



ultrawave™  
PIEZO ULTRASONIC



SCALING  
ENDO  
PERIO  
RESTORATIVE



# A NEW WAVE OF SMILES

## ALL WITH YOUR COMFORT IN MIND

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.



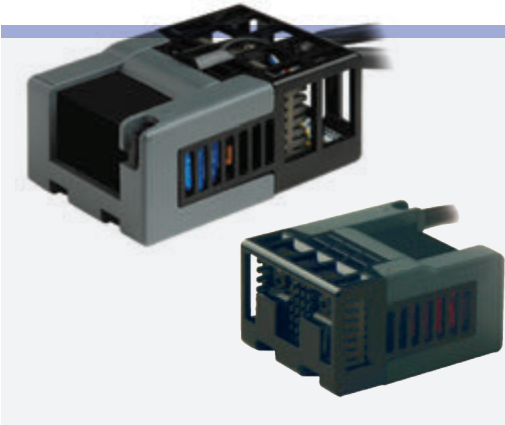
# SUCCESSFUL PROCEDURES



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	PUSH-PULL RESPONSE	FEEDBACK EFFECT
<b>SPEED</b> Automatic frequency and power regulation system adjusts 28 kHz–36 kHz	<b>GENTLENESS</b> Controlled amplitude of the tip vibrations and movement	<b>POWER</b> Real-time power adjustment
The tip is always tuned into the right vibration frequency	Treatments performed with smooth and painless vibrations	Power (torque) is adjusted intelligently according to the resistance met by the tip
Guaranteed efficiency whatever the environment and/or treatment performed	For preservation of fragile tissues and patient comfort	With minimum pressure, experience more precision and less hand fatigue

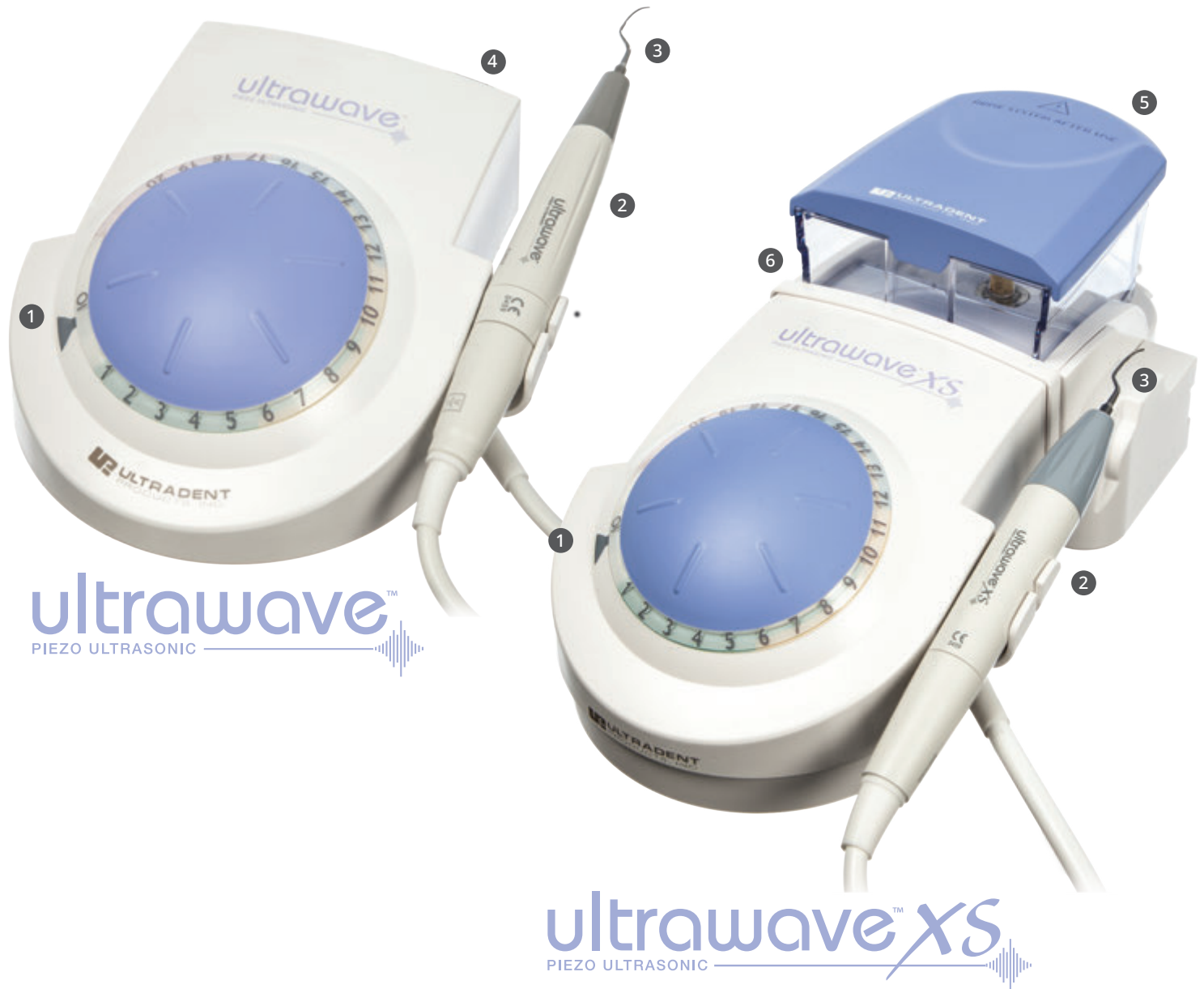


## THE BRAIN OF EVERY UNIT

The Reflex control module utilizes the most advanced electronic components. This module will ensure a piezo ultrasonic experience of satisfaction and ease when treating patients. 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 300 ml 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.)

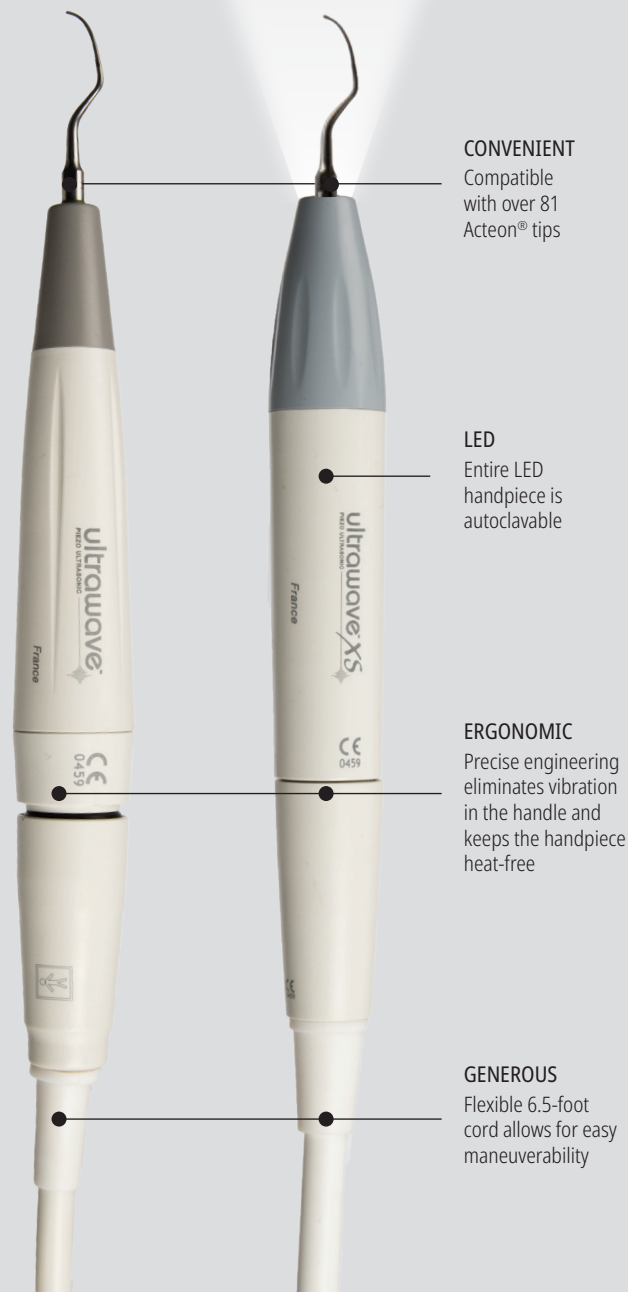
## 6 RELIABLE PUMP (ULTRAWAVE XS ONLY)

- 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)


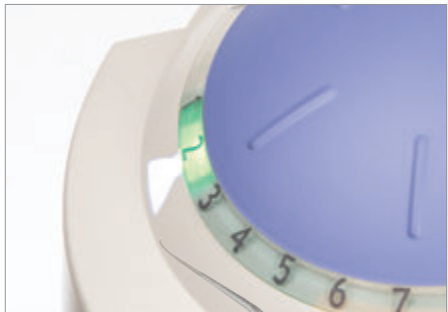





# BETTER ACCESSORIES


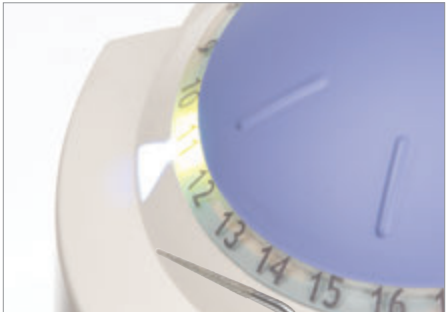


In most practices, frequently changing tips is part of the routine. The Ultrawave Color-Coding System and wide variety of tips make instrument management simple and efficient.






**GREEN**  
Low power, low amplitude.  
Delicate treatments:  
**Periodontics**



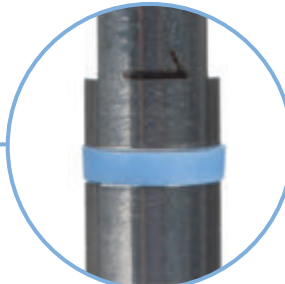


**YELLOW**  
Medium power, medium amplitude.  
Precision treatments:  
**Endodontics & Apical Surgery**





**BLUE**  
High power, high amplitude.  
Routine prophylaxis:  
**Scaling & Restoration**



## COLOR-CODING SYSTEM FOR EASY INSTRUMENT MANAGEMENT

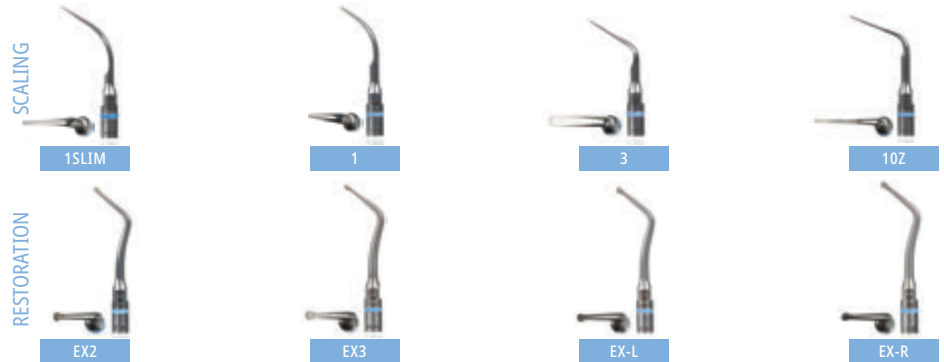
The Ultrawave™ and Ultrawave™ XS piezoelectric units offer exceptional ease of use through the Color-Coding System. Matching the right tip to the right power is simple and reliable. The colors green, yellow, and blue allow tips to be used with the most efficient corresponding power setting on the control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

# ULTRAWAVE™ ACTEON®\* SATELEC® TIPS



## 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.



## TECHNICAL SPECIFICATIONS



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

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

