

Technical Specifications



Supply voltage100 VAC – 230 VAC – 50 Hz / 60 Hz
 Equipment classificationClass I, BF type
 Ultrasonic frequency28 KHz to 36 KHz
 Dimensions(W x H x D and weight)
 Unit 472.9 x 149.5 x 339.9 mm ; 5 Kg
 Multi-function footswitch311 x 181 x 209 mm ; 3.5 Kg
 Peristaltic pump flow rate
 Piezotome & I-Surge mode10 to 120 ml/min
 Newtron mode10 to 40 ml/min



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 Equipment classificationClass I, BF type
 Ultrasonic frequencyMinimum 28 KHz
 Dimensions(W x H x D and weight)
 Device378 x 136 x 306 mm ; 3.7 kg
 Multi-function footswitch173 x 140 x 176 mm ; 1 kg
 Peristaltic pump flow rate0 to 120 ml/min



Autoclavable LEDs Progressive Pedal Controlled Power

FD308 / May 01, 2016



PIEZOTOME® SOLO
 PIEZOTOME® 2
 IMPLANTCENTER™ 2

The Perfect Alliance
 Of Power & Safety



PIEZOTOME CLINICAL BENEFITS

EVIDENCE BASED CLINICAL BENEFITS*

Safety



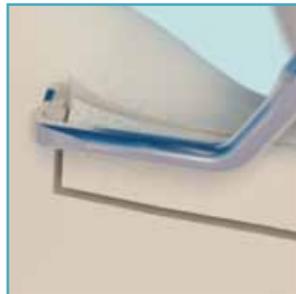
- Selective cutting
- Preserve soft tissue

Minimal bone loss



- Fine and precise cut
- Minimally invasive

Comfort



- Smooth and effortless cut
- Increased tactile feel

Postoperative



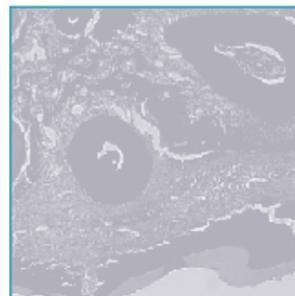
- Decreased pain
- Reduced edema

Optimal visibility



- Cavitation: microbubbles releasing oxygen
- Hemostatic effect

Superior healing

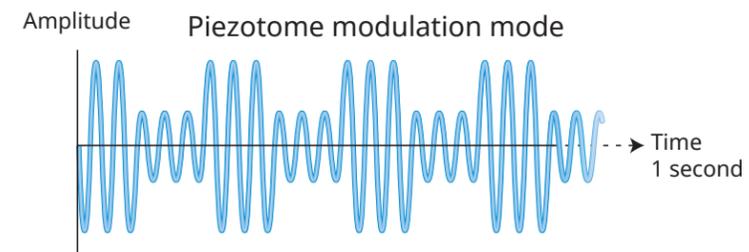


- Fast recovery
- Bone densification



PROVEN TECHNOLOGY

Patented technology for better clinical results



Due to the selected frequencies ranging between 28 and 36 kHz, the tips are active on hard tissue, limiting the risk of soft tissue injury. The modulation of the piezoelectric signal (alternating between high and low intensity) enables the tissue to recover and the cells to regenerate in the best possible way.



*Compendium ULTRASONIC PIEZO SURGERY

- In Vivo Assessment of Bone Healing following Piezotome® Ultrasonic Instrumentation, J. Reside, E. Everett, R. Padilla, R. Arce, P. Miguez, N. Brodala, I. De Kok, S. Nares, Clinical Implant Dentistry and Related research, June 2013.
- Ultrasonic Piezotome® surgery: is it a benefit for our patients and does it extend surgery time? A retrospective comparative study on the removal of 100 impacted mandibular 3rd molar, A. Troedhan, A. Kurrek, M. Wainwright, Open Journal of Stomatology, 2011.
- Piezotome® Clinical Booklet.

**NEUTRON
TECHNOLOGY**

A HIGH LEVEL OF EXPERTISE

UNIT, HANDPIECE AND TIPS WORK AS ONE

ACTEON® Piezotome® ultrasonic power generators are piloted by patented Newtron® electronic technology.

W PRESERVATION

Soft tissue preservation

- Will not cut soft tissue due to patented, modulated piezo signal

Bone preservation

- Highly precise cut with clean incision
- Linear piezoelectric vibrations
- Controlled and consistent tip amplitude

W EFFICACY

Frequency adjustment

- Maximum performance with each tip
- Large range of tip options

Power regulation

- Constant performance levels even in dense bone
- Effortless cut with little pressure

W COMFORT

For both patient and practitioner

- Vibration-free handpiece
- Better tactile sense
- Reduced post-operative pain

ACTEON® MAKES THE DIFFERENCE

Unmatched performance, security and design to pave the way to more precise, faster and painless surgeries such as osteotomies, osteoplasties, sinus lift, crest splitting, extraction and much more.

PUMP BENEFITS

- Consistent flow
- Quiet operation
- Easy insertion of the irrigation line
- Reduced risk of bone necrosis from heat



POWERFUL HANDPIECE

- 60 watts of output
- Boosted handpiece power
- No overheating



SURGICAL TIPS

- Large number of exclusive tips
- Great longevity
- Surgical steel strengthened by low friction surface treatment
- Excellent durability



SIMPLY INDISPENSABLE PIEZOTOME SOLO

THE ESSENTIAL

Piezotome® Solo, represents the best of ACTEON® surgical technology in a compact device. It integrates the most powerful, reliable and safe components dedicated to ultrasonic pre-implant osseous surgery.

Intuitive

The Piezotome® Solo is incredibly easy to use with its intuitive settings.



Power setting



Irrigation



Purge



Memorization

A complete offering

Unit delivered with handpiece



Multifunction footswitch



LED handpiece
100,000 LUX



Essential kit including
6 fundamental tips: BS1S,
BS4, LC2, SL1, SL2, SL3
(sold separately)
Ref F87528

EXPERIENCE POWER
AND SIMPLICITY IN
ULTRASONIC BONE
SURGERY



Piezotome®
Pre-implant bone surgery



Extractions
Bone Block Grafting
Sinus Elevation
Crest Splitting
Piezocision™



POWER & SECURITY

PIEZOTOME 2

BEYOND PERFECTION

With Piezotome® 2, take full advantage of ACTEON®'s ultrasonic expertise in dental as well as in surgical piezoelectric treatments.

PIEZOTOME® Mode

- Active on hard tissue, non-invasive on soft tissue
- Osteotomies, Osteoplasties, Piezocision™
- Lateral and crestal sinus lift
- Crest splitting
- Crown lengthening
- Extractions
- Bone Block Grafting

NEWTRON® Mode

- Many applications for treatment
- Prophylaxis
 - Periodontics
 - Implant care
 - Endodontics
 - Conservative and restorative dentistry
 - Syndesmotomy
 - Crown lengthening

ACTEON'S
ULTRASONIC EXPERTISE
IN DENTAL AND
SURGICAL TREATMENTS



2 modes available

Piezotome®
Pre-implant bone surgery



- Extractions
- Bone Block Grafting
- Sinus Elevation
- Crest Splitting
- Piezocision™

Newtron®
Dental tooth treatment



- Implant Maintenance
- Prophylaxis
- Periodontics
- Endodontics
- Restorative

Saves more time than ever



- PiezoTouch™ : Progressive power regulation in Piezotome® and Newtron® modes
- Main functions are accessible
- Heavyweight, stable and easy to move



- Large 5.7", touch-sensitive screen
- Direct access to all settings
- Easy and storable settings



- 60 watts of cutting power
- Extra bright: light: 100,000 Lux
- Cold light: no overheating and great visibility

ANYTHING IS POSSIBLE

IMPLANT CENTER 2

THE ALLIANCE OF TECHNOLOGIES

The Implant Center™ 2 combines the most advanced ultrasonic and rotary technologies in one device, ensuring total independence in increasingly diverse clinical areas.



THE ALLIANCE OF TECHNOLOGIES FOR POWERFUL AND SECURE BONE SURGERY



I-Surge LED Motor

- Durable, precise and silent
- Fully sterilizable
- Corrosion resistant
- No lubrication needed

Versatile

- Compatible with all light and regular contra-angles on the market (E-type - ISO 3964 connection)
- High torque and wide speed range for many applications
- Accepts implant, perio and endo contra-angles

Customizable

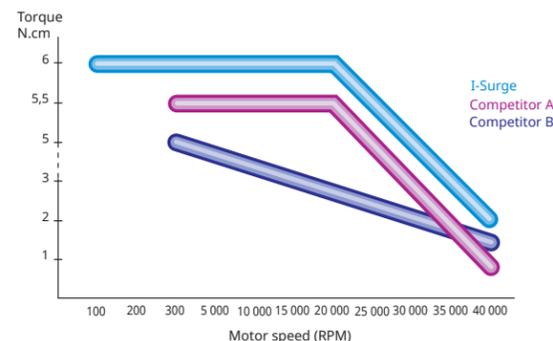
- Four pre-set easily customizable programs
- Intuitive settings can be quickly adjusted during surgery

Stability

- Perfect balance between torque and speed for unmatched stability
- Sustained torque: maintains 6Ncm up to 24,000RPM
- Maximum torque at instrument end (20:1): 120Ncm
- Motor speed: 100 - 40,000RPM



- PiezoTouch™: Progressive power regulation in Piezotome®, I-Surge™ and Newtron® modes.



3 modes available

I-Surge™
Implant motor



Piezotome®
Pre-implant bone surgery

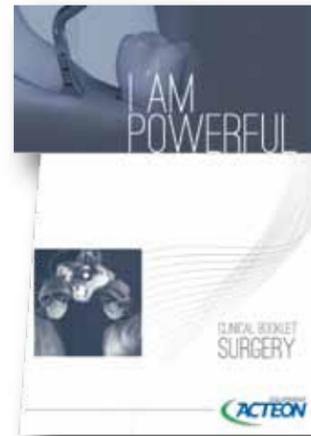
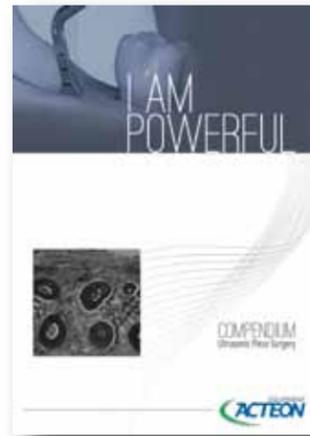
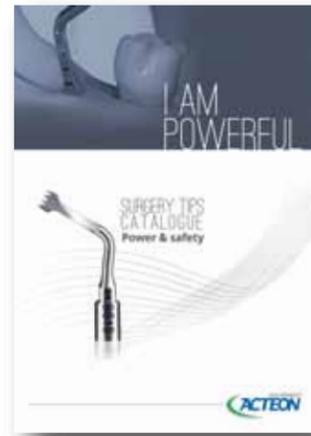


Newtron®
Dental tooth treatment



CLINICAL VERSATILITY

PIEZOTOME SUPPORT DOCUMENTS

Piezotome®
Clinical BookletClinical
CompendiumSurgery Tips
Catalogue

Be part of our Piezotome® training sessions and workshops. Numerous trainings are available in collaboration with dental associations. Check our website and contact ACTEON® for more information.

RELIABLE AND AUTOCLAVE RESISTANT

Durable components that stand up to any decontamination and sterilization process.

Simple Maintenance

Handpiece can be disassembled for cleaning
Easy access to all parts for disinfection



EXCLUSIVE BONE SURGERY TIPS



BS1L
Long saw (15mm)
intended
for facilitating
ramus grafts
ref F87527



BS1RD
Rounded saw,
Large 280° active
surface

ref F87557

Irrigation System

External to the handpiece
2 irrigation lines available
Autoclavable (1 line + 10 perforators - ref F57374),
Single use delivered sterile (set of 10 - ref F57370)
Perforators (10 perforators - ref F57372)



DENTAL TREATMENTS

Get access to nearly 80 different tooth treatment tips with exclusive designs, alloys and coatings for clinical versatility

Newtron® Perio Pack*

Includes: one sterilization box, one Newtron® LED handpiece, one Newtron® Perio kit (H1, H2L, H2R, H3, H4L, H4R), one torque wrench - ref F87520

* Not compatible with PIEZOTOME® Solo

Newtron® Pack Without Tip Kit* - ref F87524

* Not compatible with PIEZOTOME® Solo



Fast assembly system

Robust stainless steel torque wrench
Saves precious time during surgery



MANY EXCLUSIVE TIPS

INNOVATIVE AND BROAD TIP RANGE,
WITH SHAPES ADAPTED TO ANY CLINICAL CONDITION

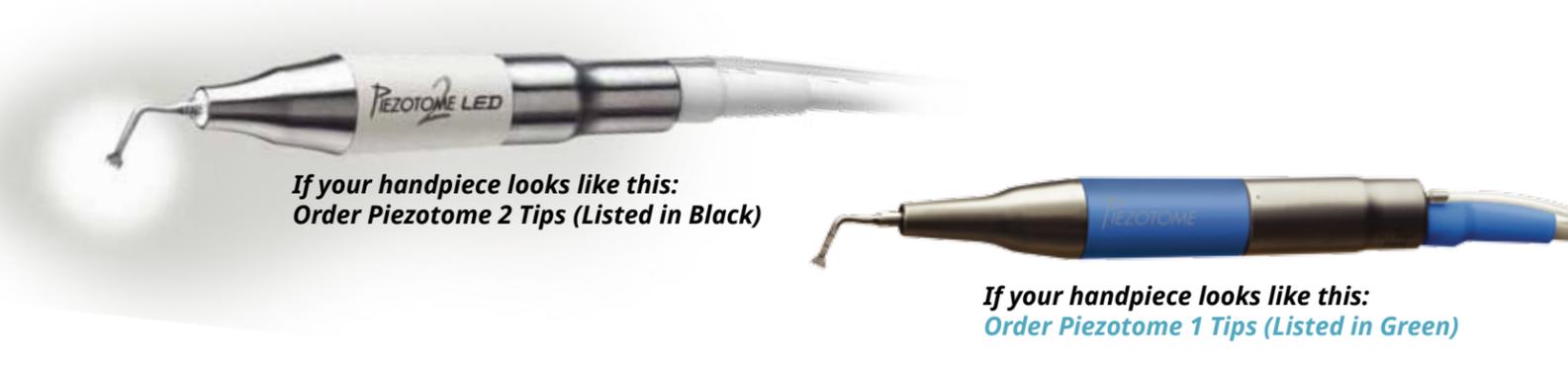


BONE SURGERY

BS1 BS1 Slim - F87525 BL1 Long - F87527 BS1 - F87301	BS1RD BS1 RD - F87557	BS2L BS2L-2 - F87502 BS2L - F87302	BS2R BS2R-2 - F87503 BS2R - F87303	BS4 BS4-2-F87504 BS4 - F87304	BS5 BS5-2-F87505 BS5 - F87305	BS6 BS6-2-F87506 BS6 - F87306
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Osteotomy; Osteoplasty; Performing Bone Grafts.
Allows cutting, excising and remodeling bone structures without any risk of soft tissue damage.

BS Kit: ref F87509



*If your handpiece looks like this:
Order Piezotome 2 Tips (Listed in Black)*

*If your handpiece looks like this:
Order Piezotome 1 Tips (Listed in Green)*



SINUS LIFT

SL1 SL1-2 - F87511 SL1 - F87311	SL2 SL2-2 - F87512 SL2 - F87312	SL3 SL3-2 - F87513 SL3 - F87313	SL4 SL4-2 - F87514 SL4 - F87314	SL5 SL5-2 - F87515 SL5 - F87315
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Lateral Sinus Lifts. A thin cut performed without effort, limiting any risk of sinus membrane perforation or antral artery damage. The elevation is performed by keeping a permanent contact between the membrane and the bone lining.

SL Kit: ref F87519

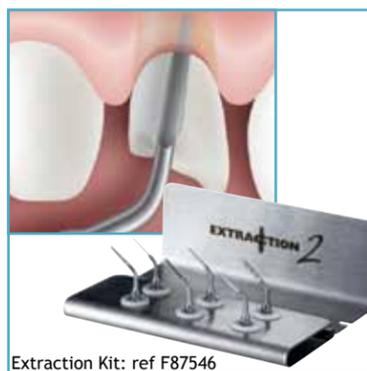


CROWN EXTENSION

CE1 CE1-2 - F87551 CE1 - F87351	CE2 CE2-2 - F87552 CE2 - F87352	CE3 CE3-2 - F87553 CE3 - F87353	BS6 BS6-2 - F87506 BS6 - F87306
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Completely harmless to the gingiva guaranteeing the integrity of bone and adjacent teeth.

CE Kit: ref F87554



EXTRACTION

Ninja Ninja-2 - F87545 Ninja - F87345	LC1 LC1-2 - F87507 LC1 - F87307	LC1 90 LC1 90-2 - F87541 LC1 90 - F87341	LC2 LC2-2 - F87542 LC2 - F87342	LC2L LC2L-2 - F87543 LC2L - F87343	LC2R LC2R-2 - F87544 LC2R - F87344
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LC tips separate the tooth from its attachment system for a rapid atraumatic extraction, keeping the alveolar bone edge intact. Surgeries: extraction of wisdom teeth, fractured roots, impacted teeth, etc.

Extraction Kit: ref F87546

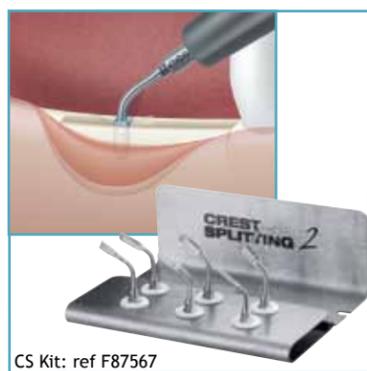


INTRALIFT

TKW1 TKW1-2 - F87531 TKW1 - F87331	TKW2 TKW2-2 - F87532 TKW2 - F87332	TKW3 TKW3-2 - F87533 TKW3 - F87333	TKW4 TKW4-2 - F87534 TKW4 - F87334	TKW5 TKW5-2 - F87535 TKW5 - F87335
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Sinus Lift by the Crestal Approach.
The Intralift Kit makes it possible to perform hydronamically assisted sinus elevation with confidence and safety.

Intralift Kit: ref F87536

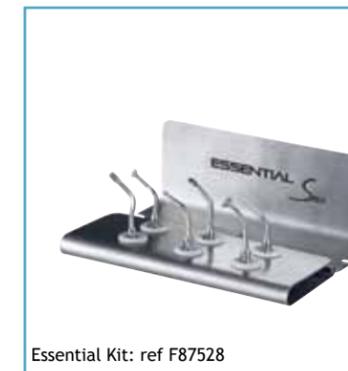


CREST SPLITTING

CS1 CS1-2 - F87561	CS2 CS2-2 - F87562	CS3 CS3-2 - F87563	CS4 CS4-2 - F87564	CS5 CS5-2 - F87565	CS6 CS6-2 - F87566
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The increasing thickness of the tips allows a smooth crest expansion limiting the risk of bone fracture.

CS Kit: ref F87567



ESSENTIAL

BS1 BS1 Slim- F87525	BS4 BS4-2-F87504	LC2 LC2-2 - F87542	SL1 SL1-2 - F87511	SL2 SL2-2 - F87512	SL3 SL3-2 - F87513
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The 6 fundamental PIEZOTOME tips.
Osteotomy; Osteoplasty; Extractions; Lateral Sinus Lifts

Essential Kit: ref F87528