



# ROTATIVE INSTRUMENT

# CUBE TECHNOLOGY

# SAME DURATION<sup>[1]</sup>



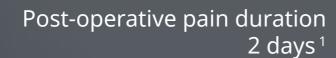


Socket preservation 9



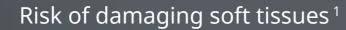


Safe for soft tissues



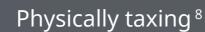


Recommended for immediate implant placement



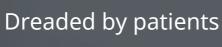


No force needed





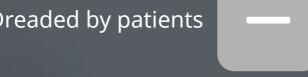
50% less pain & swelling<sup>2</sup>





98% less analgesics intake<sup>1</sup>

Dr. Jeffrey Brooks, DMD, USA





# EXTRACTION BECOMES ATRAUMATIC WORLDWIDE





Maintain integrity of the extraction site and the 4 bony walls around followed by immediate implant placement Dr. Jeffrey H. Brooks, D.M.D, USA





For me as an oral surgeon, the Cube has been an absolute game changer. In a world where gimmicks and promises often come first, this is a solution that has delivered above and beyond what I could have imagined. It now finds use in a growing number of cases where it saves time, improves patient experience and has expanded the complexity of treatment options we can provide.

Dr. Sami Stagnell, BDS MFDS(RCSEd) MSc MFGDP(UK) AKC MOralSurg(RCSEng | Ed) AFFMLM, England



Root elevation after a root section (Ninja® tip) and root extraction (LC2 tip) Pr. Francis Louise, France



No surgical flap was raised keeping the periosteum intact in line with atraumatic extraction protocol *Dr. Adam Kimowitz, DMD, USA* 

# GIVE THE BEST TO YOUR PATIENTS!



Initial syndesmotomy of the impacted third molar Dr. Federico Berton, Italy



100% flapless extraction with Piezo

I practice a 100% flapless extraction with the Piezo in all of my extractions! Root canals, curved roots, ankylosed teeth, implants...a scalpell you won't see on my surgical tray. That's only possible with Piezotome surgery!



First time is best time, atraumatic extraction give us an opportunity to save the alveolar bone to place our implant in right 3D position



The site is ready to receive the implant saving buccal plate and soft tissue

Saving bone and soft tissue is the main factors for immediate implant placement after extraction, the implantology trend these days is to reduce post-operative pain, and improve pre implant tissue quality, Piezotome Cube is helping me to achieve that.

Dr. Majed Abu Arqub Periodontist specialist, Jordan

Dr. med. dent. Marcel Wainwright

# DELIVER COMPASSIONATE CARE & EXPAND YOUR EXPERTISE

# CHOOSE THE REFERENCE<sup>3</sup>

The new gold standard in dentistry <sup>4</sup> **55** v.Prof. Dr. A. Troedhan (Austria)

# GIVE VALUE TO YOUR TREATMENTS

Piezotome® has made my surgeries more predictable, easier, faster and significantly less traumatic which also helped increase the number of patients I have. Both surgeons and patients do benefit equally.

Piezotome® surgery is superior in atraumaticity and soft-tissue safety [...]
No lesions of the mandible nerve were detected with Piezotome® surgery.¹ >>

# GIVE THE BEST TO YOUR PATIENTS

6 & 86% of the patients were observed with no postsurgical swelling and 87% no postsurgical pain. 5 > 5

My patients can get back to work the day after surgery! **55**Pr. Dr. Marcel Wainwright (Sweden)

## **INTRA-OPERATIVE**



## SAFETY

- Cutting selectivity: soft tissues are preserved (nerves, membranes and arteries)
- Intraosseous temperature under control



## **PRECISION**

- Fine and consistent cut on all types of bone
- Minimal bone loss for less invasive procedure



## COMFORT

- New automatic power control for smooth and effortless cut
- Easy bone access thanks to exclusive tips designs



## VISIBILITY

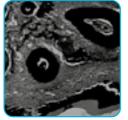
- Stable irrigation flow
- Cavitation spray: microbubbles releasing oxygen limiting the bleeding (hemostatic effect)

## **POST-OPERATIVE**



## SUPERIOR OUTCOMES

- Reduced pain
- Less analgesics
- Limited edema



## **GREAT HEALING**

- Predictable
- Fast recovery
- Bone densification

# GIVE POWER TO YOUR KNOW-HOW

# NEWTRON TECHNOLOGY

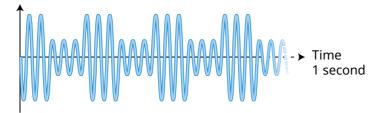
ACTEON® Piezotome® ultrasonic power generators are piloted by the patented **Newtron® technology**. The advanced electronics, the handpiece and the tips are perfectly tuned introducing maximal performance and unique clinical benefits, to tackle each surgery serenely.

## MODULATION

Alternation between high and low amplitude

Soft tissue preservation with better tissue recovering and cells regeneration

Amplitude Piezotome® modulation mode



# EFFICACY

**PRESERVATION** 

## FREQUENCY

Automatic frequency adjustment from 28 to 36kHz according to every tip shape and weight

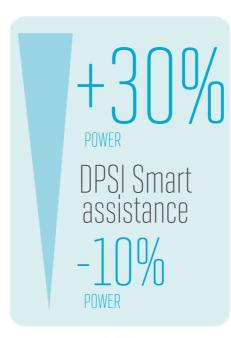
Maximal performance for each procedure

# POWER

Automatic power regulation depending on the resistance encountered

Continuous vibration even in dense bone

# NATURALLY INTUITIVE





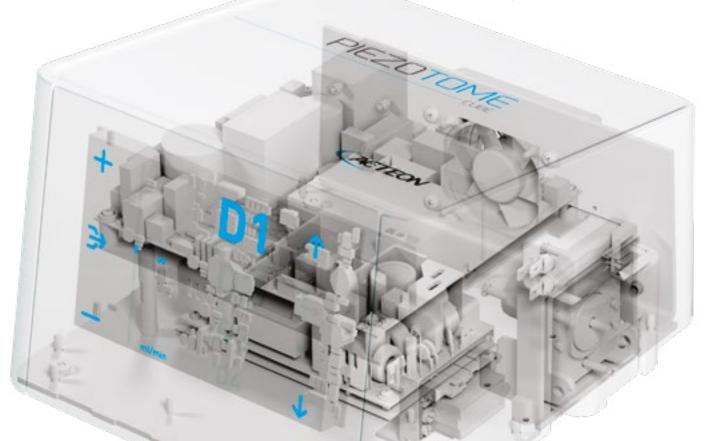
Dynamic Power System Inside
POWER INTUITIVELY ADAPTED
FOR MAXIMUM EFFICIENCY & SAFETY

According to the resistance encountered, the D.P.S.I. smart assistance will:

- ▶ Increase +30% the power, improving cutting performance
- Decrease -10% the power, to be even safer on soft tissues

## WITH THE D.P.S.I., GET

- The most advanced Newtron® technology with continuous monitoring of major criteria (pressure applied, tips designs and bone density)
- Immediate power responsiveness
- **Special starting boost** for an effortless cutting performance whatever the load applied





# ACTEON® MAKES THE DIFFERENCE



Upgraded conception based on ACTEON® 6 ceramic rings

More power than ever

Lighter with perfectly balanced design

Natural gesture, rotation free for less hand fatigue

Full white color LED ring (100,000 Lux)

Great tissue distinction and posterior areas visibility

# FAST ASSEMBLY TORQUE WRENCH

- Saves precious time - Robust stainless steel



# TOTAL ADAPTABILITY

Autoclavable handpiece holder with 2 positions protecting from accidental fall:

- "Clip" table
- "On" table

Weighted multifunctional footswitch



## TIPS

Many exclusive designs

Clinical versatility

Strengthened by surface treatment

Excellent durability



- Fast and intuitive insertion of the irrigation line in the pump
- Small size and robust
- Precise adjustment (ml/min) and regular flow rate reaching the tip's end

## **EXTERNAL IRRIGATION LINE**

- Extend the handpiece lifetime
- Immediate visual control throughout the
- Provide complete sterile work and ease maintenance
- Autoclavable or single use delivered sterile

13

# DURABILITY

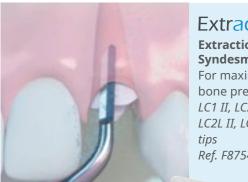
Piezotome® Cube accessories are designed, with robust and durable materials like stainless steel, limiting the use of plastic. A willingness of ACTEON® to offer you a clinical accompaniment over the years.



# CONSCIENTIOUSN

- Easy maintenance
- Direct access to all parts
- Meeting hygiene constraints

# SECURE & BROADEN YOUR SCOPE IN SURGERY



Extraction **Extraction II Kit Syndesmotomy** For maximum bone preservation LC1 II, LC2 II (x2), LC2L II, LC2R II, Ninja® II Ref. F87546

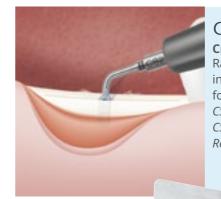
BoneSurgery **Bone Surgery II Kit** Osteotomy/ Osteoplasty Clean and thin cut for maximal bone

volume BS1S II, BS2L II, BS2RII, BS4 II, BS5 II, BS6 II tips Ref. F87509



Performing bone graft, allows cutting, excising and remodeling bone structures reducing the risk of soft tissue lesions.

F87500: BONE SURGERY Pack (A Bone Surgery II kit, a sterilization box,



*limiting the risk of bone fracture.* 

CrestSplitting **Crest Splitting II Kit** Rapid and minimally invasive technique for controlled expansion CS1 II, CS2 II, CS3 II, CS4 II, CS5 II, CS6 II tips Ref. F87567



SinusLift Sinus Lift II Kit **Lateral Sinus Lift** Unbeatable comfort: selective and hemostatic cut SL1, SL2, SL3, SL4, SL5 tips



A thin cut performed without effort, limiting any risk of sinus membrane perforation or antral artery damage.

F87510: SINUS LIFT Pack (A SL II kit, a sterilization box, a Piezotome® LED handpiece and its autoclavable cord, a dynamometric wrench)



F87540: EXTRACTION Pack (An Extraction II kit, a sterilization box, a Piezotome® LED handpiece and its autoclavable cord, a dynamometric wrench)



a Piezotome® LED handpiece and its autoclavable cord, a dynamometric wrench)



Sinus lift by the crestal approach: the IntraLift Kit makes it possible to perform non invasive surgery in full safety.

F87530: Intralift™ Pack (A Intralift™ II kit, a sterilization box, a Piezotome® LED handpiece and its autoclavable cord, a dynamometric wrench



Treatment of malocclusions by ultrasonic corticotomies for a quicker and minimally invasive surgery, flapless or sutureless. Bone stimulated by micro-incisions accelerates tooth movement, the treatment is 3 to 4 times faster\*.

F87570: Piezocision™ Pack (A Piezocision™ kit, a sterilization box, a Piezotome® LED handpiece and its autoclavable cord, a dynamometric



The increasing tips thickness allows a smooth crest expansion

handpiece and its autoclavable cord, a dynamometric wrench)

F87560: CREST SPLITTING Pack (A CS kit, a sterilization box, a Piezotome® LED

Completely innocuous to the gingiva guaranteeing the integrity For osteotomy, osteoplasty, extraction and lateral sinus lift. of bone and adjacent teeth.

F87550: CROWN EXTENSION Pack (A CE II kit, a sterilization box, a Piezotome® LED handpiece and its autoclavable cord, a dynamometric wrench)



F87529: ESSENTIAL Pack (An Essential kit, a sterilization box, a Piezotome® LED handpiece and its autoclavable cord, a dynamometric wrench)

# FOR GENTLE EXTRACTIONS

# THINNESS AND SECURITY



## SYNDESMOTOMY: ANTERIOR AREA

- Ultrasonic periotome intended for syndesmotomy and periradicular osteotomy.

Tip, particularly slim, allows access to the tight spaces between the root and the alveolar bone.

## SYNDESMOTOMY: POSTERIOR AREA

- LC2L
- Left-oriented at 45° tip facilitates access to the posterior areas.

Right-oriented at 45° tip facilitates access to the posterior areas.

## ODONTOTOMY - ROOT SECTION

Saw-tooth tip particularly efficient for hemisections and root amputations.









## OSTEOTOMY - BONE HARVESTING

9mm saw intended for the in-depth cutting of very dense cortical bones.

Left-oriented bone saw used for cutting the ramus cortical bone.

Right-oriented bone saw used for cutting the ramus cortical bone.

- **BS1RD** (not included in the kit) Rounded saw, large 280° active surface
- **BS1L (Long)** (not included in the kit) 15mm saw facilitating ramus bone grafting.

## OSTEOTOMY

Flat scalpel for fine osteotomies.

## OSTEOPLASTY

Circular scalpel for osteoplasty and harvesting of bone particles or chips.

Curved scalpel particularly recom-mended for osteoplasty.









17

BS1RD F87557

# EASY & CONTROLLED TECHNIQUE

# MINIMAL INCISIONS



## OSTEOTOMY

Fine tip dedicated to pilot osteotomy up to 8mm of depth.

Tip dedicated to the second osteotomy up to 8mm of depth.

## CS3

Scalpel used for the discharges incisions in mesial and distal sides, up to 8mm of depth.

## **EXPANSION**

Conical tip for bone expansion. Tip thickness: 1.80mm at 8mm.

Conical tip for bone expansion. Tip thickness: 2.75mm at 8mm.

Conical tip for bone expansion. Tip thickness: 3.75mm at 8mm.











OSTEOTOMY

**PiezoCision** 

### PZ1

Anterior corticotomies.

### PZ2L

Lateral corticotomies on patient's right vestibular arch. To be used with pendulum motion.

### PZ2R

Lateral corticotomies on patient's left vestibular arch. To be used with pendulum motion.

Anterior corticotomies for root proximity concerns.

The 3mm necessary decortication depth is visile on each tip by a laser marking.

### Piezocision™ technique is the combination of:

- micro-surgical incisions performed with Piezotome® powered ultrasonic generators, by ACTEON®,
- bone densification,
- orthodontic tooth movement.

## **INDICATIONS**

- Class I malocclusions with moderate to severe crowding (non-extraction)
- Correction of deep bite
- Selected class II malocclusions
- Rapid adult orthodontic treatment
- Rapid intrusion and extrusion of teeth











PZ3

# FAST, SAFE AND MINIMALLY INVASIVE

# FOR AN UNMATCHED VISIBILITY



## OSTEOTOMY - PILOT DRILLING

### TKW1

Conical and diamond-coated tip for pilot drilling in very dense cortical bone (Ø 1.35mm).

## OSTEOTOMY - SECONDARY DRILLING

### TKW2

Cylindrical and diamond-coated tip dedicated for drilling and fracturing the sinus floor (Ø 2.1mm).

### TKW

Cylindrical tip dedicated to drill and widen the access canal to sinus membrane (Ø 2.35mm).

### TKW

Cylindrical and diamond-coated tip intended for the receptacle preparation and widening the access canal to the sinus membrane (Ø 2.8mm).

## MEMBRANE DETACHMENT (ELEVATION)

### TKW

Tip Ø 3mm to be placed in the receptacle preparation for sinus membrane elevation by crestal approach.





















# VESTIBULAR BONE WINDOW CUT OSTEOTOMY

### SL1

Diamond-coated tip for vestibular bone window cut and for attenuation of sharp angles.

## OSTEOPLASTY

### SL

Diamond-coated ball tip for smoothing the vestibular bone window and precise osteoplasty.

## MEMBRANE DETACHMENT

### SL3

Plateau tip served for sinus membrane elevation on the window's edges.

### SI 4

Spatula served for sinus membrane elevation inside the sinus.

### SL5

Spatula used for sinus membrane elevation inside the sinus and for disengagement of anatomical structures.











# PRECISION & ACCESSIBILITY

# SIMPLY INDISPENSABLE



## OSTEOPLASTY

### BS6

Curved scalpel particularly effective for substantial osseous reshaping.

### CE1

Diamond-coated spherical tip (Ø 1.75mm) designed for osteoplasty in oral and palatal zones.

### CE2

▶ Diamond-coated spherical tip (Ø 1.20mm) designed for osteoplasty in interproximal zones.

## OSTEOECTOMY - OSTEOPLASTY

### CE

For a fast restoration of the biologic width (laser mark placed at 3mm).

Used perpendicularly or parallel to the bone, this tip is designed for ostectomies of the tooth-supporting bone in interproximal and oral (vestibular) and palatal periradicular zones.



## OSTEOTOMY

## BS1S (Slim)

9mm saw intended for the in-depth cutting of very dense cortical bones.

## OSTEOPLASTY

### BS4

Circular scalpel for osteoplasty and harvesting of bone particles or chips.

## SYNDESMOTOMY

### LC:

Tip, particularly slim, allows access to the tight spaces between the root and the alveolar bone.

# LATERAL SINUS LIFT OSTEOTOMY

### SL1

Diamond-coated tip for vestibular bone window cut and for attenuation of sharp angles.

## OSTEOPLASTY

### SL2

Diamond-coated ball tip for smoothing the vestibular bone window and precise osteoplasty.

## MEMBRANE DETACHMENT

### SL3

Plateau tip served for sinus membrane elevation on the window's edges.

























## **SATELEC**

A company of ACTEON® Group

17 avenue Gustave Eiffel, ZI du Phare, 33700 Mérignac, France

Tel. +33 (0) 556 340 607 Fax. +33 (0) 556 349 292 info@acteongroup.com

Follow-us