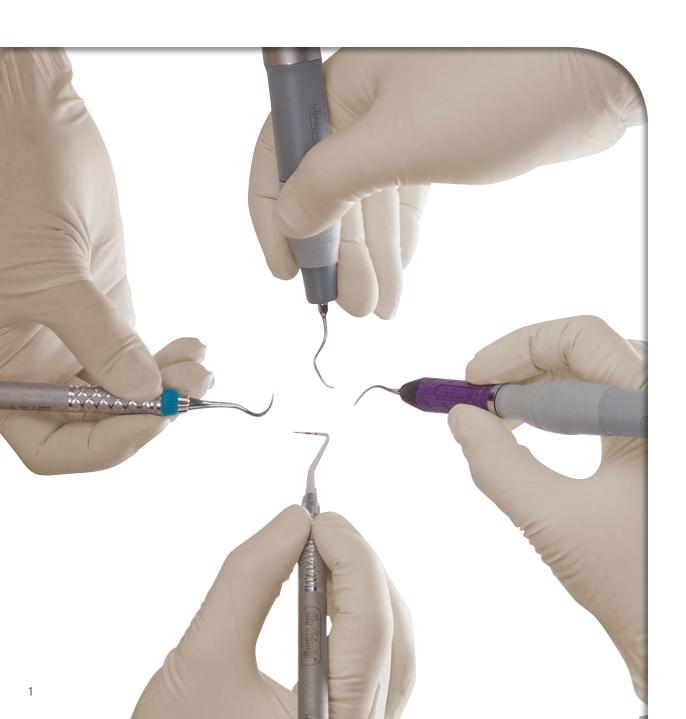


Hu-Friedy ULTRASONIC SCALING

HIGH PERFORMANCE POWERFUL SOLUTIONS





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.

Annals of Periodontology, Proceedings of the 2000 World Workshop in Periodontics. Non-Surgical Pocket Therapy: Mechanical. Charles M. Cobb

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

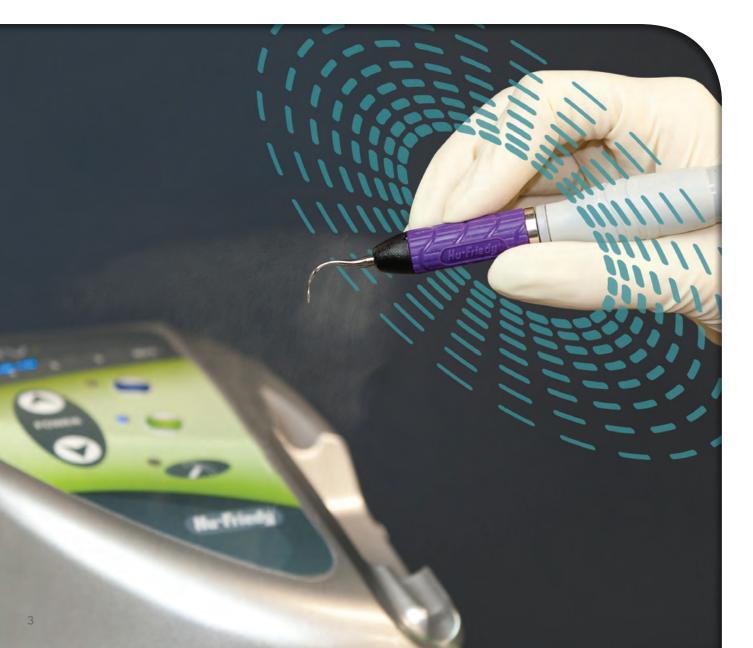
PIEZOELECTRIC

Symmetry Scaling Tips Symmetry IQ® Multifunctional Device



HU-FRIEDY MAGNETOSTRICTIVE SCALING INSERTS

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.



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 Cavitron® and Cavitron-compatible generators.





SWIVEL™ INSERTS

Hu-Friedy exclusive inserts

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.



360° SWIVEL TECHNOLOGY





SWIVEL DIRECT FLOW® INSERTS

The Ultimate Ultrasonic Insert

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.



AFTER FIVE® INSERTS



ventive Strategies for the Dental Hygienist. Journal of Dental Hygiene, February 1992.

See page 9 for more information on Hu-Friedy's SWERV^a Magnetostrictive Ultrasonic Scaling Unit.

25kHz Part Code

30kHz Part Code

POWER LEVEL

^{*} Source: Gerwatowski, L.J., McFall, D.B., Stach, D.: Carpal Tunnel Syndrome; Risk Factors and Preventive Strategies for the Dental Hygienist. Journal of Dental Hygiene, February 1992.

STREAMLINE® INSERTS

Efficient at low to medium/high power settings

ORIGINAL PROPHY INSERTS

The Original Ultrasonic Insert

AFTER FIVE® PLUS INSERTS

Thinner probe-like tip design

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.



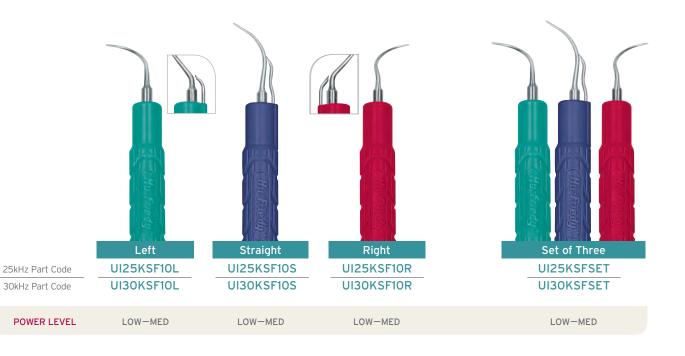


WATER DELIVERY: EXTERNAL OR EXTERNAL FIXED

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 SWERV² Magnetostrictive Ultrasonic Scaling Unit.

SWERV³ MAGNETOSTRICTIVE SCALER

The SWERV³ 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.

SWERV³ PART-CODES

SWERV ³ Series - 30K	UM3-30
SWERV ³ Series - 25K	UM3-25



MAGNETOSTRICTIVE SCALING

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.

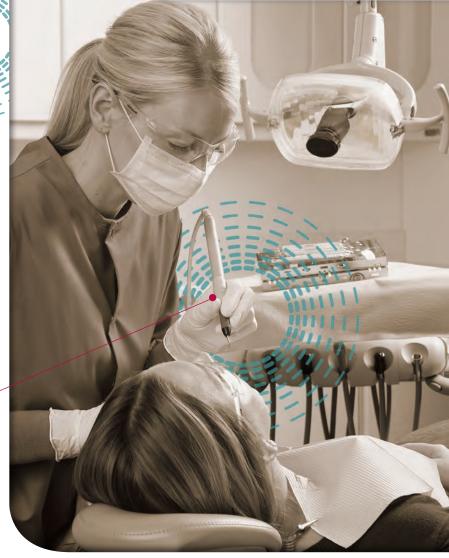
COMFORT ZONE HANDPIECE

Enables use of a relaxed grasp that eliminates undesired pressure points.

PATENTED SWIVEL™ INSERTS

For unmatched durability and superior scaling efficacy.

LIGHTWEIGHT, ERGONOMIC HANDPIECE



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 (#100 Swivel, #100 Swivel Direct Flow, #100 Streamline, Swivel XT™ 30k, After Five® inserts) should be used on LOW TO MEDIUM power settings only. Swivel XT 25kHz should be used on low power only.

Warning: Do not expose resin or silicone handled ultrasonic inserts to solutions containing phenols, gluteraldehydes, iodophors or to dry heat sterilization.
Use steam sterilization (autoclave) only for Swivel™ and Swivel Direct Flow® inserts.

Detailed care and maintenance instructions are available upon request or go to Hu-Friedy.com.

APPLICATION CHART:

	#10U11	#100 This	1100/4	Swirel 45	;	A 16 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	100 100 100 100 100 100 100 100 100 100
Light to moderate deposits	•	•	•	-			•
Heavy deposits Orthodontic cement	•		•		•		•
Light to moderate deposits in periodontal pockets						•	
Tenatious subgingival deposits	•		•	•			•
Furcation areas						•	
Developmental concavities						•	

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 in25% efficiency loss (reorder)

2mm loss can result in50% efficiency loss (discard)



CROSS REFERENCE GUIDE:

HU-FRIEDY ULTRA	SONIC INSER	TS	DENTSPLY CAVITRON† INSERTS						
Tip Style Hand	dle 25kHz Pai	t Code 30kHz Part Cod	le Tip Style	25kHz Handle	30kHz Handle				
Swivel∞									
#10 Olliversul	pink UI25SS10	UI30SS10	TFI [†] #10 Straight	grey	black				
	black UI25SS100	UI30SS100							
	Drange UI25SS1000	0 UI30SS1000	TFI #1000 Straight Tripl	e grey	black				
	purple UI25SSXT	UI30SSXT	CTI-10S THINsert		purple				
Swivel Direct Flow®									
#10 Universal	pink UI25SD10	UI30SD10	FSI-10	dark blue	dark blue				
#100 Thin	black UI25SD100	UI30SD100	FSI-SLI 10S	green	green				
#1000 Triple Bend	orange UI25SD1000	UI30SD1000	FSI-1000	dark blue	dark blue				
After Five" Straight da	ark blue UI25SDS	UI30SDS	FSI-SLI 10S	green	green				
After Five® Right	red UI25SDR	UI30SDR	FSI-SLI 10R	green	green				
After Five® Left	teal UI25SDL	UI30SDL	FSI-SLI 10L	green	green				
00000	red teal UI25SDSET	UI30SDSET	FSI-SLI Assorted	green	green				
Streamline									
#10 Universal	pink UI1025K	UI1030K	TFI #10 Straight	grey	black				
#100 Thin	black UI25K100S	UI30K100S							
#1000 Triple Bend	orange UI100025K	UI100030K	TFI #1000 Straight Tripl	e grey	black				
#3 Beavertail	yellow UI325K	UI330K	Bend TFI #3 Thin Beave	rtail grey	black				
Original Prophy Designs			Classic "P" [†]						
#10 Universal	metal UI25KP10	UI30KP10		metal	metal				
#10 Universal PLUS™	green UI25KP10P	UI30KP10P							
After Five® - Periodontal Debridemo	ent		SLI ⁺ Slimline ⁺						
Arter rive straight	metal UI25KSL10S	UI30KSL10S		metal	metal				
After Five® Right	metal UI25KSL10F	R UI30KSL10R		metal	metal				
After Five® Left	metal UI25KSL10L	. UI30KSL10L		metal	metal				
Set of 3*	metal UI25KSLSE	T UI30KSLSET		metal	metal				
After Five® PLUS™ - Periodontal Debrio	dement		*Set of 3 includes a str	aight, right and left.					
After Five® PLUS™ Straight da	ark blue UI25KSF10S	UI30KSF10S		IMPORTANT NOTE: Hu-Friedy® and Dentsply® are competitors. This chart is not intended					
After Five® PLUS™ Right	red UI25KSF10F	R UI30KSF10R	suggest that the respective Dentsply® and Hu-Friedy® ultrasonic inserts are equivalen comparable. Instead, this chart suggests an alternative Hu-Friedy brand ultrasonic in based on the experience and recommendations of clinicians who have previously uthe listed Dentsply inserts. 'Dentsply, Cavitron, Slimline, Classic "P", TFI, SLI and FSI trademarks of DENTSPLY International, Inc.						
After Five® PLUS™ Left	teal UI25KSF10L	. UI30KSF10L							
Set of 3* dark blue	e red teal UI25KSFSE	T UI30KSFSET							

11 12

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.

Symmetry |Q >

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.







S-SERIES: USAFS E-SERIES: not available



AFTER FIVE RIGHT

S-SERIES: USAFR E-SERIES: not available

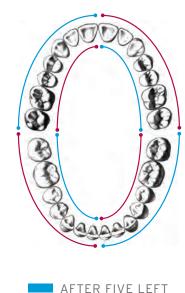


AFTER FIVE LEFT

S-SERIES: USAFL E-SERIES: not available

POWER LEVEL MED MED MED MED

LEFT & RIGHT TIP USAGE GUIDE



AFTER FIVE RIGHT

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

SYMMETRY PIEZO **SCALING TIPS**





S-SERIES: USS10 E-SERIES: UES10

Standard diameter tip used to remove heavy supragingival deposits.







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.







S-SERIES: US100 E-SERIES: UE100

Probe-sized tip used to remove light deposits in shallow to moderate pockets and for periodontal maintenance.





POWER LEVEL MED-HIGH MED-HIGH POWER LEVEL MED MED-HIGH

Footnote: S-Series tips are compatable with Symmetry, Satelec/Acteon and NSK Piezo Generators. E-Series tips are compatible with EMS Piezo Generators See page 23 for more information on Hu-Friedy's Symmetry IQ® Piezo Ultrasonic Scaling Units. 16

SYMMETRY PIEZO PERIO TIPS





S-SERIES: USU
E-SERIES: not available

Thin tip used to remove light deposits and plaque. Tip features smooth edges for safe removal of soft and hard deposits.





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.





S-SERIES: US4R

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.



POWER LEVEL MED MED—HIGH POWER LEVEL LOW LOW

PERIO & DIAMOND-COATED





3 PERIO

S-SERIES: USP3 E-SERIES: UEP3

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.



POWER LEVEL LOW LOW LOW LOW

See page 23 for more information on Hu-Friedy's Symmetry, Satellec/Acteon and NSK Piezo Generators.

E-Series tips are compatable with Symmetry, Satellec/Acteon and NSK Piezo Generators.

E-Series tips are compatible with EMS Piezo Generators

Scaling & Perio **GUARDIAN**™ WRENCH/TIP CARRIER

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.

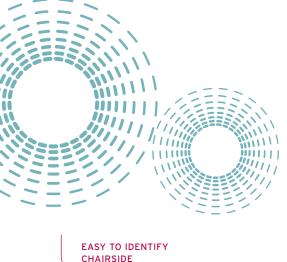
EASY

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.







SCALING WRENCH/TIP CARRIER

Tips contained in an ORANGE wrench should be used primarily on medium to high power (in orange mode or scaling mode if applicable).

POWER LEVEL HIGH



SCALING WRENCH/TIP CARRIER

Tips contained in a BLUE wrench should be used primarily on low to medium power (in blue mode or scaling mode if applicable).

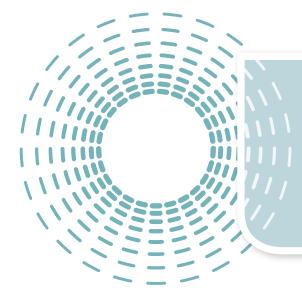
POWER LEVEL MED



PERIO WRENCH/TIP CARRIER

Tips contained in a GREEN wrench should be used primarily on low power (in green mode or perio mode if applicable).

POWER LEVEL LOW



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:

USRTWSG - Green, S-Series **UERTWSG -** Green, E-Series **USRTWSB -** Blue, S-Series **UERTWSB -** Blue, E-Series

Note: Please order tips separately.

Refer to Power Setting Cross Reference on page 26 for equipment specific power settings. Color of the Guardian indicates equipment application mode (if applicable). Refer to your equipment for Scaling and Perio application mode.

SYMMETRY IQ® 4000MULTI-FUNCTIONAL PIEZO DEVICE

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.

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® 4000

SYMMETRY IQ PART CODES

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





PIEZOELECTRIC SCALING

SYMMETRY HANDPIECE

FIBER-OPTIC LIGHTING

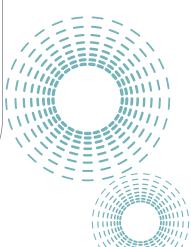
Fiber-optic illumination reduces eye strain and enhances visibility.

LARGE DIAMETER, ERGONOMIC DESIGN

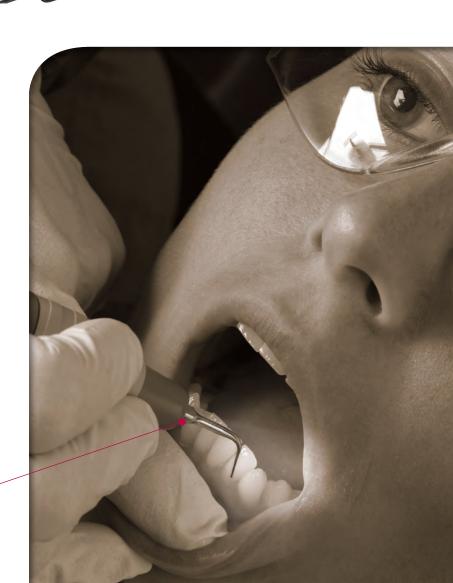
The large diameter ergonomic handpiece relaxes hand grasp for accuracy and control, eliminates pressure points and improves tactile sense.

LIGHTWEIGHT

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



FIBER-OPTIC



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 273°F/134°C or 20 minutes at 250°F/121°C. Do not heat above 350°F/177°C.
- Clean, disinfect, inspect and and steam sterilize before each use following the respective equipment manufacturer's users 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**



HU-FRIEDY ITEM CODE CROSS REFERENCE:

HU-FRIEDY	SATELEC	NSK VARIOS	EMS
USS10	S1	G1	
UES10			Α
US100	10Z	G6	
UE100			PS
UE100M			PL3
USP10	10P	G4	
USP	1S	G5	
UEP			Р
USU	PFU	P20	
USP3	H3	P10	
UEP3			
US4R	H4R		
US4L	H4L		
US1D	H1		
UE1D			
US2RD	H2R	PD3	
UE2RD			
US2LD	H2L	PD2	
UE2LD			
USAFS		P20	
USAFL		P21L	
USAFR		P21R	

APPLICATION CI			1	M Selection		K	,	3	?	4FS AE.
	30	>	·0,	20	کې	15. 15.	0	12. J.	٩	E.
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								•		

POWER SETTINGS CROSS REFERENCE:

HU-FRIEDY	APPLICATION				POWER SETTING					
TIP	HU-FRIEDY	SATELEC	NSK	POWER	HU-FRIEDY SYMMETRY IQ	SATELEC P5	SATELEC SP NEUTRON	NSK VARIOS	EMS MINI-PIEZON	
USS10		SCALING	SCALING	MED	2 - 8 1 - 4	7 - 9	8 - 10	Min - 3		
UES10				MED					1 - 6	
USP10		SCALING	SCALING	MED	■ 1 - 4	7 - 8	8 - 10	Min - 3		
UEP				MED					1 - 6	
USP		SCALING	SCALING	MED	2 - 10 1 - 4	7 - 9	8 - 10	Min - 3		
US100		SCALING	SCALING	MED	4 - 101 - 3	4 - 6	6 - 8	Min - 1		
USU		SCALING	SCALING	MED	4 - 10 1 - 3	7 - 8	1 - 6	Min - 4		
USAFS		SCALING	SCALING	MED	1 - 5	7 - 8	8 - 10	Min - 3		
USAFL		SCALING	SCALING	MED	1 - 5	7 - 8	8 - 10	Min - 3		
USAFR		SCALING	SCALING	MED	1 - 5	7 - 8	8 - 10	Min - 3		
UE100				LOW						
UE100M				LOW					1 - 3	
USP3		PERIO	PERIO	LOW	4 - 10	1 - 3	1 - 4	Min - 4		
UEP3				LOW					1 - 3	
US4R		PERIO	PERIO	LOW	6 - 10					
US4L		PERIO	PERIO	LOW	1 - 6					
US1D		PERIO	PERIO	LOW	7 - 10 1 - 6					
UE1D				LOW					1 - 3	
US2RD		PERIO	PERIO	LOW	1-5	1 - 3	1 - 4	Min - 4		
UE2RD				LOW					1 - 3	
US2LD		PERIO	PERIO	LOW	1 - 5	1 - 3	1 - 4	Min - 4		
UE2LD				LOW					1 - 3	

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, SWERV³ 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



