

High performance ultrasonics
for all



PIEZOTOME
Piezo.Ultrasonic.Surgery.Unit



Power ultrasonics for bone surgery

Performance and safety

A powerful device, a highly-efficient Piezotome handpiece, hard-wearing and fine tips for making fast incisions, **effortlessly and without excessive pressure**, that limit any risks of lesions on soft tissues.

Precision and regularity

The Newtron technology that drives the handpiece by Cruise Control® guarantees **gentle, regular and controlled vibrations** of the Satelec® tips, allowing continuous action, even on deep cuts.

Adaptability and versatility

Piezotome can be used as required for complex pre-implant surgery or for more conventional treatments and prophylaxis, **by alternating between two distinct handpieces** (Piezotome and/or Newtron).

With a choice of over 100 ultrasonic instruments, Piezotome gives access to the widest range of tips on the market.

Universality and ergonomics

This user-friendly device will suit **all those practitioners** - the dental surgeon, periodontologist, endo specialist, implantologist or maxillofacial surgeon - who wish to perform precise, fast treatments in total confidence.

Reliability and long life

Since they were launched in 2005, the device and its accessories have gained a reputation for being very reliable and hardwearing, **rendering surgical treatments profitable**.



By the number 1 in ultrasonics

Satelec, inventor of piezoelectric ultrasonic generators for dental use, *designed the Piezotome to facilitate procedures that were heretofore considered as difficult, such as osteotomy, curettage, remodeling, crown lengthening, extraction, crest expansion or sinus lift*

Ergonomics and simplicity

Newtron mode: surgical endodontics and periodontics, conservative dentistry, periodontal maintenance and prophylaxis



Irrigation flow

Easy disinfection of unit

Irrigation mode: flow adjustment, start up, purge and stopping of the pump

Piezotome mode: Four programs selected according to bone density and uses: osteotomy, curettage, sinus elevation



Asepsis

Ultra-quiet pump,
Ultra-fast to set up

Irrigation lines autoclavable 100 times (Ref. [F57374](#): Kit 1 line/10 perforators) and/or single use sterile lines (Ref. [F57370](#) : kit 10 lines) with integrated cassette

Sterilizable cords and handpieces

Dual footswitch, the hands-free concept



Safety:

Preservation of soft tissues

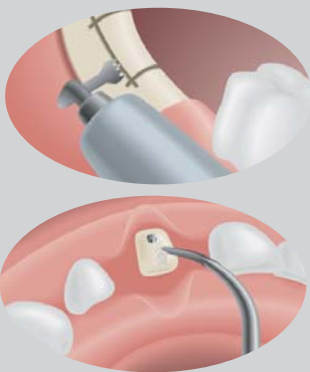
Piezotome offers a selective cut, active on hard tissues but avoiding damage to soft tissues such as nerves, membranes and arteries.

Clinical cases

Bone Surgery

Osteotomy

Bone cutting, bone graft harvesting, osteoplasty



BS1 - Ref. [F87301](#)

BS2L - Ref. [F87302](#)

BS2R - Ref. [F87303](#)

BS4 - Ref. [F87304](#)

BS5 - Ref. [F87305](#)

BS6 - Ref. [F87306](#)



Bone Surgery Kit

Ref. [F87309](#)

BS1, BS2L, BS2R, BS4, BS5, BS6

CROWN EXTENSION

NEW

Crown Extension or Lengthening

Osseous remodeling intended to recreate the biologic width



BS6 - Ref. [F87306](#)

CE1 - Ref. [F87351](#)

CE2 - Ref. [F87352](#)

CE3 - Ref. [F87353](#)



Crown Extension Kit

Ref. [F87354](#)

BS6, CE1, CE2, CE3

Satelec® ultrasonics for all

Control of intra-osseous temperature

The constant flow feature of Satelec's exclusive peristaltic pumps ensures that **bone cutting** presents no danger of necrosis. Intra-osseous bone temperature is thus kept perfectly under control.

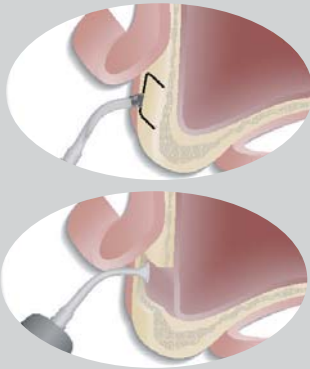
Hemostasis and fast healing

The cavitation effect produced by ultrasonic tips maintains a **treatment area free from bleeding** and **healing is fast**, offering a benefit to both patient and clinician.

Sinus Lift

Sinus elevation by the lateral approach

Bone window cutting and elevation of the Schneider membrane



SL1 - Ref. [F87311](#)

SL2 - Ref. [F87312](#)

SL3 - Ref. [F87313](#)

SL4 - Ref. [F87314](#)

SL5 - Ref. [F87315](#)



Sinus Lift Kit
Ref. [F87319](#)

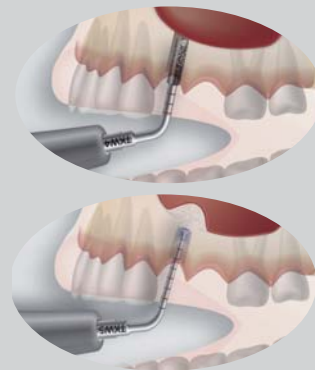
SL1, SL2, SL3, SL4, SL5

INTRALIFT™

EXCLUSIVE

Sinus elevation by the crestal approach

Ultrasonic drilling and Schneider membrane elevation by hydrodynamic effect



TKW1 - Ref. [F87331](#)

TKW2 - Ref. [F87332](#)

TKW3 - Ref. [F87333](#)

TKW4 - Ref. [F87334](#)

TKW5 - Ref. [F87335](#)



IntraLift Kit
Ref. [F87336](#)

TKW1, TKW2, TKW3, TKW4, TKW5

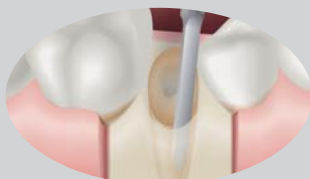


Autoclavable Piezotome handpiece with cord Ref. [F57321](#)

EXTRACTION

Total or partial extractions

Syndesmotomy, extraction, tooth hemisection and root amputations



LC1 - Ref. [F87307](#)



LC1-90° - Ref. [F87341](#)



LC2 - Ref. [F87342](#)



LC2L - Ref. [F87343](#)



LC2R - Ref. [F87344](#)



NINJA™ - Ref. [F87345](#)



Extraction Kit
Ref. [F87346](#)
LC1, LC1-90°, LC2, LC2L, LC2R, Ninja

Conventional surgical or non surgical treatments

Implant maintenance, surgical endodontics and periodontics, conservative dentistry, periodontal maintenance and prophylaxis



S12-90ND - Ref. [F00125](#)



ET20 - Ref. [F88011](#)



H3 - Ref. [F00369](#)



PH1 - Ref. [F00702](#)



Autoclavable Newtron handpiece Ref. [F12282](#) and disconnectable cord Ref. [F57305](#)



Newtron Perio Kit
Ref. [F87321](#)
H1, H2L, H2R, H3, H4L, H4R



Newtron Retro Kit
Ref. [F87326](#)
S12-70D, S12-90ND, S13LD, S13RD



Newtron Micro-Retro Kit
Ref. [F87325](#)
P14D, P15LD, P15RD

Technical specifications

Supply voltage:115 VAC / 230 VAC ~ 50 / 60 Hz
Equipment classification:Class I - BF type
Vibration frequency:28 kHz to 36 kHz
Peristaltic pump flow rate:5 to 80 ml/min. approx. depending on the mode used
Purge function pump flow rate: 80 ml/min. approx.

Dimensions (without bracket):

Width:350 mm
Height:110 mm
Depth:240 mm

Weight (without accessories):2.6 kg

Multi-function dual footswitch

Width:150 mm
Height:40 mm
Depth:190 mm
Weight:500 g

Handpiece cord:2000 mm

Sterilization of handpiece and accessories (wrenches, storage kits, etc.)
in a class B autoclave conforming to EN 13060 Standard:
Temperature: 134°C (273°F); Pressure: 2 Bars (200 hPa);
Sterilization time: 18 minutes under steam heat.
See individual product instructions manuals for further information.

This medical device is referenced as class IIa according to European Directive relevant to Medical Devices.

This medical device is manufactured in compliance with the current Standard (IEC 60601-1)

This medical device has been designed and is manufactured according to the EN ISO 13485 quality assurance system requirements.

Please refer to specific Standards and regulations in force in your country.



Cart sold separately (Ref. F03739)

This system is indicated for Dental and Implant surgery procedures only. The use of this system within a Clinical or Medical Operating Room setting constitutes Off-Label use.

