

# BRANSON<sup>®</sup> AQUEOUS SOLUTIONS

Pour on the cleaning power! Always specify Branson aqueous cleaning solutions for your new Branson ultrasonic cleaner. Whether you're gently cleaning delicate optics or stripping rust of oxides, there's a Branson chemistry developed specifically for the job.

**NOTE:** Sold by the case: 12 quarts per case, 4 gallons per case. Larger sizes available. Ordering numbers are per case.



<b>OC</b> Optical Cleaner	Removes general soils, fingerprints, cerium oxide, pitch, and blocking waxes from optical lenses, and polishing compounds from glass and optical surfaces prior to deposition of coatings.	100-955-722 Quart 100-955-726 Gallon
<b>JC</b> Jewelry Cleaner	Removes general soils, particulates, fingerprints, oils, and oxides that accumulate with normal use.	000-955-214 Quart 000-955-216 Gallon
<b>EC</b> Electronics Cleaner	Removes oils, resins, rosins, and other soils from hard surfaces encountered in the electronic, plating, and other related industries.	100-955-920 Quart 100-955-914 Gallon
<b>IS</b> Industrial Strength Cleaner	Removes grease, oils, and particulates from automotive, aircraft, and similar mechanical components: cleans shop oils and light carbon deposits from valves fittings, and similar components.	000-955-114 Quart 000-955-116 Gallon
<b>OR</b> Oxide Remover	Removes rust and oxides from all metals.	000-955-514 Quart 000-955-516 Gallon
<b>BC</b> Buffing Compound Remover	Removes the most difficult buffing compounds and agents, tripoli, rouge, lime, diamond tripoli, etc.	000-955-314 Quart 000-955-316 Gallon
<b>RSL</b> Rust Stripper	Used for derusting and descaling of ferrous metals.	CPN-955-008 Quart CPN-955-003 Gallon
<b>GP</b> General Purpose	Removes general soils, fingerprints, dust, light oils and greases.	000-955-014 Quart 000-955-016 Gallon
<b>GP</b> General Purpose (Powder)	Removes general soils, fingerprints, dust, light oils and greases.	CPN-955-007 (3) 2 lb. Containers
<b>MC-1</b> Metal Cleaner	Remove oils, greases and a wide variety of soils from aluminum and aluminum alloys, copper, brass, and steel substrates. Removes fabricating cutting and polishing oils. Displaces soils to allow for easy removal manually, or by use of a skimmer.	100-955-830 Quart 100-955-824 Gallon
<b>MC-2</b> Metal Cleaner	Removes oils, greases and a wide variety of soils from ferrous metals, steel alloys, titanium alloys, copper and copper alloys and stainless steel (not recommended for aluminum and aluminum alloys).	100-955-840 Quart 100-955-834 Gallon
<b>MC-3</b> Metal Cleaner	Remove oils, greases and a wide variety of soils from aluminum and aluminum alloys, copper, brass, and steel substrates. Removes fabricating cutting and polishing oils. Emulsifies, preventing soils from redepositing.	100-955-850 Quart 100-955-844 Gallon

## BRANSON

  
**EMERSON**  
Industrial Automation

# Branson<sup>®</sup> Ultrasonic Cleaners

## The Power of Precision Cleaning



**BRANSON**  
Sound Business Solutions

Ultrasonic cleaning is faster, more consistent, and safer than any other method. Hand scrubbing, soaking, or steams don't even come close. It's powerful enough to remove heavy oils, buffing compounds, or proteins, consistent enough to manage difficult laboratory cleaning every time, and safe enough for those delicate electronic components or fine jewelry.

Ultrasonic sound waves moving through a cleaning solution create an effect called cavitation, the rapid formation and collapse of microscopic bubbles. This powerful collapse, along with the cleaning chemistry, scrubs every wetted surface. The deep cleaning action of ultrasonics removes the most stubborn contaminants, even from blind holes and internal surfaces; the addition of heat enhances this process.

No one knows ultrasonics better than Branson. Over sixty years ago we pioneered ultrasonic cleaning, and ultrasonics is still our primary business. Bransonic cleaners incorporate everything we've learned from our experience, our research, and especially our customers.

## Sweep Frequency - Industrial Transducers Improve Performance

The Bransonic® cleaners include the same high power, rugged transducers found on industrial systems sold to the automotive, electronics, and metalworking industries. These Langevin-type metal/ceramic devices use engineered ceramics to assure both durability and superior power. Coupled with sweep frequency capability, you get the best possible cleaning every time, all the time. With these features, the Bransonic ultrasonic cleaners will operate all day, every day, for years – at peak performance.



Industrial type ultrasonic transducers assure maximum power in the cleaning tank.



Digital models feature microprocessor controlled timer and thermostat with fingertip input and clear LED readout of parameters.

Digital models offer you maximum control of cycle time up to 99 minutes and bath temperatures to 69° Celsius. Clear readouts and one-touch setting make this a great choice. You can count on batch-to-batch consistency because the unit automatically resets to the last setting. Just reload the tank and restart! Our rugged mechanical timers are adjustable up to 60 minutes and incorporate a hold feature for continuous cleaning. There are five Bransonic cleaners sized from 1/2 gallon to 5 1/2 gallons (1.9 to 20.8 liters) capacity. Check the product/feature matrix for the Bransonic unit that best meets all of your needs!



Rugged 60 minute mechanical timer features a hold position for continuous operation.

## Designed With You In Mind

Bransonic cleaners have been designed to be functional, reliable, and most important, easy to use. All controls are mounted in an easily accessible control panel above and behind the cleaning tank. They're easily seen and are above any liquid for safety and reliability. Smaller models feature convenient built-in pour drains while the larger models incorporate tank drains with valves. Because we designed the Bransonic units to respond to your needs and requests, there's a great mix of features. You can choose from models including:

- **Ultrasonics with digital heat control, digital timer, and temperature monitor**
- **Ultrasonics with heat and mechanical timer**
- **Ultrasonics with mechanical timer**

## Scientific Labs

Thoroughly removes blood, protein, and contaminants.

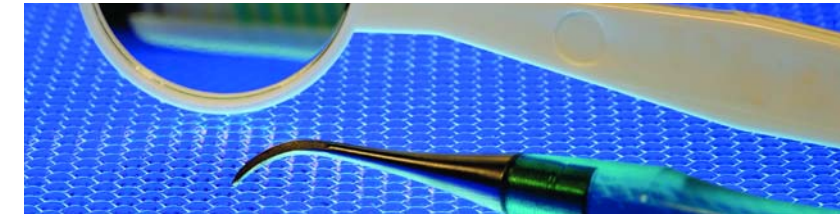
- Lab Glassware, Test Tubes, Pipettes
- Optical and Contact Lenses, Eyeglass Frames
- Scientific Instruments, Components
- Cell Separation
- Sample Preparation
- Degas Liquids



## Medical and Dental Labs

Used with sterilization, it's a safer, surer way to clean dental and medical instruments.

- Cannulae, Syringe Parts, Surgical Instruments, Blood Oxygenators
- Dental Instruments, Burs, Dentures, Caps, Plates



## Industry

Deep cleans to remove dirt, grease, waxes and oils.

- Switches
- Assemblies
- Gears
- Precision Bearings
- Metal and Plastic Parts
- Relays and Motors
- Degas Liquids



## Electronics

Removes flux and contaminants instantly, thoroughly.

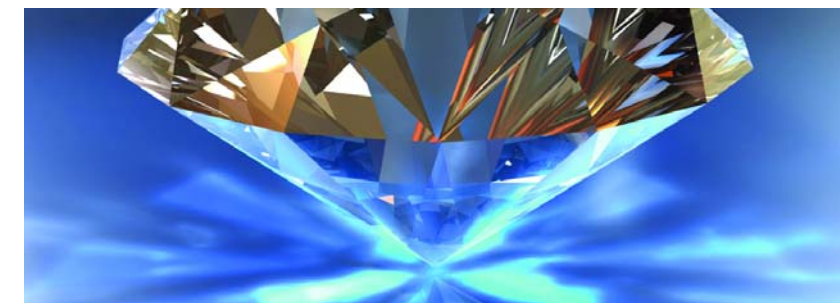
- PC Boards, SMDs
- Packaging Components
- Quartz Crystals
- Ceramic Substrates
- Capacitors
- Lapping Heads
- High-resolution Glass Plates



## Jewelry

Cleans thoroughly, restores brilliance.

- Watches
- Chains, Charms
- Precious Metals and Gemstones
- Intricate Settings
- Clock Movements
- Coins





### Brasonic Features

#### Digital Control Plus Heat and Timer (DTH)

#### Mechanical Timer Plus Heat (MTH)

#### Mechanical Timer (MT)

	Model 1510	Model 2510	Model 3510	Model 5510	Model 8510
Tank Size (L-W-D)	6" x 5.5" x 4"	9.5" x 5.5" x 4"	11.5" x 6" x 6"	11.5" x 9.5" x 6"	19.5" x 11.5" x 6"
Overall Size (L-W-D)	10" x 12" x 11.5"	13.5" x 12" x 11.5"	16" x 12" x 14.5"	16" x 15.5" x 14.5"	24" x 18" x 14.5"
Tank Capacity (Liters)	0.5 gal. (1.9 l.)	0.75 gal. (2.8 l.)	1.5 gal. (5.7 l.)	2.5 gal. (9.5 l.)	5.5 gal. (20.8 l.)
Weight	7 lbs.	9 lbs.	12 lbs.	14 lbs.	26 lbs.
Frequency	40 kHz	40 kHz	40 kHz	40 kHz	40 kHz
Drain	NO	NO	YES	YES	YES
120V Models	<b>B1510-DTH</b> <i>CPN-952-118</i>	<b>B2510-DTH</b> <i>CPN-952-218</i>	<b>B3510-DTH</b> <i>CPN-952-318</i>	<b>B5510-DTH</b> <i>CPN-952-518</i>	<b>B8510-DTH</b> <i>CPN-952-818</i>
230/240V Models	<b>B1510E-DTH</b> <i>CPN-952-138</i>	<b>B2510E-DTH</b> <i>CPN-952-238</i>	<b>B3510E-DTH</b> <i>CPN-952-338</i>	<b>B5510E-DTH</b> <i>CPN-952-538</i>	<b>B8510E-DTH</b> <i>CPN-952-838</i>
120V Models	<b>B1510-MTH</b> <i>CPN-952-117</i>	<b>B2510-MTH</b> <i>CPN-952-217</i>	<b>B3510-MTH</b> <i>CPN-952-317</i>	<b>B5510-MTH</b> <i>CPN-952-517</i>	<b>B8510-MTH</b> <i>CPN-952-817</i>
230/240V Models	<b>B1510E-MTH</b> <i>CPN-952-137</i>	<b>B2510E-MTH</b> <i>CPN-952-237</i>	<b>B3510E-MTH</b> <i>CPN-952-337</i>	<b>B5510E-MTH</b> <i>CPN-952-537</i>	<b>B8510E-MTH</b> <i>CPN-952-837</i>
120V Models	<b>B1510-MT</b> <i>CPN-952-116</i>	<b>B2510-MT</b> <i>CPN-952-216</i>	<b>B3510-MT</b> <i>CPN-952-316</i>	<b>B5510-MT</b> <i>CPN-952-516</i>	<b>B8510-MT</b> <i>CPN-952-816</i>
230/240V Models	<b>B1510E-MT</b> <i>CPN-952-136</i>	<b>B2510E-MT</b> <i>CPN-952-236</i>	<b>B3510E-MT</b> <i>CPN-952-336</i>	<b>B5510E-MT</b> <i>CPN-952-536</i>	<b>B8510E-MT</b> <i>CPN-952-836</i>

Part numbers are in italics

Models 1510, 2510, 3510, 5510, and 8510 are supplied with a cover.\*

**Standard 2-year Warranty.**

**ISO 9001:2000 Certified**

**All Branson products meet FCC, CSA, and CE standards**



### B-200 Jewelry and Optical Cleaner

Branson's Model 200 cleaner is compact and stylish, with the convenience of plug-in-anywhere operation. This model has the ultrasonic cleaning ability to handle a wide variety of applications; it is specifically designed to clean jewelry and optical pieces quickly and effectively. A 5-minute timer, cover and parts basket are included. One-year warranty.



Tank Size (L-W-D):	6.5" x 3.5" x 2.25"
Overall Size (L-W-D):	8.75" x 4.5" x 5"
Tank Capacity:	15 oz. (0.4 liter)
Weight:	3 lbs.
Frequency:	40 kHz

B-200, 120 V	100-951-010
B-200, 230 V	100-951-011

### B-300 Ultrasonic Cleaner

Branson's Model B-300 cleaner will provide a quick, consistent, high quality cleaning over a wide variety of applications; specifically designed to clean parts or instruments in just minutes. Unit comes with a 15-minute timer, cover, and parts basket. One-year warranty.



Tank Size (L-W-D):	11.8" x 3.9" x 2.9"
Overall Size (L-W-D):	13.2" x 5.3" x 5.9"
Tank Capacity:	.5 gal. (1.9 liter)
Weight:	4.6 lbs.
Frequency:	40 kHz

B-300, 120 V	CPN-951-028
B-300, 230 V	CPN-951-026

### B-3 Pint Size Ultrasonic Cleaner

Branson's Model B-3 pint size ultrasonic cleaner is especially useful for cleaning small items, quickly and efficiently. Useful in lab, medical, hobby, jewelry and small industrial applications. One-year warranty. Unit comes with a cover and parts basket.



Tank Size:	3.5" D x 3" dia.
Overall Size (L-W-D):	5.25" x 5.25" x 6.25"
Tank Capacity:	1 pint (0.47 liter)
Weight:	3 lbs.
Frequency:	55 kHz

B-3, 117 V	000-951-005
B-5, 230 V	000-951-103

\*Parts should not be allowed to rest on the tank bottom.



**Cover**  
(Supplied with unit)



**Perforated Tray**



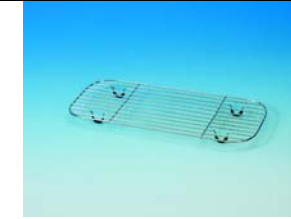
**Mesh Basket**



**Solid Insert Tray**



**Beaker Positioning Cover**



**Support Racks**



**Beakers**  
(For All Models)

**Model 1510**

**A12-1**  
100-032-320

**A12-3**  
100-410-160

100-916-333

**A12-2**  
100-410-170

**A12-4** (1x600ml)  
CPN-246-010

CPN-916-039

**A250**  
250 ml Glass  
000-140-001

**Model 2510**

**A22-1**  
100-032-321

**A22-3**  
100-410-162

100-916-334

**A22-2**  
100-410-172

**A22-5** (2x600ml)  
CPN-246-011  
**A22-6** (2x250ml)  
CPN-246-015

CPN-916-040

**A400**  
400 ml Polypropylene  
000-265-061

**Model 3510**

**A32-1**  
100-032-322

**A32-3**  
100-410-164

100-916-335

**A32-2**  
100-410-174

**A32-4** (3x250ml)  
CPN-246-016  
**A32-5** (2x600ml)  
CPN-246-012

CPN-916-041

**A600-1**  
600 ml Glass  
000-140-004

**Model 5510**

**A52-1**  
100-032-323

**A52-3**  
100-410-166

**A52-2**  
100-410-176

**A52-4** (4x600ml)  
CPN-246-013

CPN-916-042

**A600-2**  
600 ml Stainless Steel  
000-410-055

**Model 8510**

**A82-1**  
000-917-050  
(Stainless Steel)

**A82-3**  
100-410-168

**A82-2**  
100-410-178

**A82-4** (6x600ml)  
CPN-246-014  
(Stainless Steel)

CPN-916-043

Parts should not be allowed to rest on the tank bottom.

## PC-620 Ultrasonic Cleaner

The PC-620 at 40 kHz is ideal for cleaning pipettes, lab glassware, and other items requiring general cleaning. One-year warranty.



**Tank Size (L-W-D):** 19.5" x 5.75" x 6"  
**Overall Size (L-W-D):** 20.25" x 6.25" x 10.5"  
**Tank Capacity:** 2.75 gal. (10.4 liters)  
**Weight:** 23 lbs.  
**Frequency:** 40 kHz

PC-620 R-1, 117 V 000-951-030  
PC-620 R-2, 117 V heated 000-951-330  
PC-620 E-1, 230 V 000-951-130  
PC-620 E-2, 230 V heated 000-951-430  
Cover (sold separately) 000-410-105  
Basket (sold separately) CPN-916-033

## Higher Capacity DHA-1000 Ultrasonic Cleaner

This low-cost 40 kHz ultrasonic cleaner is designed especially for medium and heavy duty industrial applications. It is fully integrated, with ultrasonic generator and cleaning tank in a single enclosure. Solution capacity is 10 gallons – enough to handle large, bulky parts or for batch cleaning of small components. It's the only industrial size ultrasonic cleaner of its type available today. One-year warranty.



**Tank Size (L-W-D):** 14" x 16" x 10.5"  
**Overall Size (L-W-D):** 17" x 19" x 19"  
**Tank Capacity:** 10 gal. (37.8 liters)  
**Weight:** 70 lbs.  
**Frequency:** 40 kHz

DHA-1000, 120 V 000-914-506  
DHA-1000, 230 V 000-914-606  
Cover (sold separately) 100-246-802  
Basket (sold separately) CPN-916-032

## Integrated Ultrasonic Cleaning Systems – Models 1216 and 1620

Branson's IC Series ultrasonic cleaning systems offer a full range of features to meet most precision cleaning requirements. These compact units incorporate 3/16, 14 gauge, all stainless steel construction, digital controls with cycle time up to 99 minutes and batch temperatures up to 69° celsius, a modern solid-state ultrasonic generator, and 25 or 40 kHz industrial transducers to deliver precise cleaning quickly, consistently, and cost effectively. The IC Series units, with their greater power per unit volume, can reduce cleaning cycle time or handle more difficult industrial applications including more densely-packed, smaller parts; heavier or more tenacious soils; investment removal from cast parts, and larger machined components. Includes cover and basket. Two-year warranty.

<b>Tank Size (L-W-D):</b>	<b>IC 1216</b> 12" x 16" x 13"	<b>IC 1620</b> 16" x 20" x 16"
<b>Overall Size (L-W-D):</b>	20.75" x 19" x 16.75"	24.75" x 23" x 20.75"
<b>Tank Capacity:</b>	10 gal. (37.8 liters)	21 gal. (79.5 liters)
<b>Weight:</b>	80 lbs.	120 lbs.

IC 1216-25-12, 208 V, 25 kHz	CPN-908-011
IC 1216-40-12, 208 V, 40 kHz	CPN-908-012
IC 1216-25-12, 230 V, 25 kHz	CPN-908-013
IC 1216-40-12, 230 V, 40 kHz	CPN-908-014
IC 1620-25-18, 208 V, 25 kHz	CPN-908-021
IC 1620-40-18, 208 V, 40 kHz	CPN-908-022
IC 1620-25-18, 230 V, 25 kHz	CPN-908-023
IC 1620-40-18, 230 V, 40 kHz	CPN-908-024

