THE FUTURE OF PROPHYLAXIS
MULTIPIEZO & MULTIPIEZO PRO
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The advanced touch panel of the new Multipiezo & Multipiezo Pro allows for quick and intuitive control of all functions. Due to its smooth touch surface, it can be cleaned and disinfected easily.

Thanks to the innovative SOFT MODE, the Multipiezo & Multipiezo Pro significantly improves standards in insert control and patient comfort.

These Multipiezo devices are designed to treat the widest range of applications in the market due to their extremely wide ultrasound power range, innovative electronics, and unique ergonomics. These comprehensive devices have the power and versatility to solve a myriad of daily challenges: normal to severe calculus, endodontic inflammation, periodontal inflammation, crown restorations and more.
Unrivaled power and perfect control: Multipiezo & Multipiezo Pro offer you the widest ultrasound power range on the market combined with the best insert movement control.

The proprietary Automated Protection Control (APC) and feedback system combine to provide the ultimate in performance and safety, while the newly designed LED handpiece maximizes visibility for superior clinical results. Multipiezo and Multipiezo Pro allow for an extensive range of treatment solutions, from gentle subgingival debridement to powerful restorative crown preparations.
IMPRESSIONS FUNCTIONALITY

AS FLEXIBLE AS IT GETS: THE IRRIGATION SYSTEM OF THE NEW MULTIPIEZO & MULTIPIEZO PRO

IRRIGATION SYSTEM
→ upright bottles: no dripping or leaking
→ 500 ml bottle
→ active bottle illuminated
→ safely accommodates even aggressive medicated solutions
→ lines are cleaned easily with the flush function
→ optional connection to fixed water line

OPTIONAL TAP WATER CONNECTION
→ secure and flexible
→ use in place of interchangeable bottles for an endless water supply
→ easy installation
→ no further installation necessary

EASY CLEANING
→ exclusive glass touch screen
→ easy to clean
→ irrigation and power rate selected by the touch of a finger
When it comes to subgingival pocket cleaning, it is essential to provide the best clinical action while minimizing patient discomfort. The new SOFT MODE of the Multipiezo & Multipiezo Pro makes anesthesia optional by changing the ultrasonic modulation for a more comfortable, yet powerful, insert movement. Now sensitive patients can experience effective removal of all subgingival calculus while maintaining maximum clinical comfort.

PERIODONTICS

MULTIPIEZO DEVICES IMPROVE PERIO TREATMENTS

- **SOFT MODE FOR GENTLE ULTRASOUND**
  Mectron’s innovative software allows the user to adjust the ultrasonic modulation to its unique SOFT MODE, which creates a gentle but still powerful insert movement. This ensures that sensitive patients are treated with maximum comfort, while performance is maintained to achieve the desired clinical results.

- **RINSING WITH MEDICATED SOLUTIONS**
  The Multipiezo device’s flexible irrigation system allows using water as well as medicated solutions (e.g., H$_2$O$_2$, chlorhexidine). The system even works with very aggressive solutions such as sodiumhypochlorite for endodontic treatments. The irrigation lines are cleaned by simply activating the clean function.
Mectron's tipholder ICS and the IC1 tip for implant cleaning allow optimal access and gentle plaque removal even in the posterior region. IC1 is made of 100% PEEK plastic for optimal performance and durability. Both ICS and IC1 are sterilizable and reusable.

The development of all mectron inserts starts with finite elements modeling, which allows to define a mechanical vibration pattern of the insert. This ensures that performance and stress resistance are optimized.

By courtesy of Dr. Anna Maria Genovesi
HOW MULTIPIEZO ENHANCES ENDO TREATMENTS

Three endodontic indications in one unit. Multipiezo is all you need to treat common endodontic challenges seen in daily practice and reduces the need for multiple devices. With an extensive range of endodontic inserts, Multipiezo is the solution for most endodontic treatment needs, while its unique electronics with built-in protection make operation simple and safe.

Flexible Treatment Options

- Endodontics

With its handpiece and small inserts, Multipiezo is the ideal tool for excellent visibility of the treatment area.

Insert Protection Included

The advanced electronics of Multipiezo limit the power level peak to a non-critical level. Traditional ultrasound units do not adjust to a non-critical level, which results in maximum stress on the inserts.

Perfect Visibility of the Treatment Area

With its handpiece and small inserts, Multipiezo is the ideal tool for excellent visibility of the treatment area.
Certain treatment procedures require the use of different rinsing liquids – e.g. in root channel cleaning the use of sodium-hypochlorite as a disinfectant and the use of EDTA in order to remove the smear layer. To avoid chemical reaction and residual of liquids in the tubing, Multipiezo is equipped with a CLEAN FUNCTION which flushes the tubing and handpiece of all residuals automatically.

Multipiezo's exclusive glass display and touch screen are easy to clean and may be covered with plastic for a faster clean-up process.
Rotary instruments can be difficult to control and are often imprecise. Mectron ultrasonic inserts are easily controlled and will not damage or disturb soft tissues, giving you perfect subgingival margins and optimal esthetic results.

Thanks to the thin, curved tips, the risk of hitting the adjacent tooth is reduced to a minimum. The result: maximum visibility and accessibility during your surgery – and minimum pain for your patients.

**RESTORATIVE DENTISTRY**

**HOW MULTIPIEZO IMPROVES CROWN PREPARATION**

Optimal shaping of the preparation is facilitated by these inserts due to their ability to seamlessly work around the crown. Soft tissues are undisturbed, which results in little to no bleeding, allowing for a perfect immediate impression. Due to its gentle nature, up to 80% of patients do not typically require anesthesia during ultrasound cavity preparation.
INDICATIONS OF RESTORATIVE FUNCTION
- Preparation of pits and fissures with incipient lesions and in more developed lesions
- Removal of excess restoration materials
- Removal of old restorations
- Removal of carious tissues
- Finishing of prosthetic preparations
- Veneers
- Margin repositioning to subgingival level

CAVITY MARGIN
- CM1 & CM3 – preparation of crown core and crown margin (coarser diamond coating)
- CM2 & CM4 – fine finishing of the crown core and the crown margin (finer diamond coating)

RESTORATIVE INSERTS
- for amalgam condensation in class I, II, and V preparations (D1-D2)
- for crowns, bridges, and metal elements removal (D4)
- for lateral condensation of gutta-percha (D3)

MECTRON CAVITY MARGIN INSERTS

MECTRON RESTORATIVE INSERTS