Ultrasonic Cleaning

• highly effective
• reaches into minute crevices
• instruments stay sharp and in shape
Ultrasonic cleaning is a process created by high frequency soundwaves. The soundwaves create high energy cavitation. During cavitation millions of tiny bubbles form and then implode, releasing enormous amounts of energy and shock waves. This powerful scouring action reaches into minute crevices which cannot be reached by manual scrubbing. The combination of energy and specially formulated solutions make ultrasonic cleaning the most effective method for removing gross and microscopic debris.

BioSonic® is a complete ultrasonic cleaning system which consists of three different cleaner unit sizes, a full line of cleaning solutions and unit accessories which provide you with the flexibility to efficiently clean and disinfect instruments, prostheses and other items.

BioSonic® units feature unique product design and optimize time and safety in the office or laboratory

**Gentle but effective cleaning**
- instruments get cleaned thoroughly
- but stay in shape and sharp even after frequent cleaning cycles

**Quiet performance**
- closed lid operation
- plastic housing

**User safety**
- built in drain with extra long drain tube for safe disposal of contaminated solutions (UC125 and UC300)
- raised ridges inside baskets for safe removal of instruments

**Long lasting attractive appearance**
- wear-resistant plastic housing which will not stain or dent
BioSonic® UC50DB

It’s a small giant!

Small on the outside, big on the inside
• The compact BioSonic® UC50DB fits any work surface but its 2 litres capacity accommodates double ended instruments or two 600 ml beakers.

Convenient Chairside Placement
• The unique design of cover and housing minimizes noise and prevents the escape of airborne contaminants enabling chairside cleaning of patients’ dental appliances using the beaker option.

The FingerGuard™ plastic basket with metal bottom provides superior wave transmission and prevents dulling of instruments.

Technical Information
- Tank capacity: 3.2 liters
- Fill capacity: 2.0 liters
- Overall Dimensions (l × w × h): 27.3 × 21.9 × 20.3 cm
- Tank Dimensions (l × w × d): 19.7 × 14.6 × 10.5 cm
- Output: 50 watts
- Operating Frequencies: 53 kHz

The BioSonic® Instrument Soaking Tray is a sure way to reduce the risks associated with instrument handling prior to sterilization. Pre-soaking dental instruments prior to ultrasonic cleaning is the clinically approved method for effective infection control, while reducing tedious hand scrubbing.

• Compact design is ideal for operatory
• Chemically resistant inner tray lifts out automatically when the lid is opened
• Contemporary design matches many office decors

Technical Information
- Tank capacity: 0.47 liters
- Dimensions: 6.4 × 22.9 × 12.7 cm
BioSonic® UC125

Technical Information
- Tank capacity: 4.8 liters
- Fill capacity: 3.8 liters
- Overall Dimensions (l × w × h): 42 × 26.7 × 35 cm
- Tank Dimensions (l × w × d): 28.6 × 14.3 × 12.7 cm
- Output: 100 watts
- Operating Frequencies: 55 kHz *

* C-Power – power is automatically adjusted in the tank based on load requirements.

Customized operation and reliability at its best

- **Multiple Languages**
  Choose one of six different languages.

- **Degas Button**
  Easily prepare your solution for maximum effective cleaning.

- **Selectable Run Times**
  By saving run times for different tank loads it is easy to always keep to the individual cleaning procedures of your office.

- **Countdown Timer**
  Know exactly when your instruments will be ready for the autoclave.

- **Solution Tracking**
  See exactly how long your solution has been in use.

- **Solution heating**
  Preheat your solution to desired temperature.

Cross Flow Baskets
- Enhanced Instrument Cleaning
- Easy Lift-out Handles

UC151XD Full Size Basket
UC152XD Three Quarter Size Basket
BioSonic® UC300

A large capacity cleaner for your practice

**Technical Information**
- Tank capacity: 14.4 liters
- Fill capacity: 11 liters
- Overall Dimensions (l × w × h): 48.2 × 30.5 × 31.1 cm
- Tank Dimensions (l × w × d): 35.6 × 22.9 × 17.1 cm
- Output: 300 watts
- Operating Frequencies: 40 kHz

**Greater cleaning efficiency**
- Large basket allows you to clean 3 to 4 times as many instruments.
- Basket dividers facilitate sorting and minimize handling of instruments.
- Easily holds larger items (e.g. film processor rollers and articulators).

**Clean instruments and protheses - simultaneously**
- Clean both your instruments and dental appliances - simultaneously!

**Cycle large volumes of instruments**
- Twin-baskets provide uninterrupted instrument processing.
- Clean two baskets of instruments as you process third basket for sterilization and fourth basket for pre-soak.
BioSonic® Solutions
The solution for your cleaning needs

MeterDose™ Bottles
– accurate solution dosage
Dispense the exact amount needed. Simply squeeze the desired amount into the MeterDose™ measuring chamber; tilt and pour.

<table>
<thead>
<tr>
<th>Solution</th>
<th>Contents</th>
<th>Concentration to be used in the ultrasonic bath/diluted yield</th>
</tr>
</thead>
<tbody>
<tr>
<td>UC30</td>
<td>Super Concentrate General Purpose</td>
<td>473 ml</td>
</tr>
</tbody>
</table>

**Indication**
UC30 is a non-ionic detergent and is used for general cleaning. It removes most organic soils like blood, saliva and debris.

**Items**
- Instruments crowns, bridges, dentures and ultrasonic scaler tips.

**Special notes**
Use as a carrier bath in ultrasonic tank. Can also be used as instrument pre-soak and carrier bath in tank when using beakers. After cleaning thoroughly clean with tap water.

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<tr>
<td>UC31</td>
<td>General Purpose + Super Rust Inhibitor</td>
<td>Single Dose 20 x 15 ml</td>
</tr>
</tbody>
</table>

**Indication**
UC31 combines the proven cleaning action of a BioSonic® solution with corrosion protection in the ultrasonic bath. It's used for general cleaning.

**Items**
- Instruments crowns, bridges, burs, dentures and ultrasonic scaler tips.

**Special notes**
Use as a carrier bath in ultrasonic tank. Can also be used as instrument pre-soak and carrier bath in tank when using beakers. After cleaning thoroughly clean with tap water.

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<tr>
<td>UC32</td>
<td>Enzymatic Cleaner</td>
<td>236 ml</td>
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</table>

**Indication**
UC32 combines the non-ionic detergency of the UC30 with enzymes that act to break down stubborn dirt particles. Effectively breaks down and loosens debris hardened onto instruments. Minimizes hand scrubbing.

**Items**
- Instruments, crowns, bridges, dentures and ultrasonic scaler tips.

**Special notes**
Use as a carrier bath in ultrasonic tank. Can also be used as instrument pre-soak and carrier bath in tank when using beakers. After cleaning thoroughly clean with tap water.
### Solution Contents Concentration to be used in the ultrasonic bath/diluted yield

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<tr>
<td>UC34 Plaster and Stone Remover</td>
<td>840 g</td>
<td>1 scoop (tbs) per 100 ml of solution. Diluted yield 11.4 liters</td>
</tr>
<tr>
<td>UC38 Germicidal Cleaner</td>
<td>236 ml</td>
<td>Concentration 0.8% Diluted yield 29 liters</td>
</tr>
<tr>
<td>UC39 Cement Remover</td>
<td>473 ml</td>
<td>Concentration 40.0% 32 uses</td>
</tr>
</tbody>
</table>

### Indication Items Special notes

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<tr>
<td>Concentrated powder for easy removal of plaster and stone. Built in scoop for measuring correct dosage.</td>
<td>Attachments, articulators, instruments, castings and items that can not be sandblasted.</td>
<td>Do not use with aluminium. Can also be used directly in ultrasonic tank. After cleaning thoroughly rinse with tap water. Replace after each use.</td>
</tr>
<tr>
<td>Removes blood, debris, saliva and kills HIV virus and tuberculosis while it cleans instruments in the ultrasonic bath.</td>
<td>Instruments, crowns, bridges and ultrasonic scaler tips.</td>
<td>Do not clean dentures or plastics. Use as a carrier bath in ultrasonic tank. Can also be used as instrument pre-soak and carrier bath in tank when using beakers. After cleaning thoroughly clean with tap water.</td>
</tr>
<tr>
<td>Cleaner with cement softener. Removal of temporary and permanent cements (including zinc-phosphate, polycarboxylate).</td>
<td>Crowns, veneers, brackets and instruments.</td>
<td>Do not use with aluminium. Do not use directly in ultrasonic tank. After cleaning thoroughly rinse with tap water.</td>
</tr>
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Order Information

**UC300 BioSonic® Ultrasonic Cleaner**
- Tank Cover 1 pc.
- Enzymatic Cleaner (UC 32) 1 pc.
- Owner’s guide 1 pc.

**Accessories for UC300**
- UC310 Large FingerGuard™ Instrument Basket (incl. 5 basket section inserts) 1 pc.
- UC311 Twin FingerGuard™ Instrument Basket (incl. 2 basket section inserts) 1 pc.
- UC322 Cassette Rack for 10 × UC70 1 pc.
- UC330 2-Beaker Positioning Cover 1 pc.
- UC335 Basket Section Inserts 2 pcs.
- UC340 Replacement Tank Cover 1 pc.
- UC350 Replacement Drain Filter 3 pcs.
- UC355 Replacement Drain Tube 1 pc.

**Accessories for all units**
- ST16 Soaking Tray 1 pc.
- UC1 Bur Block 1 pc.
- UC2 Basket for small parts 1 pc.
- UC3 Bur Block + Basket for small parts 1 pc.
- UC5 600 ml Beaker, Cover and Positioning Ring 1 pc.

**UC125 BioSonic® Ultrasonic Cleaner with heating**
- Tank Cover 1 pc.
- General Purpose + Super Rust Inhibitor (UC31) 20 × 15 ml
- Owner’s guide 1 pc.

**Accessories for UC125**
- UC155XD Accessory Kit (¾ FingerGuard™ Instrument Basket for UC125, 2 Beakers, Covers, Positioning Rings and 2 One-Beaker Positioning Racks) 1 pc.
- UC151XD Full Size FingerGuard™ Instrument Basket for UC125 1 pc.
- UC152XD Three-Quarter FingerGuard™ Instrument Basket for UC125 1 pc.
- UC153 1 Beaker Positioning Rack 1 pc.
- UC164XD Cassette Rack for Hu-Friedy Space Saver Seven Cassettes (2 Cassettes) 1 pc.
- UC156 Replacement Tank Cover 1 pc.
- UC350 Replacement Drain Filter 3 pcs.
- UC355 Replacement Drain Tube 1 pc.

**UC125H BioSonic® Ultrasonic Cleaner without heating**
- Tank Cover 1 pc.
- General Purpose + Super Rust Inhibitor (UC31) 20 × 15 ml
- Owner’s guide 1 pc.

**Accessories for UC50DB**
- UC59 Accessory Kit (FingerGuard™ Instrument Basket, 600 ml Beaker, Cover and Positioning Ring, 1 Beaker Positioning Rack, Basket for small parts) 1 pc.
- UC58 Plastic FingerGuard™ Instrument Basket 1 pc.
- UC54 Cassette Rack for UC70 to be used with UC50DB (holds 4 cassettes) 1 pc.
- UC153 1 Beaker Positioning Rack 1 pc.

**BioSonic® Cleaning Solutions**
- UC30 Super Concentrate General Purpose Solution in MeterDose™ Bottle 473 ml
- UC31 General Purpose + Super Rust Inhibitor Single Dose 20 × 15 ml
- UC32 Enzymatic Cleaner MeterDose™ Bottle 236 ml
- UC34 Plaster & Stone Remover Powder Concentrate in Jar 840 g
- UC38 Germicidal Cleaner MeterDose™ Bottle 236 ml
- UC39 Cement Remover MeterDose™ Bottle 473 ml

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BioSonic® Ultrasonic Cleaning System

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