Hu-Friedy
ULTRASONIC SCALING
HIGH PERFORMANCE
POWERFUL SOLUTIONS

How the best perform
1

Hu-Friedy – the world leader in scalers and curettes – offers ultrasonic scaling solutions in both magnetostrictive and piezoelectric technologies; we are proud to give you multiple options to perform at your best. Featured products include:

**MAGNETOSTRICTIVE**
- Swivel Direct Flow® Inserts
- SWERV® Scaling Unit

**PIEZOELECTRIC**
- Symmetry Scaling Tips
- Symmetry IQ® Multifunctional Device

Regarding the efficacy of removing calculus, a review of collective studies reveals...

The best results are probably obtained by combining sonic/ultrasonic instrumentation with manual scaling.

POINTS OF PERFORMANCE

EFFICIENT AT LOWER POWER RANGES
Allows you to turn down the power to increase patient comfort and still achieve efficient, thorough scaling.

COLOR-CODED HANDLES
Colorful resin handles help instantly identify tip design and increase tactile sensitivity.

WATER DELIVERY OPTIONS
Choose from 4 water delivery options for your preferred combination of spray and lavage.

Compatible with the SWERV® Ultrasonic Scaler as well as all Cavition® and Cavition-compatible generators.

Hu-Friedy inserts give you the power, efficiency, and comfort you need to treat a wide range of patients. With a variety of water delivery designs, Swivel® options, and compatibility with all magnetostRICTive ultrasonic scalers, our inserts will truly allow you to perform at your best.
WATER DELIVERY: INTERNAL FLOW FROM BASE OF TIP
No need to stop scaling to adjust the insert. SWIVEL inserts reduce the drag from the handpiece cord, increasing overall balance for hassle-free scaling.
A large diameter grip reduces finger pinching, resulting in less hand fatigue* and enhanced tactile sensitivity.

WATER DELIVERY: THROUGH-TIP
Swivel Direct Flow inserts have all of the features of the revolutionary SWIVEL inserts plus unsurpassed through-tip water delivery. This design focuses the water flow directly to the tip, reducing excess spray and increasing visibility.
A special blend stainless steel alloy improves reliability for a longer life. These inserts also feature a longer 30kHz grip to improve grasp, access and adaptability in posterior areas.
The beveled edges of the #1000 Triple Bend make it ideal for removing tenacious stain and calculus.
Reach deep into pockets and achieve efficient subgingival scaling with the thin tips of the After Five Straight, Left and Right inserts. These probe-size tips enhance access into periodontal pockets.

WATER DELIVERY: INTERNAL FLOW FROM BASE OF TIP
Routine scaling is more efficient with our Streamline inserts, even at lower power settings. The water is delivered directly from the tip base, eliminating the need for an external water tube. The #3 Beavertail design is excellent for removal of gross calculus and orthodontic cement.

WATER DELIVERY: EXTERNAL OR EXTERNAL FIXED
Designed for the removal of all types of debris. The standard diameter Prophy style tip is the original ultrasonic insert design, with a finely beveled external water delivery tube. The PLUS™ insert features a fixed water delivery tube in a lightweight resin handle.

WATER DELIVERY: EXTERNAL OR EXTERNAL FIXED
Reach deep into pockets and achieve efficient subgingival scaling with these thin tips, exclusively from Hu-Friedy. Probe-size tips (same tip design as the After Five inserts) enhance access into periodontal pockets.

Also available in metal handle.

See page 9 for more information on Hu-Friedy’s SWERV3 Magnetostrictive Ultrasonic Scaling Unit.
The SWERV® magnetostrictive power scaler combines power and handling in a unique ergonomic design that ensures the comfort of dental patients and professionals. It integrates finely tuned electronics that improve control and scaling efficiency in all clinical indications.

**POINTS OF PERFORMANCE**

**DELIVER COMFORT TO YOUR PATIENTS**
Finely tuned electronics provide a full range of power for outstanding results.

**ADJUST POWER ACCURATELY**
Switching from low to medium/high power setting is easy with the color-coded dual power modes.

**EASILY DISINFECT**
The smooth surface makes disinfection simple and easy.

**EFFORTLESSLY IDENTIFY SETTINGS**
The color-coded, lighted display enhances vision and is easy to adjust with the touch of a button.

**AUTOMATICALLY PURGE WATERLINES**
The auto-purge function helps remove air from waterlines and saves the clinician time between patients.

**SWERV® PART-CODES**
- SWERV® Series - 30K: UM3-30
- SWERV® Series - 25K: UM3-25

**HANDPIECE FEATURES**

**ERGONOMIC DESIGN**
A lightweight, well-balanced design reduces clinician fatigue.

**REDUCED MUSCLE STRAIN**
Large diameter handpiece reduces finger pinching for increased clinical comfort.

**COMFORT ZONE HANDPIECE**
Enables use of a relaxed grasp that eliminates undesired pressure points.

**PATENTED SWIVEL™ INSERTS**
For unmatched durability and superior scaling efficacy.
CARE & MAINTENANCE: MAGNETOSTRICTIVE

INSTRUCTIONS FOR USE:
To increase the o-ring life of Hu-Friedy ultrasonic inserts and to prevent water flow from the tip after release of the foot control, take the following steps before placing the insert into the handpiece. Hold the handpiece upright over the sink, activate the foot control and flush the water line for 2 minutes. Fill entire handpiece with water. Gently twist the insert into the handpiece until completely seated.

Swivel® and Swivel Direct Flow® inserts - To maintain a smooth swivel, activate the foot switch and rotate insert 2-3 times.

All thin inserts (MDO Swivel, MDO Swivel Direct Flow, MDO Streamline, Swivel KT™ 30k. After Five) should be used on LOW TO MEDIUM power settings only. Swivel KT 25kHz should be used on low power only.

Warning: Do not expose resin or silicone handled ultrasonic inserts to solutions containing phenols, glutaraldehydes, iodophors or to dry heat sterilization.

For optimal scaling efficiency, we recommend checking inserts regularly for signs of wear.

Scaling efficiency can significantly diminish with worn inserts. Inferior performance and poor water delivery can result from worn, damaged, bent or altered tips. For optimal scaling efficiency, we recommend checking inserts regularly for signs of wear.

APPLICATION CHART:

<table>
<thead>
<tr>
<th>Light to moderate deposits</th>
<th>Heavy deposits</th>
<th>Cytotoxic cement</th>
<th>Light to moderate deposits in peritubular pockets</th>
<th>Tenacious subgingival deposits</th>
<th>Furcation areas</th>
<th>Developmental concavities</th>
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REPLACEMENT OF WORN INSERTS

Actual Size Guide
Scaling efficiency can significantly diminish with worn insert tips. Inferior performance and poor water delivery can result from worn, damaged, bent or altered tips. For optimal scaling efficiency, we recommend checking inserts regularly for signs of wear.

OPTIMUM EFFICIENCY

1mm loss can result in 25% efficiency loss (reorder)
2mm loss can result in 50% efficiency loss (discard)

CROSS REFERENCE GUIDE:

HU-FRIEDY ULTRASONIC INSERTS

<table>
<thead>
<tr>
<th>Tip Style</th>
<th>Handle</th>
<th>25kHz Part Code</th>
<th>30kHz Part Code</th>
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<tbody>
<tr>
<td>#10 Universal</td>
<td>Metal</td>
<td>UI25KSF10</td>
<td>UI30KSF10</td>
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<tr>
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OPTIMUM EFFICIENCY

1mm loss can result in 25% efficiency loss (reorder)
2mm loss can result in 50% efficiency loss (discard)
SYMMETRY PIEZO SCALING TIPS
Generating Perfect Harmony.

Our special blend of stainless steel works in harmony with your generator’s ultrasonic energy to optimize vibration for superior scaling efficiency and unmatched durability. S-Series tips are compatible with Hu-Friedy’s Symmetry IQ®, Satelec and NSK generators. E-Series tips are compatible with all EMS generators.

AFTER FIVE DESIGNS

STRAIGHT, LEFT & RIGHT
AFTER FIVE TIPS

These probe sized tips are designed to enhance access into periodontal pockets and improve adaptation in interproximal areas, allowing the clinician to more thoroughly debride difficult to reach areas to achieve better clinical results.

AFTER FIVE STRAIGHT
S-SERIES: USAFS
E-SERIES: not available

AFTER FIVE RIGHT
S-SERIES: USAFR
E-SERIES: not available

AFTER FIVE LEFT
S-SERIES: USAFL
E-SERIES: not available

POWER LEVEL
MED
MED
MED

MEDPOWER LEVEL MED MED
S10 UNIVERSAL
S-SERIES: US10
E-SERIES: US10
Standard diameter tip used to remove heavy supragingival deposits.

P UNIVERSAL
S-SERIES: USP
E-SERIES: UEP
Standard diameter tip used to remove moderate to heavy deposits located supragingivally and in shallow pockets.

P10 UNIVERSAL
S-SERIES: USP10
E-SERIES: not available
Standard diameter tip used to remove light deposits and plaque. Tip features smooth edges for safe removal of soft and hard deposits.

100 UNIVERSAL
S-SERIES: US100
E-SERIES: UE100
Probe-sized tip used to remove light deposits in shallow to moderate pockets and for periodontal maintenance.
SYMMETRY PIEZO PERIO TIPS

**UNIVERSAL PERIO**
S-SERIES: US4L
E-SERIES: not available
Standard diameter contra-angle tip used to remove calculus on all surfaces, especially difficult to reach interproximal surfaces.

**100 UNIVERSAL MODIFIED**
S-SERIES: not available
E-SERIES: UE100M
Thin tip used to remove light deposits and plaque. Tip features smooth edges for safe removal of soft and hard deposits.

**LEFT PERIO**
S-SERIES: US4L
E-SERIES: not available
Standard diameter contra-angle tip used to remove calculus on all surfaces of premolars and molars, especially difficult to reach interproximal surfaces.

**RIGHT PERIO**
S-SERIES: US4R
E-SERIES: UE100M
Thin tip used to remove light deposits and plaque. Tip features smooth edges for safe removal of soft and hard deposits.

**POWER LEVEL**
MED
MED—HIGH
LOW
LOW

See page 23 for more information on Hu-Friedy’s Symmetry IQ® Piezo Ultrasonic Scaling units.

Note: - S-series tips are compatible with Symmetry, Satelec/Acteon and NSK Piezo Generators.
- E-series tips are compatible with EMS Piezo Generators.

S-Series tips are compatible with Symmetry IQ® Piezo Ultrasonic Scaling units.

PIEZOELCTRIC SCALING

LOW
LOW
PERIO & DIAMOND-COATED

3 PERIO
S-SERIES: USP3
E-SERIES: UE03
Thin-bladed curette-like tip used to remove heavy deposits and necrotic cementum on anteriors and premolars.

LEFT DIAMOND
S-SERIES: US2LD
E-SERIES: UE2LD
Thin, contra-angle diamond-coated finishing instrument used for removal of residual debris and designed to enhance access to deep periodontal pockets and furcations.

RIGHT DIAMOND
S-SERIES: US2RD
E-SERIES: UE2RD
Thin, contra-angle diamond-coated finishing instrument used for removal of residual debris and designed to enhance access to deep periodontal pockets and furcations.

STRAIGHT DIAMOND
S-SERIES: US1D
E-SERIES: UE1D
Thin, straight diamond-coated finishing instrument used for removal of residual debris and designed to enhance access to deep periodontal pockets primarily in anterior areas.

See page 23 for more information on Hu-Friedy’s Symmetry IQ Piezo Ultrasonic Scaling Units.

Friction: S-Series tips are compatible with Symmetry, Satelec/Acteon and NSK Piezo Generators.
E-Series tips are compatible with EMS Piezo Generators.

POWER LEVEL
LOW
LOW
LOW
LOW
Symmetry Piezo Tips come with the color-coded Guardian Tip Carrier—an innovative torque-limiting wrench/tip carrier designed for remarkably safe and easy connection to the handpiece.

THE EXCLUSIVE COLOR-CODED GUARDIAN WRENCH/TIP CARRIER™ ENSURES PROPER POWER SETTING SELECTION FOR OPTIMAL TIP PERFORMANCE.

SAFE
Tip is recessed in the patented Guardian Tip Carrier to minimize the risk of injury when attaching the tip to the handpiece.

EASY
Simply twist the Guardian Tip Carrier clockwise until you hear the “click” sound to ensure the tip is securely attached to the handpiece.

CONVENIENT
Holds tip during cleaning and sterilization to prevent loss or damage to tip.

What type of Sterilization unit does your office use?
If a Statim 2000 unit is the only sterilizer in your office, you will need to order special shorter Hu-Friedy Guardian Wrenches to ensure compatibility with your sterilizer:

<table>
<thead>
<tr>
<th>Green, S-Series</th>
<th>Blue, S-Series</th>
<th>Green, E-Series</th>
<th>Blue, E-Series</th>
</tr>
</thead>
<tbody>
<tr>
<td>USRTWSG</td>
<td>USRTWSB</td>
<td>UERTWSG</td>
<td>UERTWSB</td>
</tr>
</tbody>
</table>

Note: Please order tips separately.

*Color of the Guardian indicates equipment application mode (if applicable). Refer to your equipment for Scaling and Perio application mode.
Hu Friedy’s Symmetry IQ® 4000 features a lightweight, ergonomically balanced handpiece, a self-contained, large-capacity irrigation supply allowing for portability and the use of medicaments and touch-pad controls with a memory feature for more efficient patient treatment.

**Symmetry IQ® 4000 Multi-Functional Piezo Device**

**Points of Performance**

- **Ensure More Patient Comfort**
  Smooth circuitry and adjustable water flow allow for a better patient experience.

- **Spend More Time on Patient Care**
  Convenient memory feature allows for faster set-up time between patients.

- **Maintain the Device Efficiently**
  Modular plug and play design provides convenient serviceability of unit and eliminates the cost and inconvenience associated with sending the unit out for repair.

- **Clean Simply and Thoroughly**
  The smooth surface simplifies infection control procedures and minimizes the risk of cross contamination.

- **Use Medicaments & Water Effortlessly**
  Stand alone, large capacity (350 or 500mL) irrigation supply allows for increased portability and use of medicaments. Switch to city water with the touch of a button.

**Symmetry IQ Part Codes**

- Symmetry IQ 3000 Device (no irrigation bottle): UP3-120
- Symmetry IQ 4000 Device: UP4-120

**Symmetry Handpiece**

- **Fiber-Optic Lighting**
  Fiber-optic illumination reduces eye strain and enhances visibility.

- **Large Diameter, Ergonomic Design**
  The large diameter ergonomic handpiece relaxes hand grasp for accuracy and control, eliminates pressure points and improves tactile sense.

- **Lightweight**
  The lightweight handle reduces muscle strain and hand fatigue, enhancing clinician comfort.

**Fiber-Optic Lighting**

Symmetry IQ® 3000
CARE & MAINTENANCE: PIEZOELECTRIC

CLEANING & STERILIZATION:
• Piezo tips remain in the Guardian Tip carrier during the complete cleaning, disinfection and sterilization reprocessing cycle.
• Clean using ultrasonic cleaner or thermodisinfector.
• Steam sterilize for at least 5 minutes at 279°F/134°C or 20 minutes at 250°F/121°C. Do not heat above 350°F/177°C.
• Clean, disinfect, inspect and steam sterilize before each use following the respective equipment manufacturer’s user's instructions.
• Do not expose to phenols, iodophors or dry heat sterilization.*

REPLACEMENT OF WORN TIPS
Scaling efficiency can significantly diminish with worn insert tips. Inferior performance and poor water delivery can result from worn, damaged, bent or altered tips. For optimal scaling efficiency, we recommend checking inserts regularly for signs of wear.

OPTIMUM EFFICIENCY
1mm loss can result in a 25% efficiency loss (reorder)
2mm loss can result in a 50% efficiency loss (discard)

APPLICATION CHART:
- Light to moderate supragingival deposits
- Heavy supragingival deposits
- Light to moderate deposits in shallow pockets
- Light to moderate deposits in deep periodontal pockets
- Moderate to heavy deposits in deep periodontal pockets
- Furcation areas

<table>
<thead>
<tr>
<th>APPLICATION</th>
<th>POWER SETTINGS CROSS REFERENCE:</th>
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<tbody>
<tr>
<td>Light to moderate supragingival deposits</td>
<td>*Detailed care and maintenance instructions are available upon request or go to Hu-Friedy.com</td>
</tr>
<tr>
<td>Heavy supragingival deposits</td>
<td></td>
</tr>
<tr>
<td>Light to moderate deposits in shallow pockets</td>
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<tr>
<td>Light to moderate deposits in deep periodontal pockets</td>
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Satelec, NSK, and EMS are trademarks of Acteon, Inc., Nakanishi Inc., and Electro Medical Systems respectively.
HU-FRIEDY ULTRASONIC SATISFACTION GUARANTEE

Hu-Friedy is committed to YOU, our valued customer. If for any reason you are unhappy with your Hu-Friedy Ultrasonic Insert or Piezo Tip within the first 30 days of purchase, simply return it with the invoice for a product exchange or full refund—no questions asked. No other company offers such a comprehensive guarantee.

In addition to the Satisfaction Guarantee, Hu-Friedy offers warranties for ultrasonic tips and inserts, SWERV® magnetostrictive scaler, and Symmetry IQ® piezoelectric devices in the event of failure due to a defect in material/or workmanship. For complete details regarding these warranties, please visit http://www.hu-friedy.com/support/warranties.aspx

For more information about Hu-Friedy’s Total Solutions visit HU-FRIEDY.COM

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