

3M True Definition Scanner Success Tips

Prepare to Scan

- **Camera Mode:** This can be changed with the blue buttons (They look like faces) on the touch screen. If you are scanning from behind, make sure you are in “upside down mode”.
- Isolate field of scan (From saliva, tongue involvement etc) with an Optra-gate, dri-angles, dry tips or combination (You will need to practice to find what is most comfortable and effective for you)
- **TURN OFF OVER HEAD (OPERATORY) LIGHT**

Prep Tips

- Consider placing retraction cord before prep and design- the cord will be in the sulcus for several minutes displacing the tissue. The cord is removed and scan can begin immediately.
- Prior to scan; use a thin diamond bur to clearly define margins. This will help the margins “pop” on the scan.

Powder Technique

- Test powder outside of the mouth first to get consistent stream.
- Air dry teeth.
- Start applying power 2-3 teeth away from the prep area. (This will avoid clumps of powder on prep)
- Light consistent dusting of powder on areas to be scanned.
- Use high vac suction to catch powder exiting the mouth.
- Hit the area again with an air stream to evenly distribute powder and eliminate clumps.
- Use **Video Mode** to check the amount of powder on the teeth before recording a scan.
- Teeth should look chalky, not completely covered with white.

Scan and Data Capture

- When scanning the whole box is the field of capture. You do not need the “yellow dot” directly over the area to capture. Some of the best data comes from the “end zones” of the field of view.
- **Auto Save:** There is an auto save feature that is activated as soon as the wand is removed from the mouth and turned off. **Manually saving (Pressing the “check mark”) means the scan is complete. Too many complete scans will start to overlap data, create undefined and messy scans.**
- To bring the camera out of **Pause Mode**, find the last occlusal surface scanned and hold the wand parallel to the tooth.
- To capture the buccal and lingual: the camera needs to be perpendicular to the surface. (Full 3 O’clock or 9 O’clock rotations)
- After scanning the prep site, check the individual teeth in **Magnification Mode**. The lab needs to see clearly defined margins. A defined margin will look like a solid pencil line, if there are any breaks or discrepancies; you need to collect more data.
- Double check in **3D Mode** for the most accurate results.
- You will time out after 7 minutes. If you are running short of time and having difficulty capturing good data, use the rewind feature to go back to the last time the information was auto-saved.

Opposing Arch

- It’s most important to capture the cusps, main tooth structure and incisal edges. 80% of buccal area and 50-60% of the lingual surfaces are required to be captured for an accurate scan.

Capturing the Bite

- You should not need to re powder.
- Re-powdering can disrupt the data points the software has already captured.
- A quick run along the gingiva is sufficient. (Be sure to capture the base of the tooth and gumline)
- Tooth structure was already captured in maxillary and mandibular scans. The bite scan is capturing the data needed to connect the 2 arches together.
- For anterior crowns- you will need to capture at least the canines to provide a complete bite.

Time Saving Tips

- Scan the opposing arch while the patient is getting numb.
- Scan to midline, the whole arch is not necessary unless several preps in one quadrant.
- Enter all patient information the night before their scheduled appointment.

1900 51st Street NE
Cedar Rapids, Iowa 52402
Toll Free: 800-332-3341
319-393-1990
www.DPSdental.com

