



1 PREV EVALS 12 YEARS EXP

It made crown preps and large restorations quicker and quieter; patients appreciate that.

Ryan Saunders, DDS
Pleasant View, UT



20 PREV EVALS 21 YEARS EXP

It feels great in the hand and is easy to maneuver to all areas of the mouth.

Sean Grady, DDS
Johns Creek, GA



23 PREV EVALS 25 YEARS EXP

It has excellent torque, cutting with ease and high speed consistently.

Mariano Polack, DDS
Gainesville, VA

DENTALEZ

Aeras 500 Elite Handpiece

A high-performance air-driven handpiece with an ergonomic design and innovative RFID technology

When Dr. Stephen Gordon agreed to try DENTALEZ's Aeras 500 Elite Air-Driven Handpiece for this DPS evaluation, he wasn't sure what to expect, especially since he often uses electric handpieces in his practice. Not only was he immediately impressed with the small size and incredible power of the Aeras handpiece, but he said it was well-designed, with many bells and whistles that make restorative procedures easier for him and more comfortable for his patients.

"The Aeras 500 Elite handpiece is both beautiful and powerful," Dr. Gordon stated, pointing out several of his favorite features, such as the well-designed swivel connector, bright light, and water spray, which he said is sufficient and aimed well. "This handpiece made difficult-to-access teeth easier to prepare due to its small size, and it's much less costly than electric handpiece turbine repair and replacement." Dr. Gordon concluded, "For an air-driven handpiece, the Aeras 500 Elite packs quite a punch, close to the much more costly electric handpiece!"

RFID Technology

Part of DENTALEZ's Aeras Intelligent Platform, which includes an air compressor and vacuum, the Aeras 500 Elite Handpiece is equipped with embedded radio-frequency identification (RFID) technology that, when used with a compatible RFID reader system, connects important handpiece activities with critical processes within the practice. Although the evaluators were unable to use the patent-pending RFID feature in a short-term evaluation, the unique cloud-based technology automatically tracks critical information like handpiece usage, sterilization, warranty, and maintenance data. For example, it can

keep track of when the handpiece was autoclaved, when it had a turbine replaced, and when it's due for maintenance. This automated recordkeeping is convenient for practices, especially large practices with multiple operators and practitioners.

Power & Torque

The Aeras 500 Elite Handpiece is available in 4 options—LubeFree or lubricated with fiber optics that connect to 6-pin ISO fiber optic tubing, and LubeFree or lubricated without fiber optics that connect to standard 4-hole tubing. With LubeFree technology, practitioners can replace the turbine right in the office, so they don't need to send it away for maintenance. Equipped with 39 W of cutting power, which DENTALEZ says is 30% more powerful than any other manufacturer, the handpiece cuts through the latest high-strength ceramic materials without generating excessive heat like an electric system. Cooling is provided by a multi-port water spray, which a couple of evaluators said did not spray consistently; one dentist suggested adding a water spray quantity adjustment on the swivel adapter.

"I was pleasantly surprised at the high level of torque, even at the same air pressure set for my other handpieces," shared Dr. Sean Grady, who said the handpiece runs smoothly. Mariano Polack, DDS, agreed and said, "It has excellent torque, cutting with ease and high speed consistently, even on full-arch preparations." While Dr. Eyad Haidar would like better torque, Dr. Ryan Saunders said the powerful torque

3.9



takeaways

- RFID technology connects hand-piece activities with practice processes
- Ergonomic design features compact head and balanced, lightweight design
- 39 W of power cuts through high-strength ceramic materials
- Cool-spectrum LED illumination allows for enhanced visibility
- Multi-port water spray provides cooling



Stephen Gordon, DDS
Chicago, IL

"The Aeras 500 Elite packs quite a punch, close to the much more costly electric handpiece!"

and quiet operation were his favorite features. "This handpiece has greater torque than [my current air handpiece], and made crown preps and large restorations quicker and quieter. Patients appreciate that," he said. Dr. Kenneth Louie said he experienced smooth running at all speeds and commented, "During finishing of subgingival margins of composite, the handpiece ran smoothly without stalling."

Ergonomic Design

Aside from smart technology and massive cutting power, the Aeras 500 Elite debuts a new and modern shape that features a compact head and balanced, lightweight design with in-hand stability that helps to minimize effort and fatigue. In addition, the cool-spectrum LED illumination technology allows for enhanced visibility and easy navigation in the oral cavity, and the user-friendly push-button chuck system is designed for hands of all sizes.

"The Aeras 500 handpiece is weighted perfectly, feels great in the hand, and is easy to maneuver to all areas of the mouth," noted Dr. Grady, who said the compact head and great angle made reaching the tooth simple. "I loved the feel in my hand," said Dr. Saunders, noting that the head is a little bit larger than his current handpiece. Dr. Louie said the Aeras was well-balanced and lighter than his

current handpiece, but the larger head made visibility and access not as good as his other handpiece.

Other comments about ergonomics and design were: "The burs don't fit deep enough into the head of the handpiece," "It was easy to take off the coupler," "Removing it from the adapter was hard," and "I wish the handpiece was compatible with other Star couplers." Dr. Polack praised the handpiece for its "incredible illumination" and said the light is much brighter than any other handpiece he has used.

Overall Satisfaction

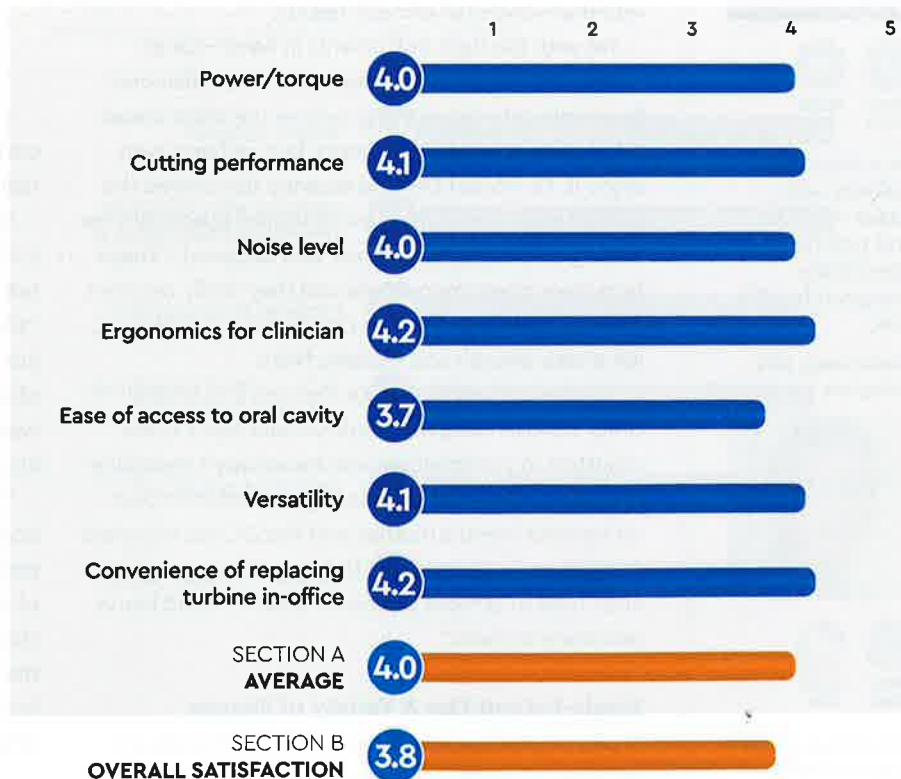
Dr. Gordon said he would recommend that other dentists try the Aeras 500 Elite, especially those who may not be able to invest in the higher cost of an electric handpiece. And Dr. Grady concluded, "I actually look forward to working in the operatory where I have the Aeras set up. It is fun to use!"

FOR FREE INFORMATION:

866.383.4636
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PRODUCT EVALUATION SNAPSHOT

CRITERIA BASED ON AVERAGE SCORE (OUT OF 5)



DENTALEZ
**AERAS 500 ELITE
HANDPIECE**

FINAL SCORE
AVERAGE OF SECTIONS A AND B

3.9

Dental PRODUCT SHOPPER
RECOMMENDED PRODUCT