

THE POWERTOME™ *the extraction advantage™ for surgeons and patients.*

WESTPORT MEDICAL  
POWERTOME 100S

*save bone*

*save time*

#### IMPROVE RECONSTRUCTION AND RECOVERY TIME

For two years Drs. Anthony B. Bouneff and Philip P. Green have been testing a new technology in tooth extraction — the Powertome™ Periotome. The Powertome™ is an automated periotome that allows for extremely precise tooth extraction with minimal or no alveolar bone loss. It improves the tooth removal process for both surgeons and their patients by providing the surgeon with greater control during a tooth extraction and increased comfort and easier recovery for the patient.

The Powertome™ eliminates the uncertainty of how much force or distance a periotome tip will move into the periodontal ligament space by precisely regulating it with an innovative, microprocessor controlled, solenoid actuator. The Powertome™ Periotome tip can then allow for socket expansion and easier removal of the tooth, which often eliminates the need for bone removal.

The device is designed to be very similar to footswitch activated, dental hand pieces, so the operation, actuation, and sterilization are therefore intuitive. Our technology gives extremely sensitive tactile feedback to the practitioner.

- . Reduces bone loss in extractions.
- . Increases efficiency in extractions.
- . Allows for an immediate implant after an extraction.
- . A quick release chuck allows rapid tip replacement.
- . Handpiece and tips are fully autoclaveable.
- . Innovative design reduces hand fatigue.
- . UL-60601 tested.

#### SAVE BONE

The loss of bone during tooth extraction is a concern for patients who undergo restorative procedures. Healthy, intact bone is necessary for proper placement of implants and other prosthetic appliances.

In the past, the existing method to perform extractions is to use dental elevators and hand periotomes to initially expand the socket and mobilize the tooth. The tooth can then be removed with forceps.

The difficulty with these instruments is that the amount of force exerted on the periodontal ligament and bone can be variable. Hand periotomes sometimes require using mallets with dental assistants tapping on the handle to expand the periodontal ligament space to separate the tooth from bone, and this can cause unnecessary bone loss, anxiety, and increased pain for the patient.

#### SAVE TIME

The Powertome™ Periotome allows for precise automated control through a microprocessor-run actuator, which eliminates uncertainty in the dental chair. The amount of force the Powertome™ tip exerts and the distance it travels into the ligament space is fully regulated.

The result offers numerous advantages for the patient. The surgery can be flapless, and patients will experience reduced pain and swelling. Because bone loss is minimized, healing occurs faster, and immediate placement of implants is possible. The automated system also reduces concern for fracture of lingual bone or the buccal plate. Ultimately, this translates to shorter chair time and faster recovery.



*hand held device*



*minimum bone loss*

503.798.6376 WESTPORTMEDICAL.COM