

EQUIPMENT DELIVRED WITH

- 1 CUBE LED handpiece
- 1 Essential kit (BS1S, BS4, SL1, SL2, SL3, LC2)
- 1 dynamometric wrench
- 1 multifunction footswitch
- 1 irrigation bracket
- 1 handpiece holder
- 2 autoclavable irrigation lines
- 5 autoclave irrigation clips
- 15 sterile perforators

UNIT DIMENSIONS

- Length 251 x Height 160 x Depth 271mm
- Weight: 3.5kg

FOOTSWITCH DIMENSIONS

- Length 173 x Height 140 x Depth 176mm
- Weight: 1kg

www.acteongroup.com

1. Is piezoelectric surgery the new gold-standard in oral surgery and implantology. A. Troedhan, Z. Tarek Mahmoud. Smile Dental Journal, Volume 11, Issue 4 - 2016
 2. The most sold device according to "Global and Chinese Dental Surgical Ultrasonic Generator Industry", 2010-2020 Market Research Report" published by Prof Research, 2015
 3. 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
 4. 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
 5. Performance of ultrasonic devices for bone surgery and associated intraosseous temperature development. S. Harder, S. Wolfart, C. Mehl, M. Kern. The International Journal of Oral & Maxillofacial Implants, volume 24, number 3, 2009
 6. The transcresal hydrodynamic ultrasonic cavitation sinuslift: results of a 2-year prospective multicentre study on 404 patients, 446 sinuslift sites and 637 inserted implants. A. Troedhan, A. Kurrek, M. Wainwright, I. Schlichting, B. Fischak-Treitl, M. Ladentrog. Open Journal of Stomatology, 3, 2013
 7. Tissue response during piezocision-assisted tooth movement: a histological study in rats. S. Dibart, C. Yee, J. Surmenian, J-D. Sebaoun, S. Baloul, E. Goguet-Surmenian, A. Kantarci. European Journal of Orthodontics, 36(4):457-64, 2014
 8. Acceleration of orthodontic tooth movement following selective alveolar decortication: biological rationale and outcome of an innovative tissue engineering technique. J-D Sebaoun, J. Surmenian, D-J. Ferguson, S. Dibart. International Orthodontics, 6, 235-249, 2008
 9. EAO congress, ACTEON® Symposium. Orthodontic bone stretching for ankylosed teeth or implant relocation. Dr. Bousquet, Dr. Renaud, Dr. Artz, 2016
 10. EAO congress, ACTEON® Symposium. The Piezotome enabled flapless vertical alveolar crest-split and horizontal distraction. v. Prof. Dr. Dr. Troedhan, 2016
 11. Sinus lift versus short implants: results of a prospective radiologic study and critical review of minimally invasive transcresal sinus lift procedures. I. Schlichting, D. Lacina, B. Fischak-Treitl. Open Journal of Stomatology, 2017, 7, 1-24
- X-Mind® Trium, class IIb medical device (DNV - CE 0434). Manufacturer: DE GÖTZEN ACTEON Group (Italy). Piezotome®, class IIa medical device (LNE GMED CE 0459). Manufacturer: SATELEC® (France). Qualios TCP and Qualios BCP, class III medical device (SGS - CE 0120). Manufacturer: Medbone Medical Devices Ita (Portugal), Distributor: Produits Dentaires Pierre Roland SAS (France). For professional dental use only.

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ACTEON

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PIEZOTOME

CUBE

**Dynamic power responsiveness
for superior osseous surgery**



ACTEON

PIEZOTOME

CUBE

v.Prof. Dr. Dr. A. Troedhan (Austria)

**The new gold standard
in dentistry¹**

EXPAND YOUR EXPERTISE

**PRE
operative**

CHOOSE THE REFERENCE²

Surgeons and patients come together to universally recognize clinical benefits of ultrasonic bone surgery. Piezotome® becomes the most globally trusted brand to perform delicate bone surgeries.

**INTRA
operative**

GIVE VALUE TO YOUR TREATMENTS

Piezotome® Cube unmatched performance combined with the practitioner's clinical expertise paves the way for accurate, faster and atraumatic surgical procedures.

**POST
operative**

GIVE THE BEST TO YOUR PATIENTS

Improving patient care is our priority. Piezotome® surgery outclass traditional instruments with surpassing healing³, significantly less swelling, pain and complication in the clinical follow-up.

When compromise is not an option, Piezotome® Cube is the easy way to give more to your practice and patients.

CLINICAL BENEFITS AT EACH STAGE OF YOUR SURGERY

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)

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

« *The Piezotome® produced the smallest increase in intraosseous temperature.* »

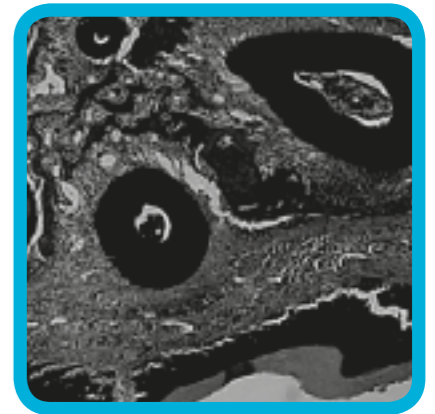
● ● ● **Prof. Dr. Marcel Wainwright (Sweden)** *Piezotome® has made my surgeries more predictable, easier, faster and significantly less traumatic which also helped increase the number of patients I have. Both surgeons and patients do benefit equally.* ● ● ●

POST-OPERATIVE



SUPERIOR OUTCOMES

- Reduced pain
- Less analgesics
- Limited edema



GREAT HEALING

- Predictable
- Fast recovery
- Bone densification

« *86% of the patients were observed with no postsurgical swelling and 87% no postsurgical pain.* »

« *The healing at the clinical level is much more predictable and much less painful. The amount of demineralization created [...] minimizing trauma, discomfort, and enhancing patient's acceptance.* »

GIVE POWER TO YOUR KNOW-HOW

NEUTRON TECHNOLOGY

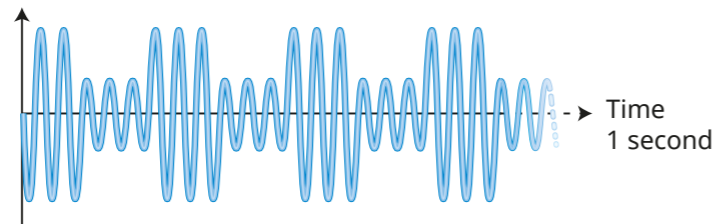
ACTEON® Piezotome® ultrasonic power generators are piloted by the patented **Newtron® technology**. The advanced electronics, the handpiece and the tips are perfectly tuned introducing maximal performance and unique clinical benefits, to tackle each surgery serenely.

MODULATION

Alternation between high and low intensity frequencies

- ▶ Soft tissue preservation with better tissue recovering and cells regeneration

Amplitude Piezotome modulation mode



FREQUENCY

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

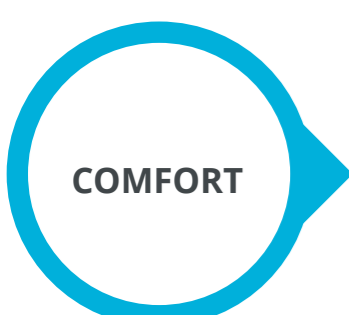
- ▶ Maximal performance for each procedure



POWER

Automatic power regulation depending on the resistance encountered

- ▶ Continuous vibration even in dense bone



CUBE LED HANDPIECE

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

- ▶ Great tissue distinction and posterior areas visibility



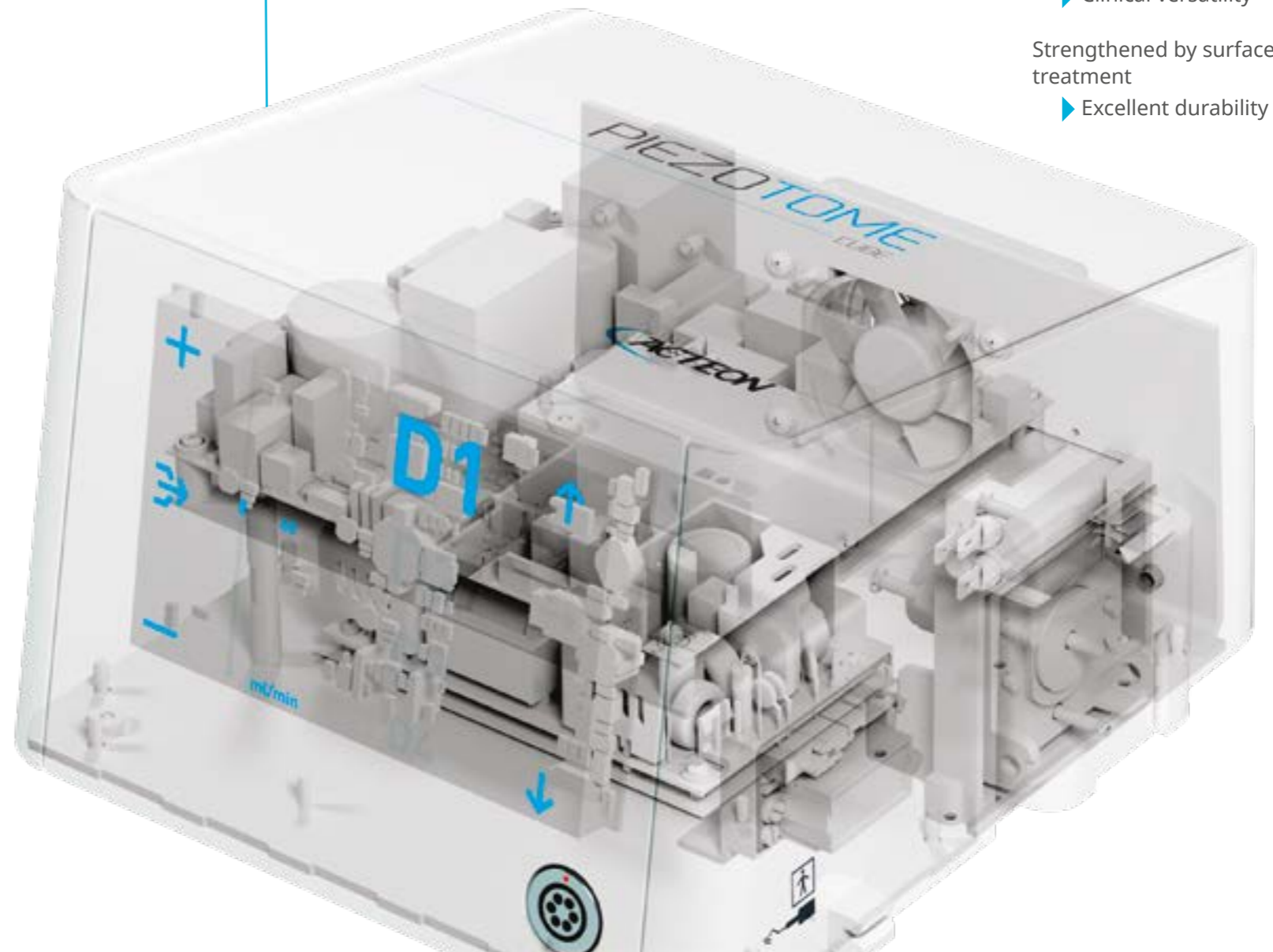
TIPS

Many exclusive designs

- ▶ Clinical versatility

Strengthened by surface treatment

- ▶ Excellent durability



ADAPTED TO YOUR NEEDS

NATURALLY INTUITIVE

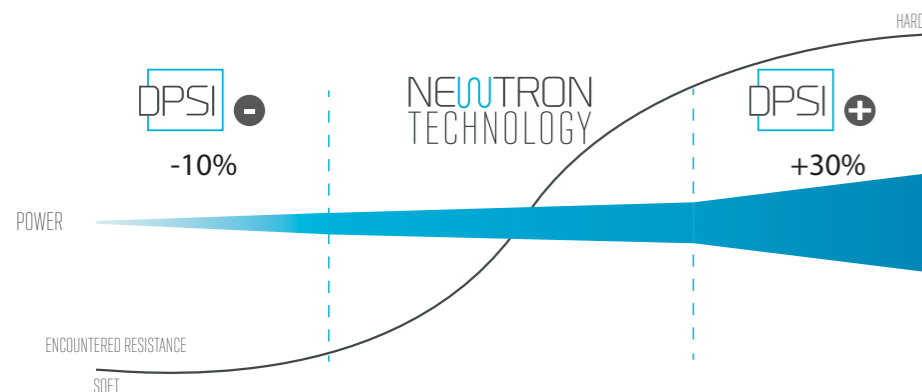
DPSI Dynamic Power System Inside
POWER INTUITIVELY ADAPTED
FOR MAXIMUM EFFICIENCY & SAFETY

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



TOTAL ADAPTABILITY

Autoclavable handpiece holder with 2 positions protecting from accidental fall:

- "Clip" table
- "On" table



DARING BY STYLE

- Touch and operator oriented screen for constant control of major settings
- Compact unit
- Perfect asepsis

ABSOLUTE CONTROL

Weighted multifunctional footswitch



ACTEON® MAKES THE DIFFERENCE



MAKE IT EASY

- Pump with precise adjustment (ml/min) and regular flow controlled reaches the tip's end
- Intuitive insertion of the irrigation line in the pump
- External irrigation line extending the handpiece life
- Autoclavable irrigation lines (single use available upon request)



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.



FAST ASSEMBLY SYSTEM

- Saves precious time
- Robust stainless steel dynamometric wrench



PERFECT ASEPSIS

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



ESSENTIAL KIT

The 6 fundamental ACTEON® tips
BS1S, BS4, SL1, SL2, SL3, LC2
Ref. F87528

GLOBAL SOLUTION FOR IMPLANTOLOGY



QUALIOS™
Ultra-porous and compression resistant synthetic biomaterials



PIEZOTOME CUBE

For atraumatic ultrasonic bone surgeries

X MIND trium

3D to measure the volume and assess the bone density



BROADEN YOUR SCOPE



BONE SURGERY
Osteotomy/Osteoplasty
 Clean and thin cut for maximal bone volume
BS1S, BS2L, BS2R, BS4, BS5, BS6 tips
 Ref. F87509



SINUS LIFT
Lateral Sinus Lift
 Unbeatable comfort:
 selective and hemostatic cut
SL1, SL2, SL3, SL4, SL5 tips
 Ref. F87519



CROWN EXTENSION
Crown Lengthening
 Incomparable precision and accessibility
BS6, CE1, CE2, CE3 tips
 Ref. F87554



PIEZOCISION™
Accelerated Orthodontic Surgery
 Minimal incisions, minimally invasive
PZ1, PZ2L, PZ2R, PZ3 tips
 Ref. F87576



CREST SPLITTING
 Rapid and minimally invasive technique
 for controlled expansion
CS1, CS2, CS3, CS4, CS5, CS6 tips
 Ref. F87567



INTRALIFT™
Crestal Sinus Lift
 Minimally invasive surgery for smooth sinus
 floor fracture
TKW1, TKW2, TKW3, TKW4, TKW5 tips
 Ref. F87536



EXTRACTION
Syndesmotomy
 For maximum bone preservation
LC1, LC1-90°, LC2, LC2L, LC2R, Ninja® tips
 Ref. F87546

Severe malocclusions can be orthodontically treated in six months.⁸

Orthodontic Bone Stretching (OBS) technique for ankylosed teeth or implant relocation.⁹

Flapless crest splitting and widening techniques can be applied to alveolar ridges with widths of only 1mm due to the bone preserving benefits provided.¹⁰

Minimum of time-effort, least risk of failure and lowest possible level of patient morbidity.¹¹

Decrease in pain and swelling of 50% was detected with Piezotome surgery.⁴



Watch all our clinical protocols on ACTEON EQUIPMENT YOUTUBE channel

GIVE THE BEST TO YOUR PATIENTS

Every patient deserves a star treatment. **Patients rely on you in order to smile with confidence and improve their quality of life.** Less pain, less swelling, are the requirements we all asking as a patient. Keeping this priority in mind, ACTEON®'s engineers create **more inventive** units ensuring more power and security for **less invasive** treatments.

● ● ● **Jane (U.K.)** *If I hadn't had the surgery I would be a recluse. I was so grateful to have it done.* ● ● ●



YouTube

Around Piezotome® Cube

<https://www.youtube.com/user/acteonsatelec>

● ● ● **Dr. Amit Patel (U.K.)**
I am delighted that my surgery protocols reduce patient trauma to a minimum. ● ● ●



● ● ● **Clément (Sweden)**
Getting my smile back helped me to get my life back. ● ● ●

● ● ● **Prof.Dr. Marcel Wainwright (Sweden)**
Piezotome-surgery is expanding my surgery portfolio. ● ● ●



● ● ● **v.Prof.Dr.Dr. Angelo Troedhan (Austria)**
Ethically, we should use the technology which is most beneficial to our patients. ● ● ●

ACTEON SERVICE
& YOU

- 2 years warranty on unit and handpiece
- Numerous trainings are available. Check our website and contact ACTEON® worldwide.