

STATE-OF-THE-ART CUTTING EDGE DESIGN



Benefits of using the Piezo Pilot™ for Ultrasonic Scaling

Piezo technology – what is it?

Piezoelectric technology operates in a linear push/pull motion, working with the tooth surface (just like hand instruments) and results in little or no patient sensitivity. Much less water is needed because piezo uses ceramic discs for energy and does not generate the kind of heat produced by electromagnetic units, which is a welcome feature for both patients and practitioners alike!

The magnetostrictive (Cavitron™*) has a vibrating, elliptical motion similar to a figure 8, which produces considerable heat. The tip needs a constant flow of water for cooling and to prevent sensitivity or damage to the tooth structure.

Vista's Piezo Pilot™ – so easy to use

The Piezo Pilot™ offers a variety of power settings which enable clinicians to utilize a wide range of very thin tips with uses ranging from routine preventative care to severe periodontal cases.

Unlike Cavitron™* tips which move quickly in a scribbling figure 8 motion, slow, methodical and controlled strokes are more efficient with the Pilot™ which requires time to transfer the energy needed to shatter the calculus and remove adherent biofilms. Using the terminal end of the tip like a perio probe – parallel to the long axis of the tooth – strokes can be horizontal, vertical or oblique overlapping to cover the entire surface. Maneuvering around the line angle, the tip is rotated in a similar manner to rotating a curette.

The piezo tip to power relationship

With piezo technology, the most active part of the tip is the last 1-2mm which is in constant motion. The thinner the tip, the more movement the tip will generate.

- For patient comfort, use the lowest possible power to complete the job.
- For lighter calculus or biofilm removal, use a thinner tip at lower power.
- For heavy calculus deposits, use a thicker tip at a higher power.
- For heavy or burnished calculus, apply the tip in a tapping motion to fracture the large deposit.

The Pilot™ also offers easy portability, complimenting its light weight and compact design. This is a great feature for practices where space is an issue or the unit will be shared between operators.

“As a clinician I have come to realize that the Piezo technology has numerous advantages over the electromagnetic strips but probably the biggest advantage is that the short, lightweight handpiece is superior ergonomically, making it easy to adapt the tip properly along the tooth surface. There is little or no vibration so less water is used – which means better vision, less aerosols and a better patient experience!”

Nancy Bettis, RDH, Dallas TX, 2011

Frequently asked **Questions** about Vista's Ultrasonic Piezo Pilot™

How do I know that the Pilot™ can remove calculus if I can't feel it vibrating?

The vibration and noise of the Cavitron's™ elliptical movement is not needed for calculus removal (actually, it can even burnish the calculus). Using a Pilot™, when a tip is placed on the lateral surface of a tooth, the linear motion of piezo technology more easily and precisely removes the calculus.

How does the lack of fiber-optic light on the handpiece affect the Pilot's™ effectiveness?

While it appears to add benefit, the light does not actually shine into the working area of pockets or root canals. In addition, repair to broken lights can be frequent and costly. The Pilot™ more than makes up for the fiber-optics through enhanced tactile sensitivity offered by its ergonomically designed handpiece, allowing for better deposit removal.



Piezo units have a much wider range of tip choices, including our new series of Gracey tips. Since hygienists already utilize Gracey curettes and technique, these are amazingly easy to use (see page 44).

Can the handpiece be cleaned?

Yes, the actual Pilot™ handpiece can be easily cleaned with a simple disinfectant wipe. The handpiece sleeve is removable and can be autoclaved.

See a video demonstration and an independent review of the Pilot™ at <http://cpsmagazine.com/products-unit/piezo-pilot>



Piezo Pilot™ Scaler System
\$1,499.00
 See below for system configurations

Available in a choice of six coordinated colors

	Vista Pilot™	Satelec* P5 Newtron	NSK* Varios 350	EMS* MiniPiezon	Hu-Friedy* Symmetry IQ 3000
Tips Included (no.)	4	3	3	4	3
Choice of Tip Pkg.	YES	NO	NO	NO	NO
Handpiece Sleeves	3	2	1	2	1
Lifetime Loaner	YES	NO	NO	NO	NO
Package Price	\$1,499	\$1,759 ¹	\$915 ¹	\$1,799 ¹	\$2,019 ¹

Piezo Pilot™ System Includes:

- 1 - Piezo Pilot™ ultrasonic scaler
- 1 - Detachable handpiece (Acteon* or EMS* thread styles)
- 3 - Autoclavable, color-matched handpiece sleeves
- 1 - Omni-directional foot pedal
- 1 - Quick-disconnect water line
- 4 - Tips (Choice of either Endo or Hygiene tip package)
- 4 - Torque wrenches

Pilot™ Configurations	Handpiece Thread	Pink	Grey	Purple	Blue	Yellow	Blue/Green
		Acteon*	402721	402701	402702	402703	402704
With - Hygiene Tip Kit	EMS*	402723	402711	402712	402713	402714	402715
	Acteon*	402722	402706	402707	402708	402709	402710
With - Endo Tip Kit	EMS*	402724	402716	402717	402718	402719	402720



Hygiene Tip Kit
 4 - Ultrasonic Hygiene tips (SU1, SU6, HC and PTU)

Includes choice of tip packages:



Endodontic Tip Kit
 4 - Ultrasonic Endo tips (GE20, GE20D, GEBD-2 and GEFD-2)

*Not a trademark of Vista Dental Products. ¹Competitive prices based on manufacturer's offerings as of January 2012. Packages and prices may vary