



Simple. Stress-free. ■

THE NEWTRON® ULTRASONICS SERIES ■

SATELEC
ACTEON



YEARS OF EXPERTISE FOR YOUR SAFETY.

Our researchers and developers blazed new trails with the invention of piezoelectric ultrasonic technology in the 1970s. Today SATELEC® (ACTEON Group) is among the world's leaders in the development and production of ultrasonic devices and tips for dentists throughout the world. So that you and your patients can feel safe and secure at all times during procedures, our devices are constantly under further development – not only technologically but also scientifically, in cooperation with major hospitals, universities and research teams.

PIEZOELECTRIC ULTRASONIC TECHNOLOGY AT ITS BEST THE NEWTRON ULTRASONICS SERIES

- Intelligent NEWTRON technology for the optimal frequency and perfectly controlled, linear oscillation of the tip
- Automatic power regulation based on the resistance
- No fine manual adjustments necessary
- High-precision application
- Painless, tissue-conserving treatment
- Largest selection of tips on the market with more than 70 different tips for any indication area
- Unique color coding system for easy power selection with each tip
- LED light handpiece for more power, better visibility and greater working comfort

..... Simple. Stress-free.



NEWTRON TECHNOLOGY



GOOD FOR USERS. GOOD FOR PATIENTS.

Whether prophylaxis, periodontics, endodontics, prosthetics or restoration, the ultrasonic devices from SATELEC's NEWTRON series are the optimal choice for any indication area. The innovative NEWTRON technology shows that dentistry today can be simple and stress-free – for practitioner and patient alike. The secret is in the balance!

THE ADVANTAGES OF NEWTRON TECHNOLOGY FOR PRACTITIONERS.

The basis of any successful ultrasonic treatment is an optimal power configuration. Simply set the device for the specific indication. The intelligent NEWTRON technology automatically takes care of the rest. It makes certain that the most efficient frequency is available at all times and that the oscillation amplitude of the tip is properly adjusted. This saves you from having to make tedious fine adjustments and interrupt treatment. The power too is directly controlled based on the resistance. Unnecessary effort becomes a thing of the past and the application is made significantly more precise. The continuous balance of these components ensures controlled peak performance which adapts itself perfectly to the individual situation. You hit the mark easily and without stress – with considerable time savings.

WHY PATIENTS WILL WANT TO COME BACK TO YOUR PRACTICE.

Ensure relaxed patients who want to come back to you next time – with a painless and tissue-conserving treatment. **NEWTRON** technology guarantees a perfectly controlled, linear oscillation of the tip at all times. Tooth and soft tissue are in no way affected. The optimal basis for a painless procedure. Your patients will love it!

You can learn more
practical tips
in our seminars on
"Prophylaxis & Periodontology:
Biofilm Removal to Scaling."
Contact us!

OUR UNIQUE COLOR CODING SYSTEM™ (CCS)



FIND THE OPTIMAL POWER SETTING FOR **YOUR** PROCEDURE BY MATCHING THE COLOR OF THE DIAL SETTING TO THE COLORED RING ON THE TIP!

<p>GREEN Low power, low amplitude, delicate treatments: Periodontics</p>	<p>YELLOW Medium power, medium amplitude, precision treatments: Endodontics</p>	<p>BLUE High power, high amplitude, intensive prophylaxis: Scaling</p>	<p>ORANGE Very high power, maximum amplitude, special procedures: Prosthetics and restoration</p>

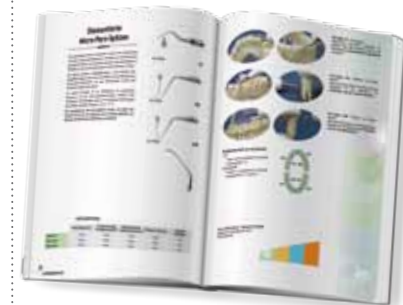
FOR PERFECT INSTRUMENT MANAGEMENT.

In most practices, frequently changing ultrasonic tips is part of the routine. But this carries with it a certain amount of risk each time: of infection or injury, of confusing the tips, of breakage.

SATELEC's unique color coding system helps make instrument management simple and stress-free. Tips and instrument wrenches are marked with matching colored rings. The colors green, blue, yellow and orange represent different indication areas and are repeated on the control dials of the devices. Matching the power level to the tip is easy as can be – with no risk of error.

The colored instrument wrenches and Sterikits help ensure simple, risk-free handling and safe storage of the tips, preventing cross-contamination. And that's a good feeling – for you and your patients!

SATELEC offers the widest range of instruments on the market to optimally meet the requirements for every indication. The materials too leave nothing to be desired (medical-grade stainless steel and titanium-niobium alloys).



ORDER OUR TIP BOOK FOR MORE INFORMATION!

THE P5 NEWTRON-FAMILY. Compact and powerful.

The P5 NEWTRON devices are little powerhouses in your practice. Fast and simple in design and handling, they meet every challenge with bravura. They ensure optimal performance and fast work under perfect ergonomic conditions at all times. This improves not only your own comfort, but also your patients'.

THE P5 NEWTRON

is the reliable ultrasonic system with a permanent water line connection. The P5 NEWTRON XS series has its own self-contained irrigation system.

Both devices are available with a handpiece with or without LED light.



100% ASEPTIC.

EASY TO FEEL GOOD.

The Sterikit is available as an accessory for the P5 NEWTRON XS and XS LED. It quickly and easily attaches the external sterile line for surgical procedures which require a perfectly sterile working environment.



SIMPLE. STRESS-FREE.

- Large-capacity tank (300 mL) for sterile water or special irrigation solutions (such as saline solution, NaOCl, CHX)
- Quiet, long-lasting peristaltic pump
- Easy to fill – even during a procedure
- Irrigate and dry at the touch of a button
- Easy, flexible cleaning and disinfection

EFFICIENT. ILLUMINATED.

- Autoclavable NEWTRON handpiece with durable, fiberglass reinforced housing.
- Light handpiece with 100,000 lux. Excellent visibility, even in the posterior region
- Cold light (6,000 – 7,000°K) for better tissue recognition
- 6 powerful, very long-lasting power LEDs
- Ideal for working with loupes
- No overheating
- Compatible with all tips in the SATELEC range

ERGONOMIC.

- Precise, easy regulation with the control dial
- Integrated, space-saving transformer for improved safety
- Controlled irrigation due to ultraprecise, low-noise fluid supply



Numerous published studies document the outstanding clinical results.

REQUEST OUR STUDIES!

info@acteongroup.com



P-MAX NEWTRON XS: Minimal effort meets MAXimum comfort!

The P-Max Newtron XS is the ultrasonic device for all indication areas. It shines with unmatched precision, simple, fast workflows and optimal flexibility. With just one foot pedal you can comfortably control power, irrigation and air flow. The outstanding NEWTRON LED handpiece ensures good visibility at all times, even in hard-to-reach areas. Feel good – in all situations! - under perfect ergonomic conditions. This improves not only your own comfort, but also your patients'.

P-MAX
NEWTRON
XS



The **AIR-ACTIVE** system is the plus factor for efficiency and comfort in endodontics.

Filtered air is channeled to the tip at low pressure and gives your treatment a particular level of safety. Dentin residue is thoroughly and effortlessly removed. Root canals are cleaned without adding heat. This enables you as the practitioner comfortable, time-saving (without air-water spray) access to the canal without accumulated dentin debris. No stress!

FLEXIBLE. SIMPLE.

- Two autoclavable, large-capacity tanks (300 mL) let you use two different solutions
- Whichever tank is active lights up
- Easy to fill – even during a procedure
- Irrigate and dry at the touch of a button
- Stress-free cleaning and disinfection

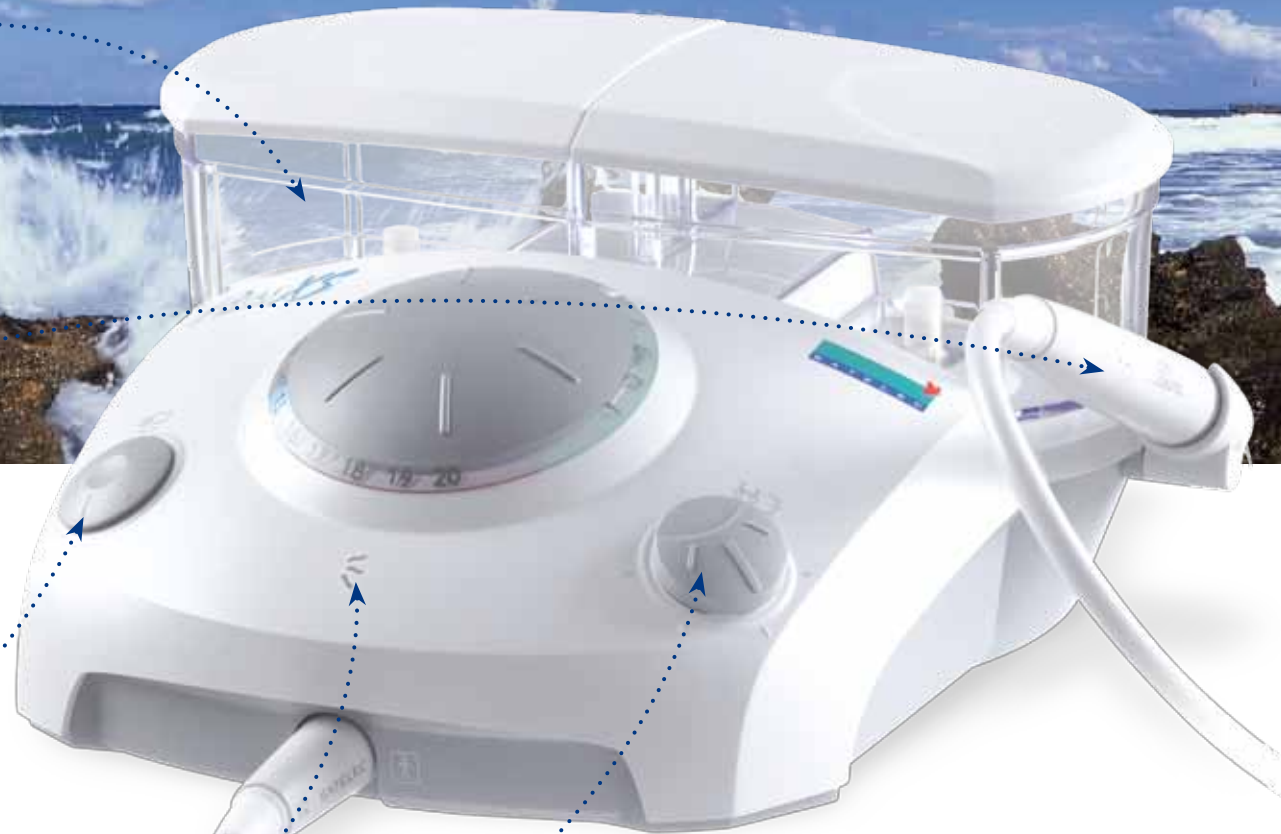
EFFICIENCY. ILLUMINATING.

- Autoclavable NEWTRON handpiece with durable, fiberglass reinforced housing
- Extremely long-lasting LED light handpiece with 100,000 lux. Excellent visibility, even in the posterior region
- Cold light (6,000 – 7,000°K) for better tissue recognition
- Ideal for working with loupes
- Handpiece and tube also removable for easy cleaning.

TANK SELECTOR.

 AIR-ACTIVE FUNCTION.


FLUID FLOW REGULATION.



ON/OFF
IRRIGATION
BOOST.

 AIR-ACTIVE FUNCTION.

TECHNICAL DETAILS

FEATURE					
Classification	Class II, type BF	Class II, type BF	Class I, type BF	Class I, type BF	Class I, type BF
Self-contained irrigation	No. Connects to water supply		Yes	Yes	Yes
LED light handpiece	no	yes	no	yes	yes
Handpiece autoclavable	yes, at 134°C	yes, at 134°C	yes, at 134°C	yes, at 134°C	yes, at 134°C
Supply voltage	100-115-230 V; 50-60 Hz	100-115-230 V; 50-60 Hz	100-115-230 V; 50-60 Hz	100-115-230 V; 50-60 Hz	100-115-230 V; 50-60 Hz
Ultrasonic frequency	28-36 kHz	28-36 kHz	28-36 kHz	28-36 kHz	28-36 kHz
Irrigation flow rate	–	–	7-40 ml/min.	7-40 ml/min.	5-40 ml/min.
Water pressure	1-5 bar (15-72,5 PSI)	1-5 bar (15-72,5 PSI)	1-5 bar (15-72,5 PSI)	1-5 bar (15-72,5 PSI)	1-5 bar (15-72,5 PSI)
Dimensions (DxWxH)	170x150x80 mm	170x150x80 mm	290x158x125 mm	290x158x125 mm	260x290x135 mm
weight (without accessories)	1.380 g	1.610 g	1.700 g	2.120 g	3.200 g
Footswitch (DxWxH)	95x70x30 mm	95x70x30 mm	95x70x30 mm	95x70x30 mm	177x173x43 mm
Footswitch weight	150 g	150 g	150 g	150 g	610 g
Handpiece cord length	2,0 m	2,0 m	2,0 m	2,0 m	2,0 m

The instruments handpiece and accessories (instrument wrench, Steribox, etc.) can be sterilized in the autoclave according to EN ISO-18775-1; temperature: 134°C (273°F); pressure: 2 bar (29 PSI); sterilization time: 18 minutes. For more information, see the operating manuals

These devices are manufactured according to the current regulations and standards (IEC60601-1) and according to the EN ISO 13485 quality control certification system.