



30  
YEARS  
EXP

Cutting off crowns was almost effortless.

Mouhannad Almajdalani, DDS  
Daly City, CA



16  
YEARS  
EXP

The bright fiber-optic LED and angle of the handpiece allow for greater visibility and access.

Adam Beno, DMD  
Fort Myers, FL



26  
YEARS  
EXP

The Z99L is compact, lightweight, and well balanced with a great grip.

R.J. Sondkar, DDS  
San Leandro, CA

NSK

# Ti-Max Z99L

5.0



*Enhanced with several next-generation design features, this electric handpiece improves cutting performance and visibility while providing comfort and versatility*

Knowing that patients don't particularly enjoy visits to the dentist, Dr. Adam Beno takes extra care to ensure each dental appointment is as comfortable and efficient as possible. To do this, he invests in products and materials that enhance the patient experience while improving clinical outcomes. Recently, he discovered NSK's newest electric handpiece, the Ti-Max Z99L, which helps him do just that.

Calling the Z99L "surprisingly very quiet and lightweight with a lot of torque and power," Dr. Beno said the handpiece's design "allows me to complete restorative appointments more efficiently and in a lot less time." He explained, "The bright fiber-optic LED and angle of the handpiece allow for greater visibility and access, while the high torque and power allow for very efficient removal of old restorative material and tooth structure."

These features, Dr. Beno said, "allow for quicker appointments, and my patients benefit by spending less time keeping their mouths open, having shorter appointment times, and experiencing improved clinical outcomes."

## Ergonomics, Access, and Visibility

Designed to improve access, visibility, and both user and patient comfort, the Z99L operates smoothly with a reduced noise level and features a compact 100° head angle, a bright LED light, and a secure and comfortable lightweight grip.

Noting the handpiece "reduces noise significantly" compared to other handpieces, Dr. Mouhannad Almajdalani said, "The lower vibration and sound and improved cutting efficiency made procedures easier for patients, and my hands and ears." Calling it an "efficient machine that feels better in my hand," Dr. Gary Alder said his patients appreciated the quieter operation, and Dr. Jeremy Schell noted, "The Z99L is

quiet without sacrificing any power."

Dr. Melissa Zettler liked that "the head was small enough to fit well in the posterior," and Dr. Bhavit Sheth praised its "small head and great angle to access hard-to-reach areas while maintaining visibility." Calling it "a very well-designed, all-around electric handpiece," Dr. R.J. Sondkar said, "The Z99L is compact, lightweight, and well balanced with a great grip."

## Cutting Efficiency and Power

The Ti-Max Z99L is enhanced with a next-generation chuck and gear design for smooth, high-torque cutting performance at a maximum speed of 200,000 rpm. A unique head, gear, and bearing design reduces the risk of heat generation.

"The handpiece was efficient at removing tooth structure and cutting through existing crowns of various materials," Dr. Schell declared. Reporting "excellent cutting efficiency," Dr. Rupesh Singla found the Z99L beneficial for performing crown preps on second molars, especially because he could avoid switching to an air-driven handpiece with a smaller head.

"Cutting off existing crowns was almost effortless," Dr. Almajdalani shared, and Dr. Michael Marrone said the Z99L "made procedures easier" and named cutting efficiency and vibration-free operation as his favorite features.

"The handpiece runs smoothly and has great power when removing crowns," said Dr. Zettler, who enjoyed that it didn't lose power or stall during



## takeaways

- Unique 2-way water flow allows for handpiece versatility
- Next-generation chuck and gear design for smooth, high-torque cutting
- Smooth operation, reduced noise level, and comfortable, lightweight grip
- Compact 100° head angle and bright LED light for easy access and visibility
- Maximum speed of 200,000 rpm



Jeremy Schell, DDS  
Hudsonville, MI

"I like its ability to change to a surgical handpiece by changing the water flow from mist to jet."

use, which improved efficiency. Dr. Sheth appreciated the "consistent torque and power" of the Z99L, while Dr. Sondkar suggested "a bit more torque without sacrificing the compact head design and light weight." For Dr. Alder, it "had plenty of torque, better irrigation, and better visualization" than other handpieces, and Dr. Scott Terry called it "good for crown prepping and general operative cutting."

### 2-Way Water Function

To provide clinicians with flexibility while enhancing patient safety, the Z99L features an innovative 2-way water function that allows the user to switch between jet and mist irrigation with a flip of a switch. A 4-port water spray irrigates from 2 angles to help with cooling.

Praising the Z99L's versatility "to be used in every kind of procedure from restorative to surgical," Dr. Beno said the 2-way water function "allows you to continue to a surgical procedure without having to change to a different handpiece." He continued, "By turning a switch, the water spray changes from a mist spray to a jet stream without any air, which could potentially cause subcutaneous emphysema."

Pointing out the handpiece's "great versatility," Dr. Schell enjoyed "the ability to change to a surgical handpiece by

changing the water flow from mist to jet." Dr. Sondkar noted the Z99L "worked very well with adequate torque in both restorative and fixed prosthodontic procedures."

### Overall Satisfaction

With 3 decades of dentistry behind him, Dr. Almajdalani has used a wide range of handpieces, but none of them compare to the Ti-Max Z99L, which he called "one of

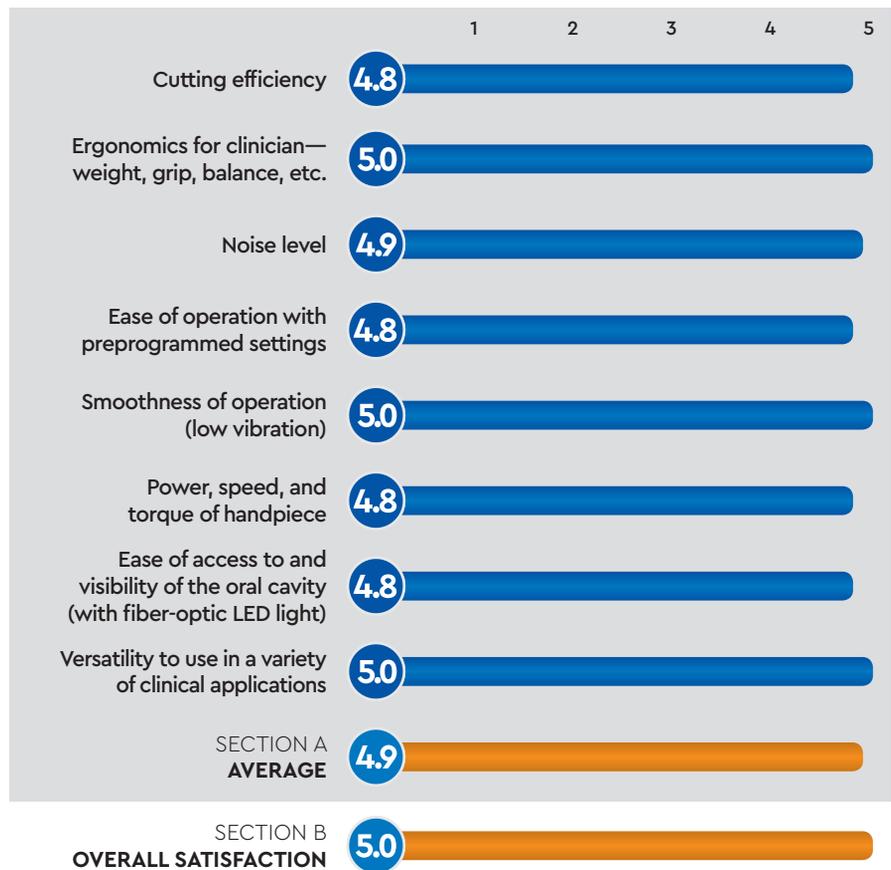
the best handpieces my hands have held." Dr. Sondkar praised NSK for an "excellent job designing and fabricating the Z99L that will win over dentists." Dr. Marrone concluded, "NSK is a great company to work with. They have excellent reps and products at a fair price."

### FOR MORE INFORMATION:

888.675.1675  
www.nskdental.com

## PRODUCT REVIEW SNAPSHOT

CRITERIA BASED ON AVERAGE SCORE (OUT OF 5)



NSK  
TI-MAX Z99L

FINAL SCORE  
AVERAGE OF  
SECTIONS A AND B

5.0

Dental PRODUCT SHOPPER  
BEST PRODUCT