparation; degassing liquids, mixing and homogenization, dissolving solids, lysing and dispersion of particles.

## Accessories and Solutions

### Accessories

Brasonic® ultrasonic baths also can be accessorized to best suit your specific cleaning or laboratory needs. Choose the appropriate suspension method for your applications, solid or perforated tray, basket, support rack, and beaker holder to customize each unit as needed.

### The Right Cleaning Solution

It's the most important decision you can make. A large variety of excellent formulations are available, designed for specific applications. Proper selection is crucial for acceptable cleaning activity and to preclude undesirable reactivity with the items being cleaned.



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## Branson® Baths Feature Finder



Feature	M Series	MH Series	CPX Series	CPXH Series
Timer	60-minute Mechanical*	60-minute Mechanical*	99-minute Digital*	99-minute Digital*
Tank Capacity (.5 g to 5.5g 1.9 to 20 litres)	•	•	•	•
Sweep Frequency 40 kHz	•	•	•	•
Heater		•		•
Dual Power			•	•
Power Tracking			•	•
Sleep Mode			•	•
Degas Wave Modulation			•	•
°C or °F Temp				•
Auto Ultrasonics Activation				•
High-temp Alarm			•	•
Front Panel Auto Temp Calibration				•

\*Units can also run continuously.

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