For hygienists who strive to deliver efficiency, comfort, and performance,

The Cavitron® family of inserts offers the right tools for any scaling environment.

There’s only one Cavitron®.
Cavitron® family of inserts work together to deliver the highest standard in ultrasonic scaling

Over the years, the Cavitron® brand has become synonymous with ultrasonic scaling. Dedicated to providing end-to-end solutions in dental hygiene, Cavitron® products have continued to evolve to best serve you, your patients, and your practice.

Today, Cavitron® products offer the latest technology in ultrasonic scaling units and a wide variety of scaling inserts to fit your needs. Each instrument in this comprehensive line of inserts is designed for the hygienist and the patient alike, to ensure efficiency, comfort, and performance during scaling procedures.
Ultrasonic scaling offers numerous benefits for practices, hygienists, and patients.

When selected and used appropriately, ultrasonic inserts are clinician- and patient-friendly, and offer ergonomic benefits over hand scaling.

Efficiency
Ultrasonic scaling can quickly and effectively remove even the most tenacious calculus.

Comfort
Both patients and dental professionals experience less pressure and greater comfort during ultrasonic scaling procedures compared to hand scaling. Without the repetitive motion of hand scaling, ultrasonic scaling can also lessen hand and wrist strain for dental professionals.

Performance
Cavitron® inserts are designed for ultimate longevity and reliability. Our inserts are made with durable materials and, when used properly, can withstand use and wear over time.

“Patients had a strong preference (74%) for ultrasonic scaling when compared to hand scaling. Particular preference for the ultrasonic scaling was registered for effective buildup removal, less irritating sound, clean feeling, less overall pain, more overall efficiency, and less mess.”

In ultrasonic scaling, one insert is not enough

One insert can’t do it all—that’s why the Cavitron® family of inserts offers a broad selection of ultrasonic scaling inserts to fit the needs of your practice. Just like with hand scaling, some inserts are built for removing certain levels of deposit, while others are designed for working around specific types of tooth anatomy. Most patients require more than one type of insert during a single visit; following the guidelines for insert selection and use in this brochure can help with comfort and efficiency for your patients, and ultimately, your practice.

Use the chart to the right to help determine the best insert choices for certain procedures. Think about insert selection as a 2-step process based on the following assessments:

Type of deposit
Inserts are uniquely made to handle different levels of deposit. Consider the force needed to remove the deposits. A thicker insert with a larger tip is built for heavier levels of calculus, while thinner inserts with slim, adaptable tips are designed for the removal of light to moderate deposits or biofilm.

Anatomy of the treatment site
Look for inserts that are specially designed for the type of tooth anatomy you will be working on. Straight inserts are made for flat anatomy, while curved inserts will give you the best results in furcations and concavities.
## Insert Use Guide*

### Anatomy of Treatment Site

<table>
<thead>
<tr>
<th>Non-Visible Biofilm</th>
<th>Biofilm</th>
<th>Calculus</th>
<th>Type of Deposit</th>
<th>Insert</th>
</tr>
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<tbody>
<tr>
<td></td>
<td></td>
<td>Light</td>
<td>Flat Anatomy</td>
<td>Powerline™-10 (FSI®-10)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Moderate</td>
<td>Contoured Anatomy</td>
<td>Powerline™-100 (FSI®-100)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Heavy</td>
<td>Flat Anatomy or Contoured Anatomy (With Heavier Deposits)</td>
<td>Powerline™-1000 (FSI®-1000)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Light</td>
<td>Flat Anatomy</td>
<td>THINsert®</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Moderate</td>
<td>Contoured Anatomy</td>
<td>Slimline®-10</td>
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<tr>
<td></td>
<td></td>
<td>Heavy</td>
<td>Flat Anatomy or Contoured Anatomy (With Heavier Deposits)</td>
<td>Slimline®-1000</td>
</tr>
</tbody>
</table>

*These are only recommendations, based upon qualitative indications of calculus and biofilm levels.
All Cavitron® inserts are designed for optimal comfort and a range in style

**Focused Spray® water delivery system**
- Designed to deliver targeted lavage
- Enhances visibility of work area
- Improves patient comfort

**Insert Design Guide**
Cavitron® inserts are designed to give you options. Consider your needs in bend and cross-section when making your selection.

<table>
<thead>
<tr>
<th>Bends</th>
<th>Cross-Section</th>
<th>Thicker</th>
<th>Thinner</th>
</tr>
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<tbody>
<tr>
<td>1000</td>
<td></td>
<td>Powerline™-1000 (FSI®-1000)</td>
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<td>10</td>
<td></td>
<td>Powerline™-10 (FSI®-10)</td>
<td>Slimline®-10</td>
</tr>
</tbody>
</table>

**Get your favorite insert in Bellissima® soft grip!**
- Increased comfort and control with a soft, dimpled grip
- Available for Slimline®-10 and Curve inserts and all Powerline™ (FSI®) inserts
Standard-sized inserts are designed for removal of heavier deposits

**Powerline™ (FSI®) series of inserts**

- Specifically designed for efficiently removing heavier deposits
- The flat beaver tail tip on the Powerline™-3 (FSI®-3) insert is designed for use on calculus bridges and removal of heavy extrinsic staining

“Ultrasonic scalers are often considered to be less strenuous for the operator and more comfortable for the patients than hand currettes.”

Thinner Cavitron® inserts allow for improved access and adaptability

**Slimline® series of inserts**
- Slim design is 30% thinner than the Powerline™-1000 (FSI®-1000) insert
- Thin design provides improved subgingival access
- Slimline® Curve inserts allow adaptation to root anatomy and are designed for use in furcations and concavities
- Designed to remove light to moderate deposits

The newest insert in the Slimline® family

**Slimline®-1000**
Featuring a triple-bend design with beveled edges for better adaptation around line angles
**THINsert® ultrasonic insert**

- Delivers ultrasonic power with a tip that is 47% thinner than Slimline®-10
- Unique 9° backbend design allows for easier adaptation
- Provides access in difficult areas, including misalignments, interproximal surfaces, and areas of tight tissues, without loss of tactile sensation
- Designed for light to moderate calculus and deplaquing

“Subgingival debridement may be completed in less time with ultrasonic/sonic than with hand instruments.”

The Cavitron® specialty line of inserts conform to your specific scaling needs

**SofTip™ Ultrasonic Implant Insert for plaque removal around titanium implants and abutments**
- Gently removes light to moderate plaque and calculus without damaging implant titanium abutment surfaces
- Provides benefits of ultrasonic lavage during implant maintenance procedures

**DIAMONDCOAT® Ultrasonic Insert for surgical applications**
- Unique diamond coating removes moderate to heavy calculus 3 times faster than traditional ultrasonic inserts†
  - Provides excellent tactile sense, access, and control during periodontal surgical applications
  - Effective for the removal of overhanging margins and re-contouring of dental restorations

**Air Polishing available for stain removal**
- NEW Cavitron® JET Plus units now feature prophy mode auto cycles that automatically cycle between air polish and rinse

“It appears that air polishing is the least damaging and most efficient means of removing stain on enamel.”

**Newly redesigned Cavitron® Plus and Cavitron® JET Plus ultrasonic scaling units including Tap-On™ Technology**

†Data on file.
Monitoring the wear of your ultrasonic inserts is key to ensuring optimal performance

Using an insert that is excessively worn will cause it to operate at substandard efficiency. It can also cause you to use excessive pressure while scaling, which results in discomfort for both you and the patient.

Regularly checking the wear of your ultrasonic inserts and replacing them when necessary can help maximize efficiency and comfort for you and your patients.

Use your Efficiency Indicator to check the wear on your inserts.

Tip extends beyond blue line: **Optimum Efficiency**

Tip touches blue line: **Reorder** (25% efficiency loss)

Tip touches red line: **Discard** (50% efficiency loss)

Call your DENTSPLY Professional representative to request an Efficiency Indicator or to reorder inserts.

“Clinicians who retain their inserts for years may find their instrument tips become reduced in length through wear, potentially leading to a detrimental change in the performance of the scaling system.” —Lea SC. J Clin Periodontol. 2006.
### Recommended Inserts Guide

Use this guide to select inserts based on the types of procedures your practice generally performs on patients. The bolded insert in each category denotes the recommended insert.

<table>
<thead>
<tr>
<th>Procedure Code</th>
<th>Prophylaxis</th>
<th>SPT (Supportive Periodontal Therapy)/Perio Maintenance</th>
<th>SRP (Scaling and Root Planing)/Debridement</th>
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<tr>
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### Cavitron® products available through authorized distributors

#### Powerline Inserts

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#### Slimline Inserts

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<tr>
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#### Specialty Inserts

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<tr>
<td>DIAMONDCOAT®</td>
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For more information or to place an order, contact your local DENTSPLY Professional distributor, call DENTSPLY Professional Customer Service at 1.800.989.8826, or visit www.professional.dentsply.com/cavitron.

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