Still Hand Scaling? It’s Time to Switch to BioSonic® S1

• Economical Ultrasonic scaler with superior results and shorter chair-time compared to hand scaling

• Ergonomically designed and easy-to-use scaler providing increased handling comfort

• Effective removal of biofilm and unhealthy bacteria with less tooth structure damage

• 3 digital pre-set options provide versatility for general scaling, periodontic and endodontic procedures

• Wide range of tips for general scaling, periodontic, endodontic and cavity preparation applications
Why Choose Piezo Ultrasonic Scaling Over Hand Scaling?

Piezoelectric Scaling vs. Hand Scaling
- Piezo scaling is up to 34% faster than hand scaling due to the Piezoelectric Movement.¹
- Incurs less root surface loss and tooth substance removed than with hand scaling, resulting in a cleaner, smoother root surface.²

Piezoelectric Cavitational Effect
- Ultrasonic scaling cavitation effectively and efficiently removes hard deposits and subgingival biofilm, while providing superiority to hand scaling over severe to moderate furcations.³,⁴,⁵

Ultrasonic Tips vs. Hand Scaling Tips
- Ultrasonic tips are slimmer than hand scaling tips, allowing access in furcation entrances as narrow as 0.63 mm wide.
- Hand scaling Gracey Curettes Tip used on hand scalers is 0.76 mm, limiting hand scaling on more than half of maxillary and mandibular first molars.⁶,⁷

Multiple Options, Right Out of the Box!

**General Scaling Procedures**
- Essential for use in removing supragingival, heavy and interdental calculus.
- The high frequency waves generated by the BioSonic S1 Piezo Ultrasonic Scaler cause the tip to vibrate at 28,000 cycles per second, significantly helping remove calculus while eliminating unhealthy biofilm from the tooth surface.
- Four General Scaling tips included with the unit.

**Periodontic Procedures**
- Essential for use in removing subgingival calculus.
- The BioSonic S1 Piezo Ultrasonic Scaler helps control Periodontal Disease by removing inflammation causing agents, and keeping the periodontium free from disease. Periodontic scaling procedures remove plaque, calculus and stain from root surfaces of the teeth.
- One Perio tip included with the unit.

**Endodontic Procedures**
- Essential for use in root canal cleaning.
- During the cleaning process, the BioSonic S1 Piezo Ultrasonic Scaler produces cavitation, which effectively removes dentin pieces and dissolves endo organic substances with a bactericidal effect.
- This cavitation also helps improve the ability to clean in the narrow, flexural endodontic areas.
- One Endo tip and four NiTi U-Files are included with the unit.

**Additional Features:**
- Digitally controlled, automatic frequency tracking ensures unit will consistently work at the best frequency
- Reusable metal filter traps debris from entering unit, allowing efficient water flow
- Handpiece is cast from Titanium alloy making it extremely durable and autoclavable
**BioSonic® Piezo Tips**  
*All the choices you need at your fingertips!*

**GENERAL SCALING TIPS**

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<th>S-Select Series</th>
<th>USE1S</th>
<th>USE2S</th>
<th>USE3S</th>
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**PERIO TIPS**

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**ENDO TIPS**

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**CAVITY PREP TIPS**

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**ORDERING INFORMATION**

- **USP100A**  
  BioSonic S1 Piezo Ultrasonic Scaler with type A (USA) plug

- **USP100C**  
  BioSonic S1 Piezo Ultrasonic Scaler with type C (EURO) plug

- **USP100G**  
  BioSonic S1 Piezo Ultrasonic Scaler with type G (UK) plug

- **USP100IA**  
  BioSonic S1 Piezo Ultrasonic Scaler with type IA (Australia) plug

- **USP100AJ**  
  BioSonic S1 Piezo Ultrasonic Scaler with type A (Japan) plug

**PACKAGE INCLUDES:** 6 Tips with Unit (2x USE1S, USE2S, USE4S, USE5S, USE1S), 1 Tip Wrench, 1 Endo Wrench, 4 NiTi Endo U-Files, 1 Tip Holder, 1 Reusable Metal Filter

**TECHNICAL SPECIFICATIONS**

- **Power Input:** 100V - 240V ~ 50 Hz / 60 Hz  1.2A (max)
- **Main Unit Input:** 24VAC 1.3A
- **Output Power:** 0.06W - 20W
- **Frequency:** 28 kHz ± 3 kHz
- **Water Supply Pressure:** 0.01 ~ 0.5 MPa
- **S1 Piezo Tips:** S-Select Series

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