

**DENTERPRISE**

# Shade Matching: No Longer a Guessing Game

*Rayplicker QuickShade calculates an accurate tooth shade with the press of a button*

**W**hen it comes to restoring teeth, there's always been a great need for a mechanism to accurately assess tooth shade that best matches the patient's adjacent teeth. Fortunately, dental practitioners no longer need to guess the shade. Rayplicker QuickShade from Denterprise is a digital tooth analyzer that uses spectrophotometry to scan, analyze, and flawlessly match the shade of any tooth in minutes.

James Braun, DDS, MS, who specializes in prosthodontics in Saginaw, MI, knows the importance of using an accurate device to decipher the shade of a tooth in order to replicate natural tooth coloration. "The other option is visualizing, which is challenging," he said. "You're working in the posterior of the mouth, which can be taxing. Lighting is compromised and it's difficult to get cheek retraction. This instrument fills that void and makes it a lot more predictable. The nice thing is that it's small enough that you can go to any part of the mouth in the posterior or anterior. It's a high-class instrument."

While Dr. Braun has used other shade-matching products in the past, he said they don't offer the accuracy and definition of the Rayplicker QuickShade, whose calibrating tips eliminate external factors in order to achieve the right shade match.

## Here's How It Works

The Rayplicker QuickShade follows a simple workflow. The sterilizable mouthpiece clicks into place, and the device is turned on for shade taking and inserted in the mouth against the tooth. Once the tooth is pictured in the middle of the screen, a button is pressed and, in less than a second, the spectral analysis is made.

A series of images can then be utilized for in-depth analysis of the shades and translucency within the various areas of a given tooth.

## 5 GREAT FEATURES OF THE RAYPLICKER QUICKSHADE

- Multi-shade guide chart includes VITA Classical and more
- Color analysis based on CIE Lab or LCH coordinates
- Measuring tool for easy localization of translucent areas
- Black and white setting allows conversion of color polarized picture to grayscale
- Simplified interface for fast reading of data



"The shade analysis equipment makes this often-challenging procedure very predictable and easy to use anywhere in the oral environment."

—James Braun, DDS, MS

Ultimately, an average of each area is used to determine the appropriate shade. Once you've viewed the data, the patient's information can be entered using a touchscreen keyboard and the case can be saved within the device before being transferred to your computer.

"You can make the shade assessment complex or simplified," Dr. Braun noted. "Take a digital image of the front of the tooth, divide it up into thirds, from the gum area to the incisal edge, and it gives you various shades ingrained in the tooth structure—the tooth changes in color intensity. It's really impressive."

In Dr. Braun's experience, the outcomes have been very precise with the Rayplicker QuickShade, which he noted covers many shade guides.

"The shade analysis equipment makes this often-challenging procedure very predictable and easy to use anywhere in the oral environment," he said. "The device is a nice adjunct for taking shades, even from posterior teeth, and especially when ambient light is less than ideal."

The is a relatively new product, and Dr. Braun feels Rayplicker QuickShade will gain a great deal of notoriety once more dentists find out about it or have a chance to use it.