

ultrawave™
PIEZO ULTRASONIC

THE NEW LINE OF PIEZO ULTRASONIC DEVICES FROM ULTRADENT.



SCALING
ENDO
PERIO
RESTORATIVE



A NEW WAVE OF SMILES

INTRODUCING: ULTRAWAVE

With the popularity of ultrasonics growing over the past several years, we were determined to offer a piezoelectric device that would not only improve the quality of a procedure, but also offer maximum comfort to both the clinician and patient.

Ultrawave and Ultrawave XS LED piezoelectric devices use advanced ultrasonic technology to decrease treatment time, lessen hand and wrist fatigue, minimize tissue trauma, and much more. And with our intuitive Reflex™ technology, you can rest assured your device is auto-adjusting the power and amplitude for a smooth, comfortable, and controlled procedure, every time.



SUCCESSFUL PROCEDURES

The Ultrawave and Ultrawave XS ultrasonic devices use Reflex technology and an intuitive design to give your patients a level of gentle comfort that other ultrasonic devices simply can't. Scaling, endo, perio, and restorative procedures are now easier than ever, and that's something worth smiling about.

REFLEX™ TECHNOLOGY

AUTOTUNING SYSTEM

SPEED

Automatic frequency and power regulation system adjusts 28 kHz–36 kHz

The tip is always tuned into the right vibration frequency

Guaranteed efficiency whatever the environment and/or treatment performed

PUSH-PULL RESPONSE

GENTLENESS

Controlled amplitude of the tip vibrations and movement

Treatments performed with smooth and painless vibrations

For preservation of fragile tissues and patient comfort

FEEDBACK EFFECT

POWER

Real-time power adjustment

Power (torque) is adjusted intelligently according to the resistance met by the tip

With minimum pressure, experience more precision and less hand fatigue



THE BRAIN OF EVERY UNIT

The Reflex control module utilizes the most advanced electronic components and over thirty years of piezo ultrasonic experience to provide you with the satisfaction and ease Ultrawave offers. With this progressive technology, you hold in your hand amazing control, maximum device performance, and superior power for the wide variety of uses and applications.

ULTRAWAVE[™] ULTRASONIC DEVICES

Ultrawave and Ultrawave XS piezoelectric devices utilize advanced ultrasonic technology. Unlike sonic or magnetostrictive scalers, these piezoelectric devices offer improved performance and better control of the various tips. By using a linear motion at an ultrasonic frequency of up to 36 kHz, a microstreaming effect creates a cavitation that helps eliminate biofilm in the periodontal pocket and inside the root canals.



ULTRAWAVE FEATURES

1 ERGONOMIC CONTROLS

- Simple and precise control
- Easy-to-read illuminated dial allows for quick reference with the Ultrawave Color-Coding System

2 LIGHTWEIGHT HANDPIECE

- Excellent access and visibility, even in posterior areas
- Handpiece can be autoclaved at 132°–138° C
- Powerful, long-lasting LED (Ultrawave XS only)

3 VERSATILE FOR MANY INDICATIONS

- Compatible with 81+ Acteon® Satelec® tips
- Indicated for scaling, endo, perio, and restorative procedures

4 WATER CONNECTION (ULTRAWAVE ONLY)

- Connects directly with your in-office water supply
- Allows for constant flow

5 SELF-CONTAINED IRRIGATION (ULTRAWAVE XS ONLY)

- Large-capacity 300ml tank
- Easy to fill, even during a procedure
- Touch-button purging
- Easy to clean and disinfect
- Can be filled with solution of choice (chlorhexidine, EDTA, sodium hypochlorite, etc.)

6 RELIABLE PUMP (ULTRAWAVE XS ONLY)

- Silent pump with a constant flow rate ensures a controlled spray

* Acteon® and Satelec® are trademarks of Satelec, a company of Acteon Group.

LIGHTWEIGHT, EASY-ACCESS HANDPIECES

- Excellent visibility, even in posterior areas
- Handpiece can be autoclaved at 132°–138° C
- Powerful, long-lasting LED (Ultrawave XS only)



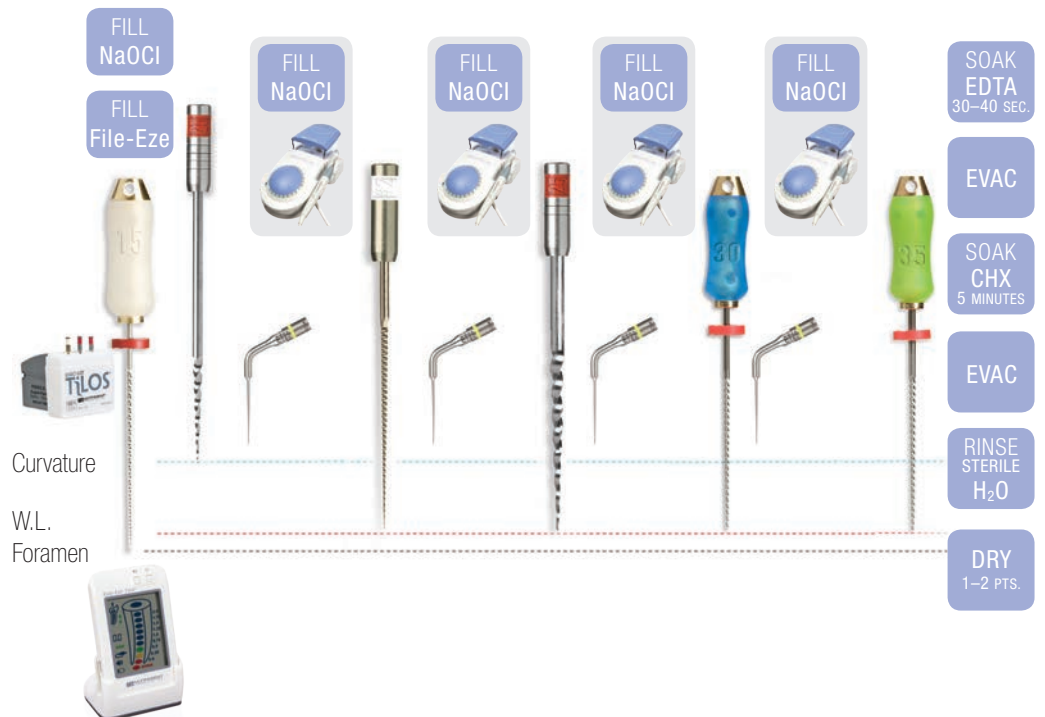
ENDODONTIC APPLICATIONS

The Ultrawave XS makes it easy to incorporate ultrasonification into endodontic procedures, which is essential for efficient cleaning and disinfection of the root canal. For example, use the titanium niobium alloy ET25 tip for passive ultrasonic irrigation (PUI) to safely remove the smear layer, dentin debris, and bacteria from the canal. The tip's shape improves microstreaming and microcavitation in fluids, and its noncutting rounded end prevents damage to the apical third.

ULTRAWAVE XS FOR ENDODONTIC TREATMENT

- Contains a large-capacity, detachable 300ml tank for irrigation solutions
- Easy to fill, even during a procedure
- Quiet, long-lasting peristaltic pump
- Easy irrigation flow control
- State-of-the-art cleaning and disinfection

TILOS SEQUENCE WITH P.U.I. (PASSIVE ULTRASONIC IRRIGATION)



BETTER ACCESSORIES FOR BETTER RESULTS

In most practices, frequently changing tips is part of the routine. The Ultrawave Color-Coding System and wide variety of tips makes instrument management simple and efficient.

			
 	 	 	 
GREEN Low power, low amplitude. Delicate treatments: Periodontics	YELLOW Medium power, medium amplitude. Precision treatments: Endodontics & Apical Surgery	BLUE High power, high amplitude. Routine prophylaxis: Scaling & Restoration	ORANGE Very high power, maximum amplitude. Special treatments: Post Removal
Green Wrench For use with green-banded tips 	Yellow Wrench For use with yellow-banded tips 	Blue Wrench For use with blue-banded tips 	Orange Wrench For use with orange-banded tips 

COLOR-CODING SYSTEM FOR EASY INSTRUMENT MANAGEMENT

The Ultrawave™ and Ultrawave™ XS piezoelectric units offer exceptional ease of use through the Color-Coding System. Matching the right tip to the right power is simple and reliable. The colors green, yellow, blue, and orange allow tips to be used with the most efficient corresponding power setting on the control dial of the devices.

ULTRAWAVE™ ACTEON® SATELEC® TIPS

Select the perfect tip for each procedure with Ultrawave's Color-Coding System. The colors blue, green, yellow, and orange allow you to quickly pick the right tip for the job, along with the most efficient corresponding power setting on the control dial of the device.



SCALING & RESTORATION

Supragingival and subgingival tips are ideal for standard scaling. Ball-diamond tips are ideal for preparing small proximal cavities.



PERIODONTAL

Perio tips allow for a full-mouth periodontal debridement by crisscrossing root surfaces using low lateral pressure and amplitude.



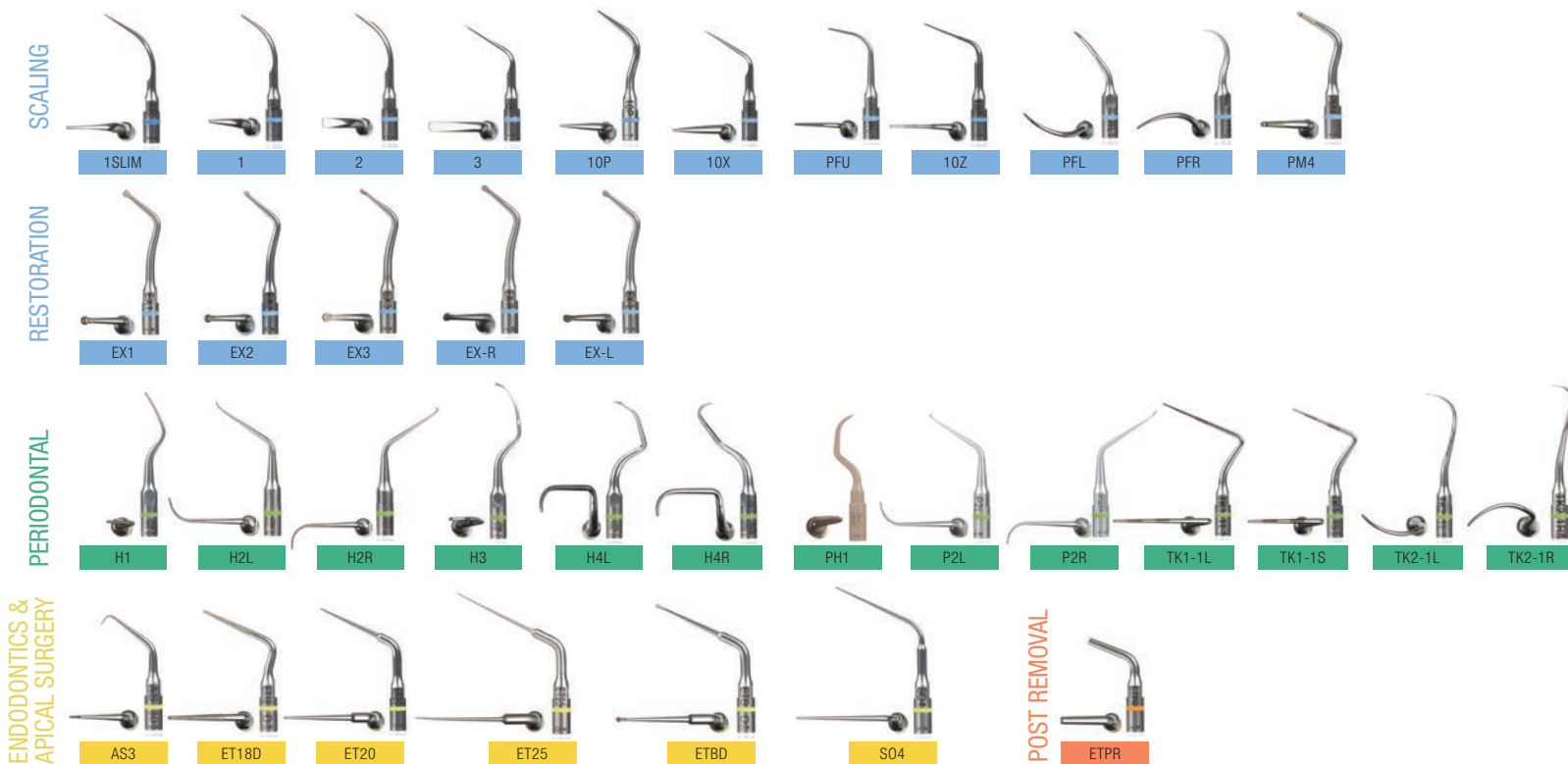
ENDODONTICS & APICAL SURGERY

These tips are specially designed for challenging applications during root canal treatments, including removal of calcification and retreatment.



POST REMOVAL

The ETPR tip is the ideal tool for loosening posts.



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TECHNICAL SPECIFICATIONS



Self-contained irrigation	No (connects to the water supply)	Yes
LED light handpiece	No	Yes
Supply voltage	100V / 115V / 230V – 50 Hz / 60 Hz	100V / 115V / 230V – 50 Hz / 60 Hz
Ultrasonic frequency	28 kHz–36 kHz	28 kHz–36 kHz
Irrigation flow rate	-	7–40ml/min.
Water pressure	1–5 bar (15–72.5psi)	-
Overall dimensions (D x W x H)	170 mm x 150 mm x 80 mm	290mm x 158mm x 125mm
Weight	1380g	2120g
Footswitch (D x W x H)	95mm x 70mm x 30mm (150g)	95mm x 70mm x 30mm (150g)
Handpiece cord	2000mm	2000mm

Sterilize handpiece and accessories in an autoclave according to EN ISO-17665-1 Standard. Temperature: 134°C (273°F); Pressure: 2 Bars (29 P.S.I.); Sterilization time: 18 minutes. See individual product instructions manuals for further information. These devices are manufactured according to the current regulations and standard (IEC 60601-1) and according to the EN ISO 13485 quality control certification system.

ULTRAWAVE KITS

F58340 Ultrawave Kit

- 1 x Ultrawave
- 1 x Handpiece
- 1 x #1 scaling tip
- 1 x 10Z tip
- 1 x H3 tip
- 1 x Green wrench
- 2 x Blue wrenches



F58100 Ultrawave XS LED Kit

- 1 x Ultrawave XS
- 1 x LED handpiece
- 1 x #1 scaling tip
- 1 x 10Z tip
- 1 x H3 tip
- 1 x Green wrench
- 2 x Blue wrenches

