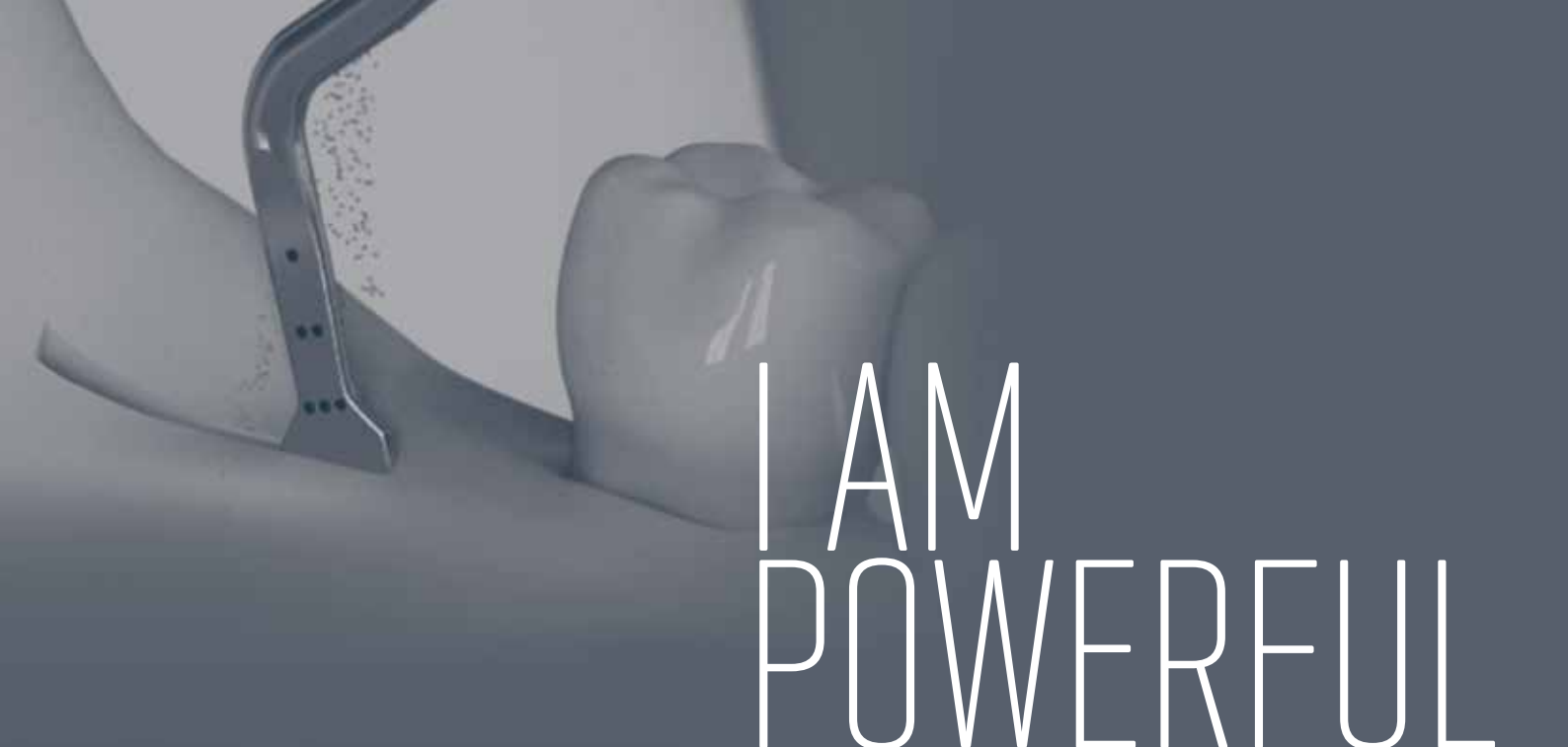




I AM
POWERFUL

IMPLANTCENTER 2
SERVOTOME

**The perfect alliance
Power & Safety**

POWERFUL ULTRASONICS SURGERY BY ACTEON®

ACTEON® surgical units are highly reliable tools, specially designed to meet everyone's priority of improving patient care.

Their unmatched performance combined with the practitioner's clinical expertise paves the way for more precise, faster and painless pre-implant surgeries.

POWERFUL ULTRASONICS

ULTRASONICS CLINICAL BENEFITS

POWERFUL ULTRASONICS

EVIDENCE BASED CLINICAL BENEFITS*

Safety



- ☐ Cutting selectivity
- ☐ Soft tissue preservation

Minimal bone loss



- ☐ Fine and precise cut
- ☐ Minimally invasive

Great comfort



- ☐ Smooth and effortless cut
- ☐ Increase tactile feel
- ☐ Easy bone access

Postoperative



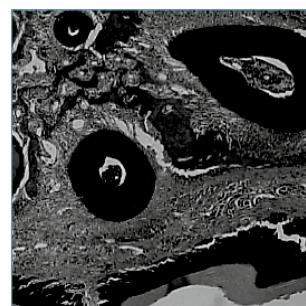
- ☐ Reduced pain
- ☐ Less analgesics
- ☐ Limited oedema

Optimal visibility



- ☐ Cavitation: microbubbles releasing oxygen
- ☐ Hemostatic effect

Superior healing



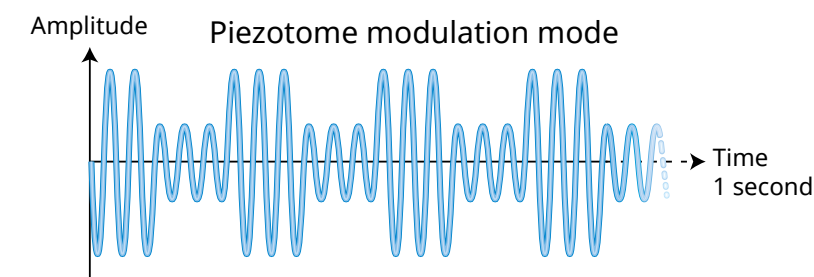
Histological section: Dr Serge Dibart

- ☐ Fast recovery
- ☐ Bone densification



A SHARED VISION

Technological know-how for great clinical benefits



Due to the selected frequencies ranging between 28 and 36 kHz, in Piezosurgery mode, 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

- Reside J, Everett E, Padilla R, Arce R, Miguez P, Brodala N, De Kok I, Nares S. In Vivo Assessment of Bone Healing following Piezosurgery® Ultrasonic Instrumentation. *Clinical Implant Dentistry and Related research*. June 2013.
- Troedhan A, Kurrek A, Wainwright M. Ultrasonic Piezosurgery® 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. *Open Journal of Stomatology*. 2011.
- Piezosurgery® Clinical Booklet.

UNIT, HANDPIECE AND TIPS ARE ONE

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

W PRESERVATION

Soft tissue preservation

- Security: non active on soft tissue (modulated piezo signal)

Bone preservation

- Highly precise cut
- Linear piezoelectric vibrations
- Controlled and regular tip amplitude

W EFFICACY

Frequency adjustment

- Maximal performance of each tip
- Optimal and continuous efficiency whatever the load applied

Power regulation

- Constant performances even in dense bone
- Effortless cut without pressure

W COMFORT

For both patient and practitioner

- Secure with effortless cut
- 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 expansion, extraction and much more.

PUMP BENEFITS

- Constant flow
- Quiet operation
- Easy insertion of the irrigation line



POWERFUL HANDPIECE

- 6 ceramic rings
- Boosted handpiece
- No overheating



SURGICAL TIPS

- Numerous exclusive tips
- Great longevity
- Surgical steel strengthened by surface treatment
- Excellent durability to sterilization cycles



THE ALLIANCE OF TECHNOLOGIES

The Implant Center™ 2 combines, in a complete table-top unit, the most advanced ultrasonic and rotary technologies, ensuring total independence in increasingly diverse clinical areas.



Micro-motor LED

- ☐ Durable, precise and silent
- ☐ Fully sterilizable
- ☐ Corrosion resistant (induction)
- ☐ No lubrication needed

Customizable

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



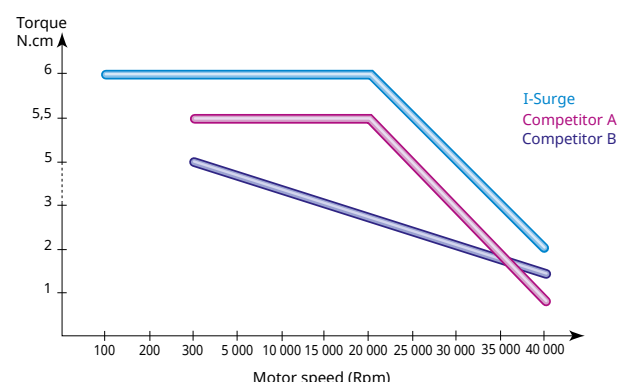
PiezoTouch™: progressive power regulation in Piezotome®, I-Surge™ and Newtron® modes

Variety

- ☐ Compatible with all light and regular contra-angles on the market (E-type - ISO 3964 connection)
- ☐ High torque and wide speed range for all kinds of treatment
- ☐ Ready for implant, perio and endo contra-angles

Stability

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



The alliance of technologies for fast and secure bone surgeries



3 modes of operation

I-Surge™
Implantology motor



Piezotome®
Pre-implant bone surgery



Newtron®
Dental tooth treatment



MANY EXCLUSIVE TIPS

POWERFUL ULTRASONICS

INNOVATIVE AND BROAD TIP RANGE, WITH SHAPES ADAPTED TO CLINICAL CONDITIONS



BONE SURGERY

Osteotomy/Osteoplasty

Clean and thin cut for maximal bone volume
BS1S II, BS2L II, BS2R II, BS4 II, BS5 II, BS6 II tips

BS Kit: ref F87509
BS Pack: ref F87500*



CREST SPLITTING

Rapid and minimally invasive technique for controlled expansion
CS1 II, CS2 II, CS3 II, CS4 II, CS5 II, CS6 II tips

CS Kit: ref F87567
CS Pack: ref F87560*



INTRALIFT™

Crestal Sinus Lift

Minimally invasive surgery for smooth sinus floor fracture
TKW1 II, TKW2 II, TKW3 II, TKW4 II, TKW5 II tips

Intralift Kit: ref F87536
Intralift Pack: ref F87530*



EXTRACTION

Syndesmotomy

For maximum bone preservation
LC1 II, LC2 II, LC2L II (x2), LC2R II, Ninja™ tips

Extraction Kit: ref F87546
Extraction Pack: ref F87540*



PIEZOCISION™

Accelerated Orthodontic Surgery

Minimal incisions, minimally invasive
PZ1, PZ2L, PZ2R, PZ3 tips

PZ Kit: ref F87576
PZ Pack: ref F87570*



SINUS LIFT

Lateral Sinus Lift

Unbeatable comfort:
selective and hemostatic cut
SL1 II, SL2 II, SL3 II, SL4 II, SL5 II tips

SL Kit: ref F87519
SL Pack: ref F87510*

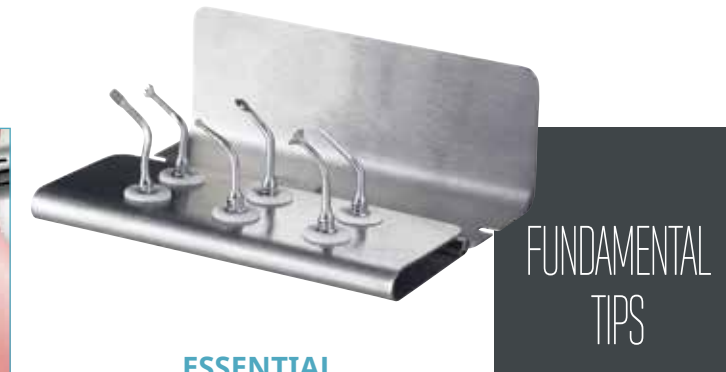


CROWN EXTENSION

Crown Lengthening

Incomparable precision and accessibility
BS6 II, CE1 II, CE2 II, CE3 II tips

CE Kit: ref F87554
CE Pack: ref F87550*



ESSENTIAL

The 6 fundamental ACTEON® Equipment tips
BS1S II, BS4 II, SL1 II, SL2 II, SL3 II, LC2 II tips

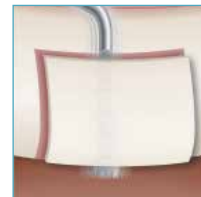
Essential Kit: ref F87528
Essential Pack: ref F87529*

* Including: one sterilization box, one Piezotome® LED handpiece, one tips kit, one dynamometric wrench

CLINICAL VERSATILITY

ACCESSORIES

POWERFUL ULTRASONICS



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

ref F87527



BS1 RD
Rounded saw,
Large 280° active surface

ref F87557

DENTAL TREATMENTS

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

Newtron® Perio Pack

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

Newtron® Pack

Without tip's kit - ref F87524



RELIABLE AND AUTOCLAVE RESISTANT

Durability comes with a good technical environment organization and an adapted cleaning, decontamination and sterilization process.

Irrigation line

External extending the handpiece life
2 irrigation lines available

- ☐ Autoclave
- ☐ Single use delivered sterile



Perfect asepsis

- ☐ Easy accessories maintenance
- ☐ Easy access to all parts for disinfection



Thermosensitizers
approved



Fast assembly system

- ☐ Robust stainless steel dynamometric wrench
- ☐ Saves precious time during surgery



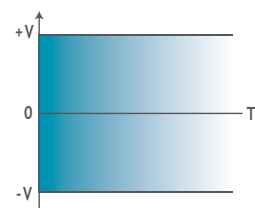
PERFORM ORAL SURGERY ON SOFT TISSUE QUICKLY, PRECISELY AND SAFELY

D'Arsonval proved that high frequency currents above 100kHz have no harmful effects on humans. They will only have a thermal action. The section action is determined by the speed of heat produced which will induce cell vaporization. The coagulation action generates an electric discontinuous wave which will create less heat.

The current quality plays an important role on the cutting and coagulation effect. With more than 30 years of high frequency experience, ACTEON® develops efficient, secure, with unique features unit.

Fully rectified and filtered

- Total respect of biological tissues:
 - A fine and even cut with no side effects
 - Good-quality healing

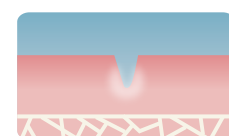


Incision and coagulation

- The only high frequency scalpel on the market that enables incision depth and coagulation to be controlled separately
- Perfect control of treatment:
 - Limiting the risk of burning the tissues
 - Efficient control of bleeding allows excellent visibility of treatment area



Incision



Incision and coagulation

ELECTROSURGERY

INCISION & COAGULATION

30 watts is enough for greater efficiency.

Technological performances

- ☐ Controlled power
- ☐ Reliable and reproducible setting
- ☐ Safer with maximal efficacy
- ☐ Less energy loss

Controlled power for all electrosurgical applications

- Incisions/Excisions
- Frenectomy
- Gingivoplasty
- Coagulation
- Abscess incision
- Exposure of impacted/retained teeth
- Gingivectomy
- Etc.

Conductive bracelet



ACTEON®'s choice for a bracelet system is the best compromise for safety and convenience:

- ☐ Easy to install to enhance patient acceptance
- ☐ In direct contact with the patient's skin
- ☐ Easily disinfected
- ☐ Adjusted to a contact region with a low resistance
- ☐ Perfect size to avoid concentration of heat
- ☐ More security: in compliance with new standards

Reliable and compact unit

- ☐ Very compact
- ☐ User-friendly for a fast setting up
- ☐ Only two potentiometers (incision and coagulation)
- ☐ Settings can be very finely adjusted according to the different types of tissues encountered

Electrode holder

- ☐ Light and autoclavable
- ☐ Simple-to-mount electrodes
- ☐ The electrode is insulated by a sheath, only the active part is in contact with the soft tissue

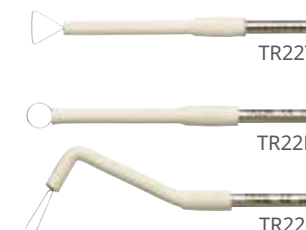


Classification of electrodes according to their size and hemostatic capacity

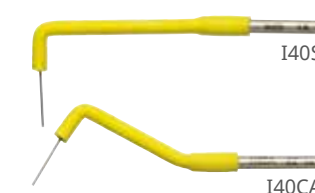
Incision
Ø 0.22mm



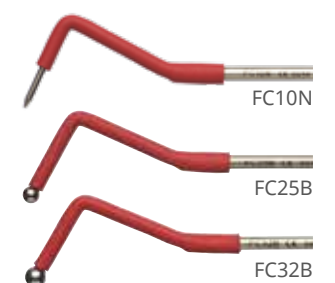
Excision
Ø 0.22mm



Coagulating incision
Ø 0.40mm



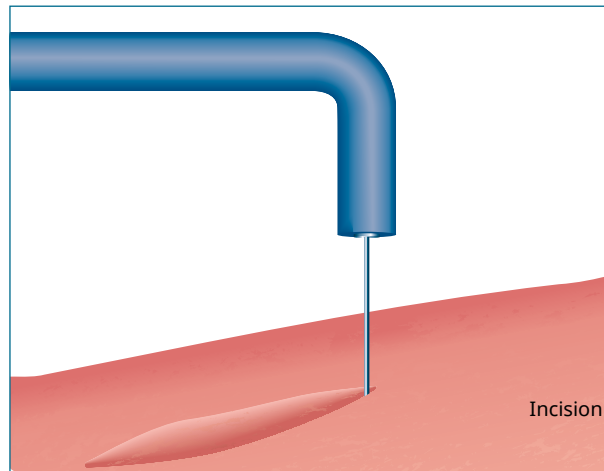
Fulguration and coagulation
Ø 1mm / Ø 2.5mm / Ø 3.2mm



TECHNIQUES OF USE

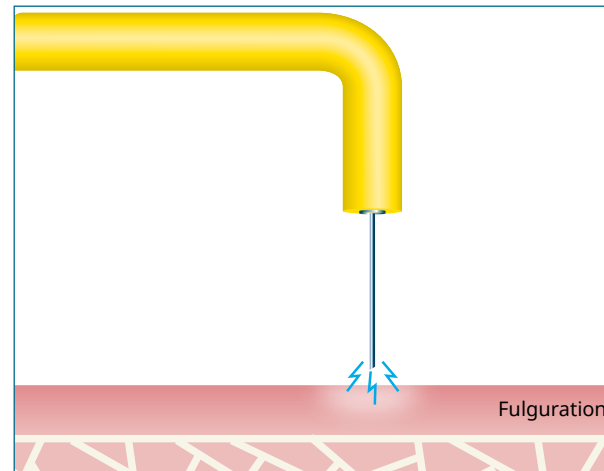
CLINICAL CASES

ELECTROSURGERY



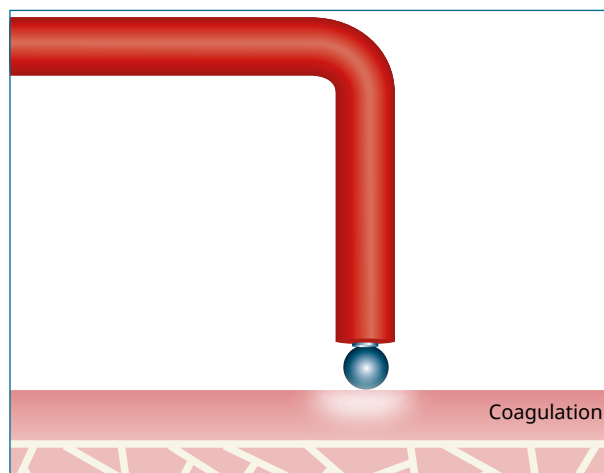
Electrosection

Vaporizing the tissue with the active electrode makes it possible to cut quickly without damaging the edges of the incision.



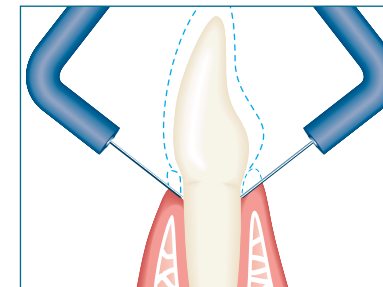
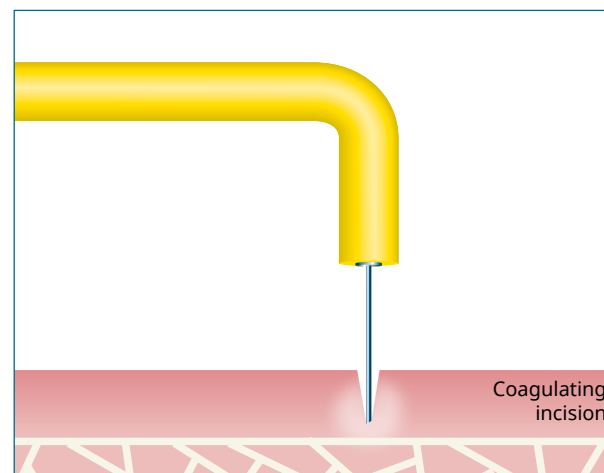
Fulguration

Makes it possible to surface coagulate gingival tissue while protecting the underlying layer.



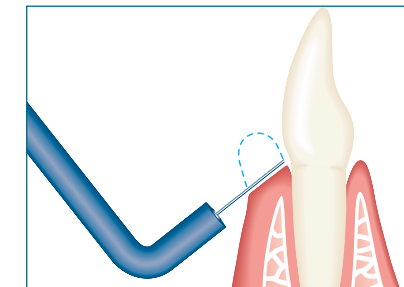
Coagulation

Concentrating energy at the surface of a massive electrode makes it possible to diffuse the heat to the surrounding tissue and produce instantaneous hemostasis.



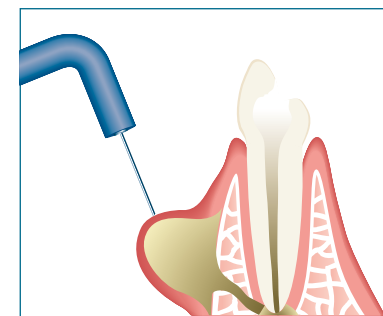
Gingival Eviction

One of Servotome®'s best recommended uses; can easily be combined with the Expasyl® technique (ACTEON®).



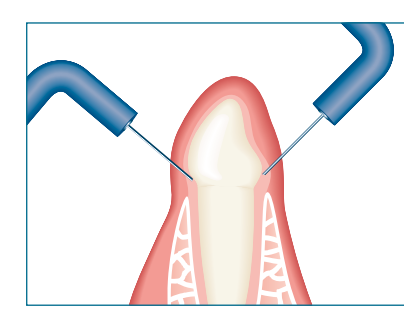
Gingivectomy

For extremely precise tracing of the ideal gingival line.



Abscess incision and drainage

Fast and deep treatment.



Exposure of impacted tooth

Circular incision for a clean and successful exposure.

	SURGICAL APPLICATION	ELECTRODE(S) RECOMMENDED									
		I22S	I22CA	TR22T	TR22R	TR22L	I40S	I40CA	FC10N	FC25B	FC32B
ORAL SURGERY	Gingival eviction	■	■								
	Abscess incision and drainage	■	■				■	■			
	Exposure of impacted tooth - operculotomy	■	■								
	Removal of the pericoronal sac	■	■								
	Hemostasis						■	■	■	■	■
RESTORATIVE DENTISTRY	Dental neck exposure	■	■								
	Exposure of fractured root crown lengthening	■	■				■	■			
	Elimination of hypertrophic gingiva			□	□	□		■			
	Widening of sulcus	■	■				■	■	■		
	Gingival modeling of edentulous crest			□			■	■			
ORTHODONTICS	Exposure of impacted tooth	■	■								
	Frenectomy	■	■				■	■			
	Crown lengthening for brackets placement	■	■				■	■			
	Elimination of hypertrophic gingiva	■	■	□	□	□	■	■		■	
OPERATORY DENTISTRY	Preparation of cavity for inlay before impression						■	■	■		
	Frenectomy	■	■				■	■			
PERIODONTICS	Flap surgery	■	■								
	Gingivectomy	■	■	□	□		■	■			
	Gingivoplasty	■	■	□	□		■	■			
	Stripping	■	■	□	□		■	■			



Watch our Youtube channel:
ACTEON®

ImplantCenter 2: Class IIa medical device - CE 0459 (GMED)
Servotome: Class IIb medical device - CE 0459 (GMED)
For professional dental use only
Manufacturer: SATELEC® - France
Read carefully the instructions for use available on www.acteongroup.com
Updated on: 12/2019