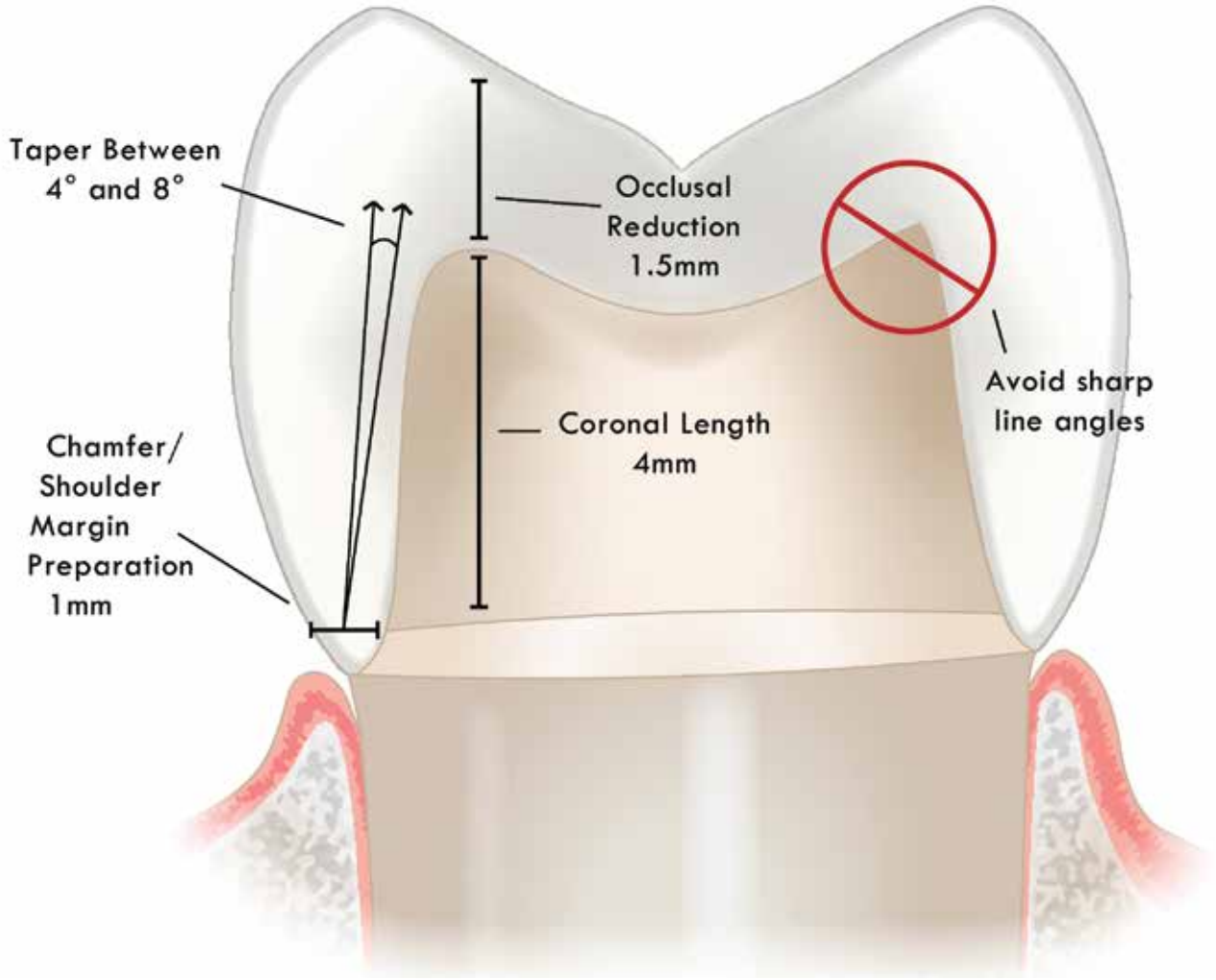
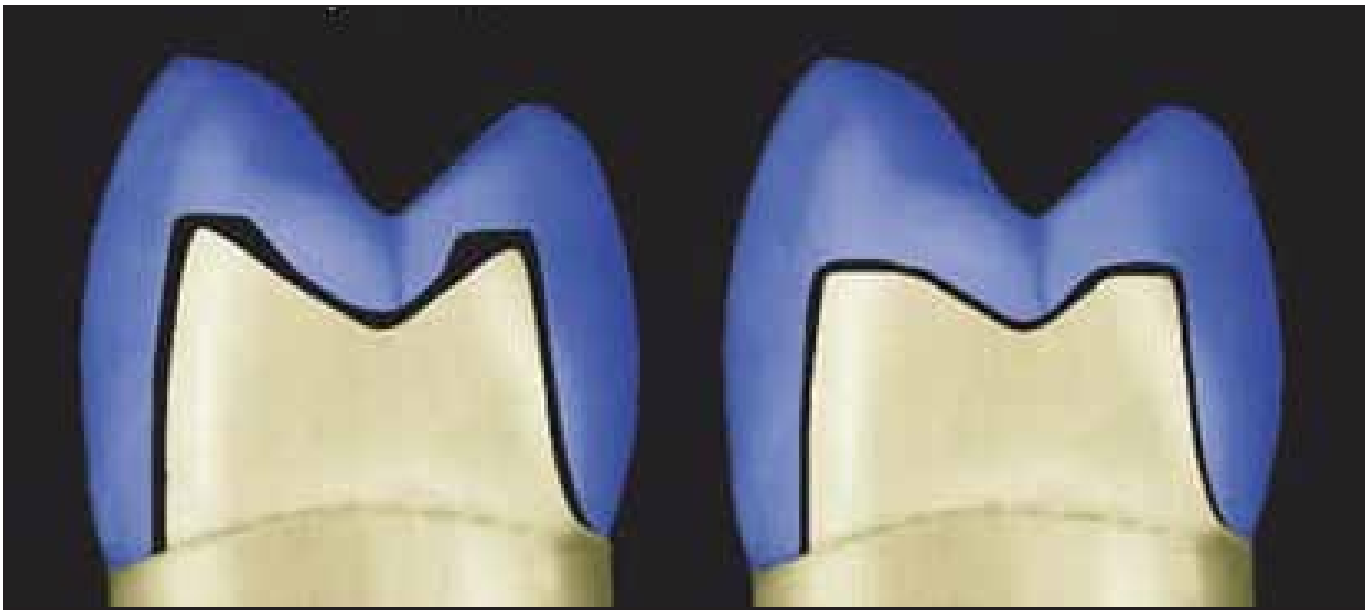
IDEAL PREP DESIGN



WHY IT'S IMPORTANT:

- Useful for any restorative crown and bridge option and is ideal for todays milled restorations.
- Allows the lab technician to fabricate crown to manufacturer's minimum thickness requirements.
- Provides a smooth transition at the margin.
- Gives additional space for material to mask out dark underlying tooth structures.
- Allows additional space for the technician to layer material providing more lifelike results.

AVOID SHARP LINE ANGLES



WHY IT'S IMPORTANT:

The milling machines must extend the milling path beyond the tooth structure to ensure clearance is achieved. This leads to excess space between the tooth structure and the crown material which can create a less intimate "sloppy" internal fit and reduced mechanical retention.

This also applies to the margin area. The mills are unable to make a clean transition from different margin prep styles; ex: chamfer to feather edge, double shelf margins, uneven (jagged) margin lines.

FOR BEST RESULTS:

1.) Ensure a slightly rounded transition from axial wall to occlusal plane is achieved.

2.) Refine margin lines to ensure smooth clear margins are achieved.

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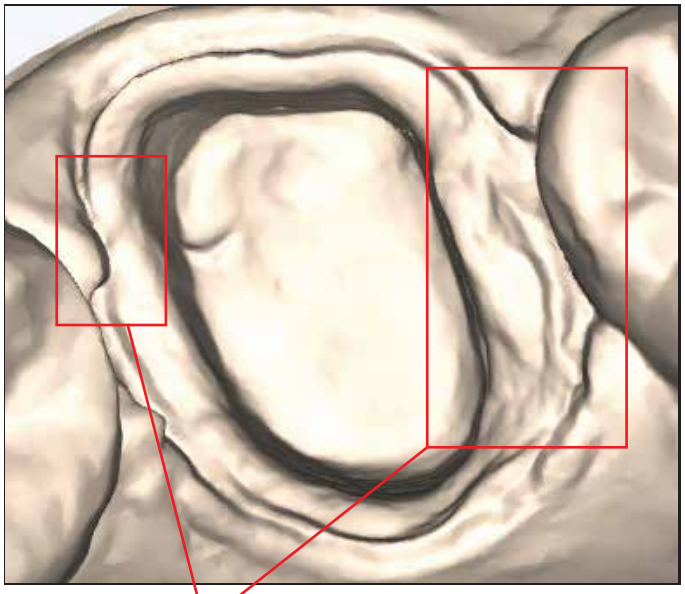
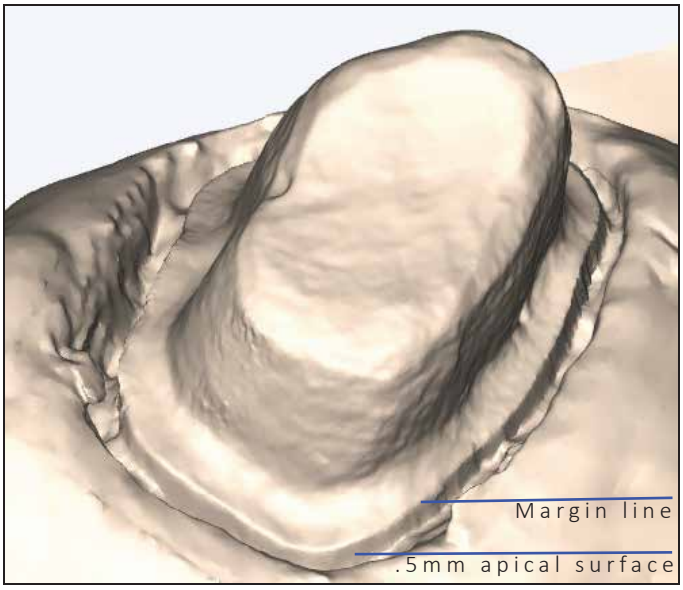
CLEAN, CLEAR MARGINS



UNCLEAR



CLEAN/CLEAR

WHY IT'S IMPORTANT:

- Provides the technician with a clear visual of the margin for accurate margin marking.
- Increases accuracy in the manufacturing process.
- Ensures properly sealed margins are achieved.
- Improves efficiency at seat appointment reducing chair time.
- Reduces costly re-makes due to margin issues.

FOR BEST RESULTS:

1.) Ensure the margin and surrounding area are free of any debris, blood, and saliva.

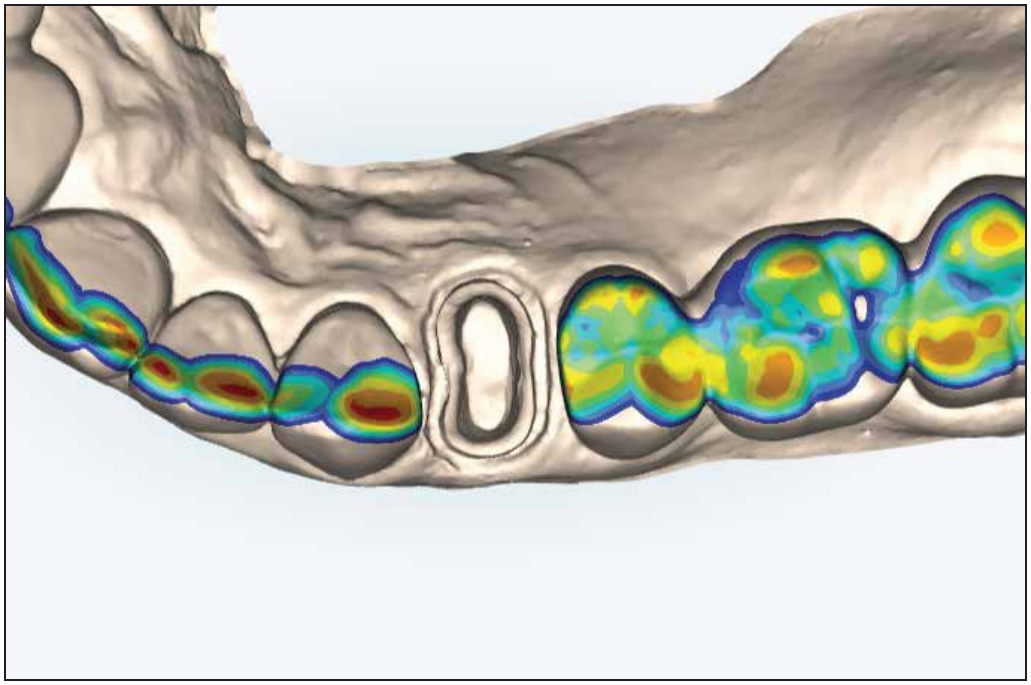
2.) Area should be completely dry during the scanning process.

3.) Keep prep scan to around 5-6 seconds to prevent fluid accumulation in the sulcus.

4.) Capture a clear margin and .5mm of tooth structure apical of the margin.

5.) Please see our recommended 2-cord Technique document.

CLEARANCE



WHY IT'S IMPORTANT:

- Provides appropriate space required for the selected material.
- Allows the lab to create stronger, more lifelike restorations.
- Adheres to the manufacturer's minimum requirements to ensure warranty.
- Improves efficiency at seat appointment reducing chair time.
- Reduces re-makes due to clearance issues.
- Minimizes excessive occlusal adjustments, further improving efficiencies in office.

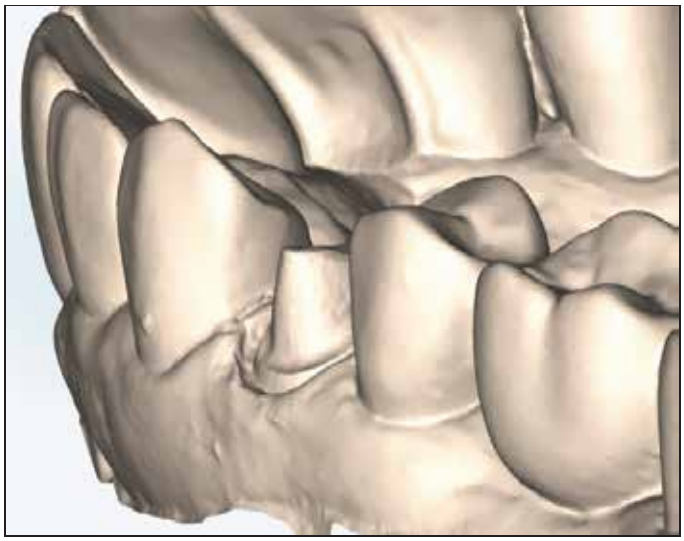
FOR BEST RESULTS:

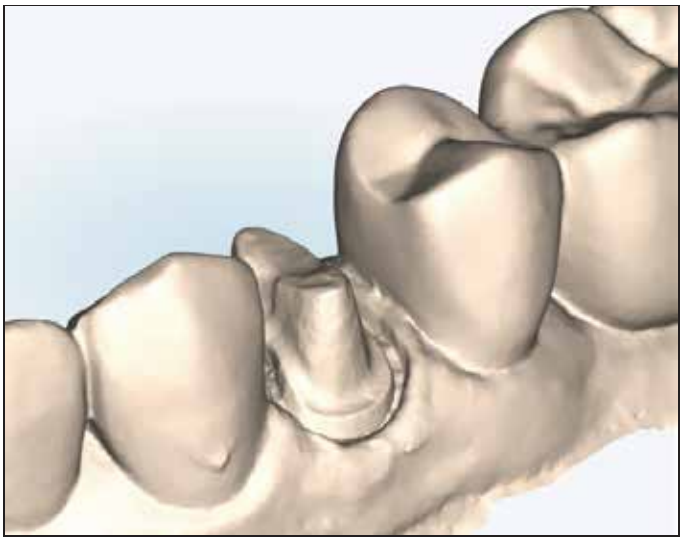
1.) Provide 1.5mm occlusal clearance whenever possible.

- This provides flexibility if the treatment plan changes during production.

2.) Capture a full arch scan.

ADJACENT CONTACTS





WHY IT'S IMPORTANT:

- Provides a superior area to create ideal proximal contacts.
- Improves overall fit and function of the restoration.
- Minimizes chair-side adjustments, increasing your productivity.
- Helps in providing a clear path of insertion.
- Reduces re-makes due to contact issues.

FOR BEST RESULTS:

1.) Use a soflex disc to refine the contacts of the adjacent teeth after prepping the tooth/teeth being restored.

2.) Smooth the adjacent contacts and remove any abnormalities.

3.) Ensure the adjacent contacts are vertical and parallel.

4.) Be sure the contacts of the adjacent teeth are captured in the scan.

* SEE PATH OF INSERTION SECTION

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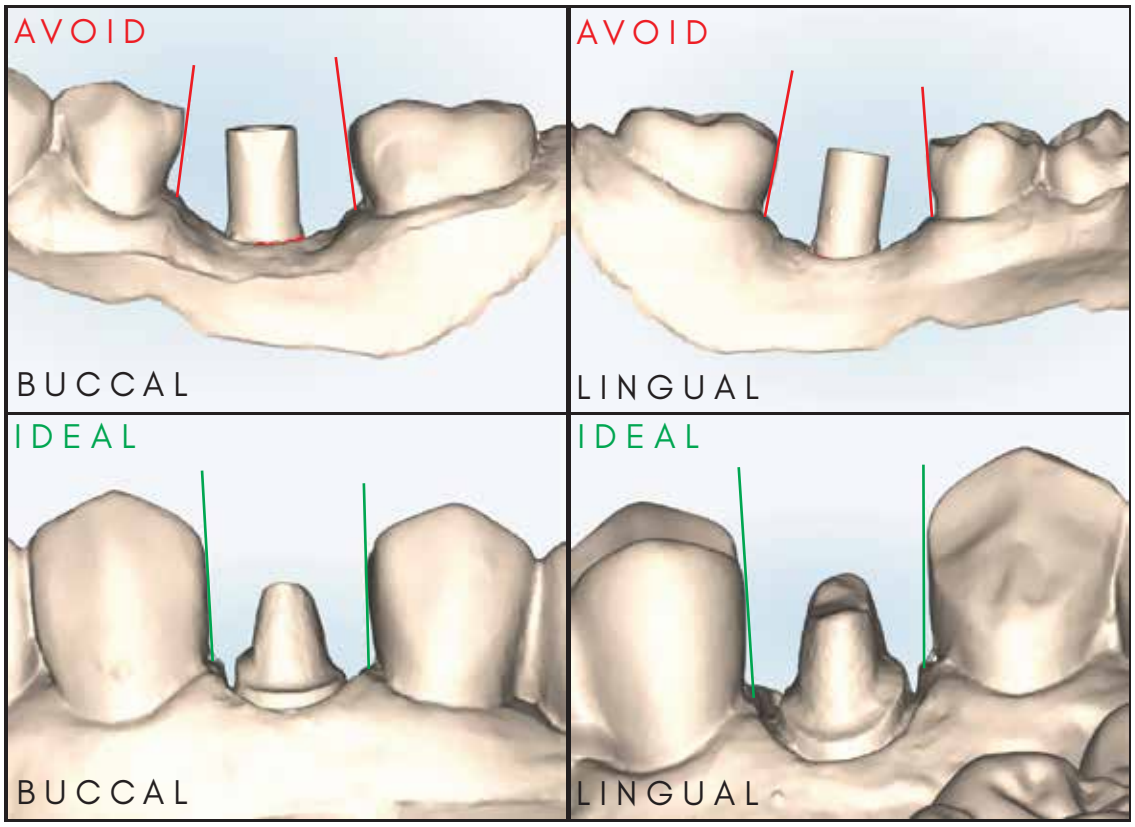
PATH OF INSERTION



WHY IT'S IMPORTANT:

- Provides a clear path of insertion.
- Allows for ideal design of embrasure spaces helping to reduce potential food impaction.
- Reduces the chance of having pinpoint contacts.
- Improves efficiency during seat appointments by reducing chair-side adjustments.
- Reduces re-makes due to contact issues.

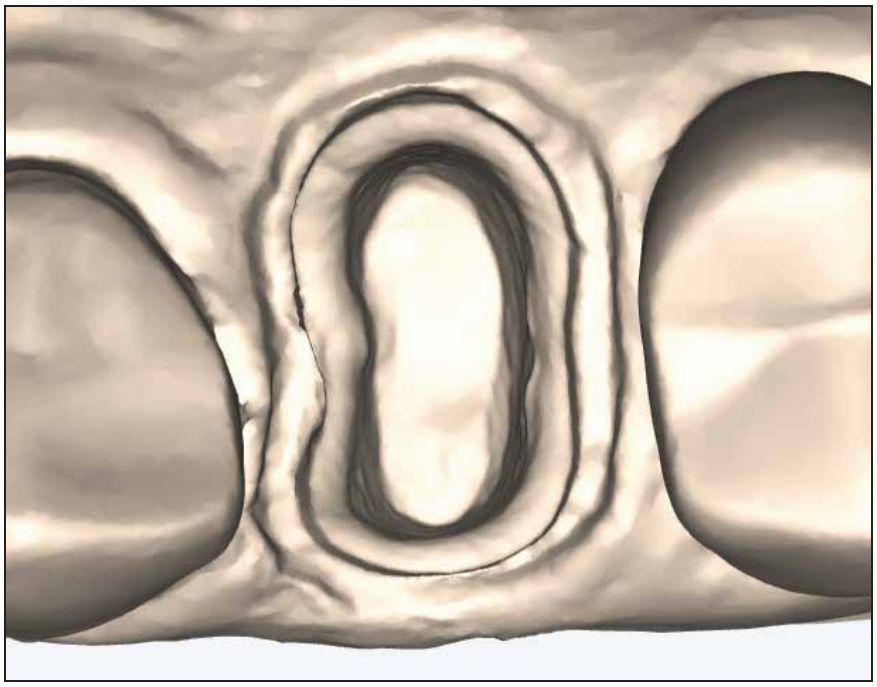
FOR BEST RESULTS:

1.) Use a soflex disc to refine the contacts of the adjacent teeth after prepping the tooth/teeth being restored.

2.) Smooth the adjacent contacts and remove any anomalies.

3.) Ensure the adjacent contacts are vertical and parallel.

DRAW



WHY IT'S IMPORTANT:

- Provides a clear path for the crown to fully seat.
- Eliminates undercuts that can impact marginal integrity.
- Minimizes chair-side adjustments, increasing your productivity.
- Provides a clear 360 degree view of the margin, increasing accuracy of fit.

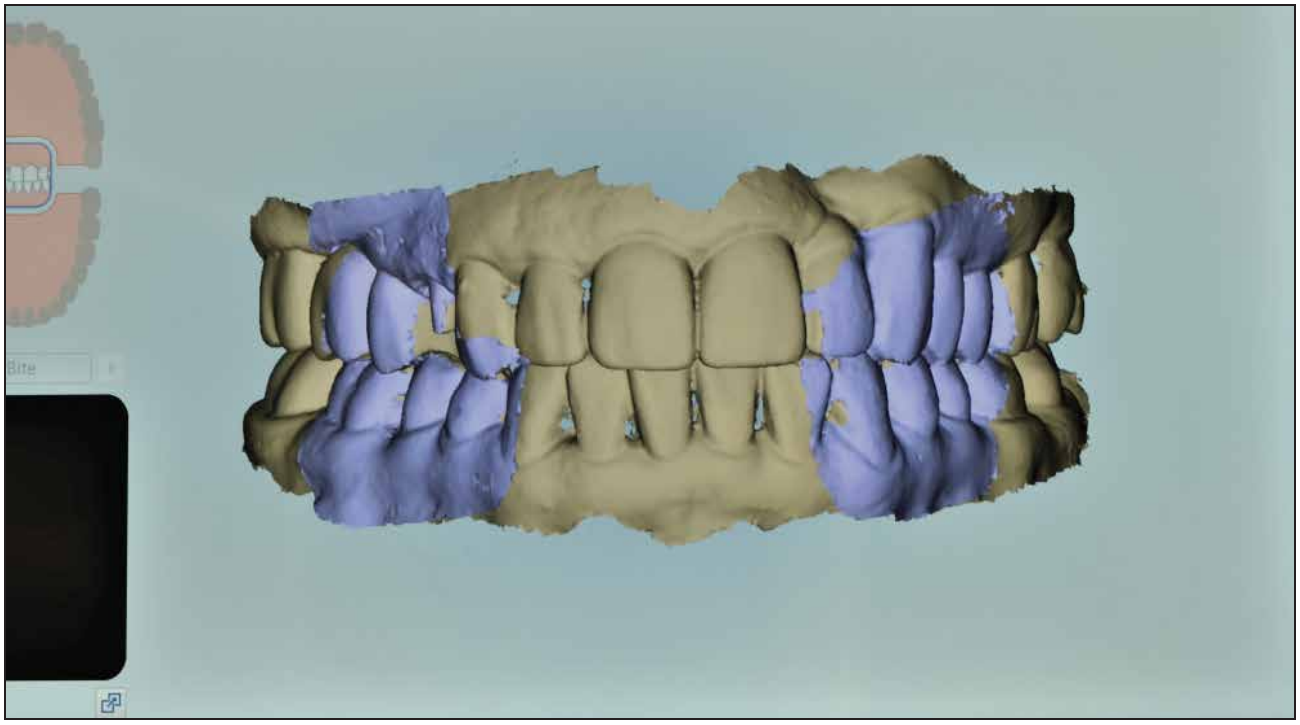
FOR BEST RESULTS:

1.) Use a soflex disc to refine the contacts of the adjacent teeth after prepping the tooth/teeth being restored to ensure they do not impede the margin when observed from the occlusal view.

2.) Refine prep as necessary to ensure ideal prep for draw is achieved.

3.) Ensure the prep is refined to address any potential undercuts.

BITE



WHY IT'S IMPORTANT:

- Provides the lab with accurate bite information.
- Ensures accurate occlusion.
- Minimizes chair-side adjustments, increasing your productivity.
- Reduces re-makes caused by heavy or light occlusion.

FOR BEST RESULTS:

1.) Capture a full arch scan.

2.) Visually inspect the patient's bite intra-orally to ensure an accurate bite scan is achieved.

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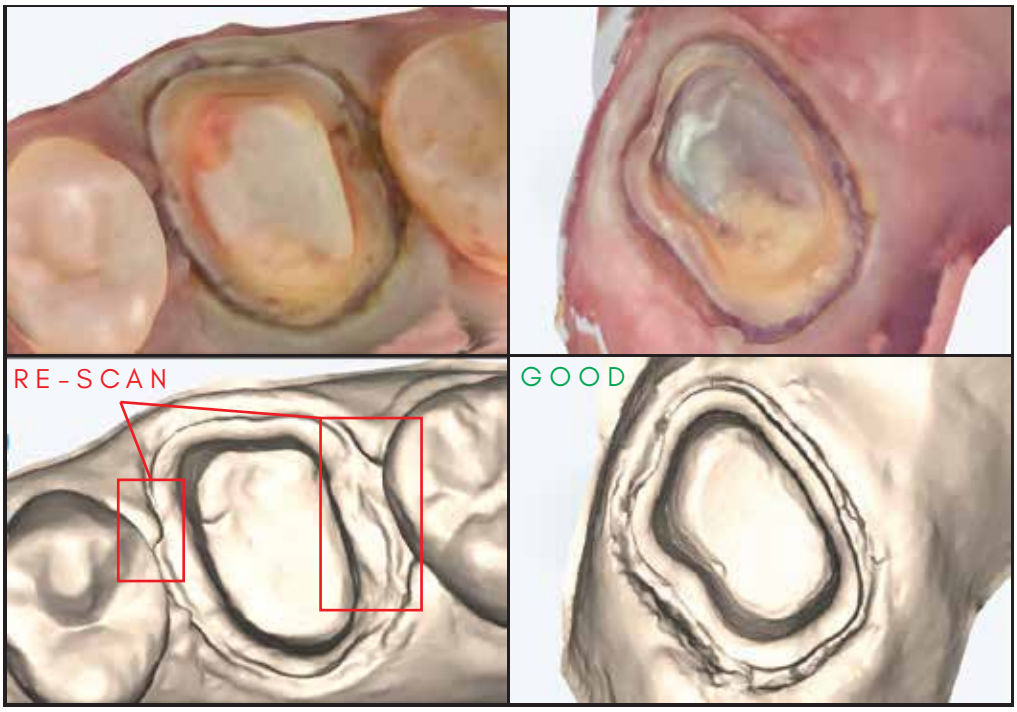
COLOR VIEW VS STONE VIEW



WHY IT'S IMPORTANT:

- Provides clear visible margins for the lab to create a precise marginal fit.
- Reduces patient recalls for additional scans.
- Reduces costly remakes due to open margins.
- Improves the integrity and longevity of the restoration.

FOR BEST RESULTS:

1.) Review prep scan in both color and stone mode to verify accurate margin capture is achieved.

2.) Re-pack cord if necessary to properly manage tissue and re-scan.

3.) Completely wash away any blood, fluids or debris from the prep and surrounding area.

4.) Using suction and strong air from your 3-way, ensure the prep, sulcus, and surrounding soft tissue is completely dry prior to and during scanning.

5.) It is important to understand the scanner is unable to scan through fluid even if it is clear fluid.

* IF YOU CAN'T SEE THE MARGIN IN STONE VIEW THE LAB CAN'T SEE THE MARGIN.

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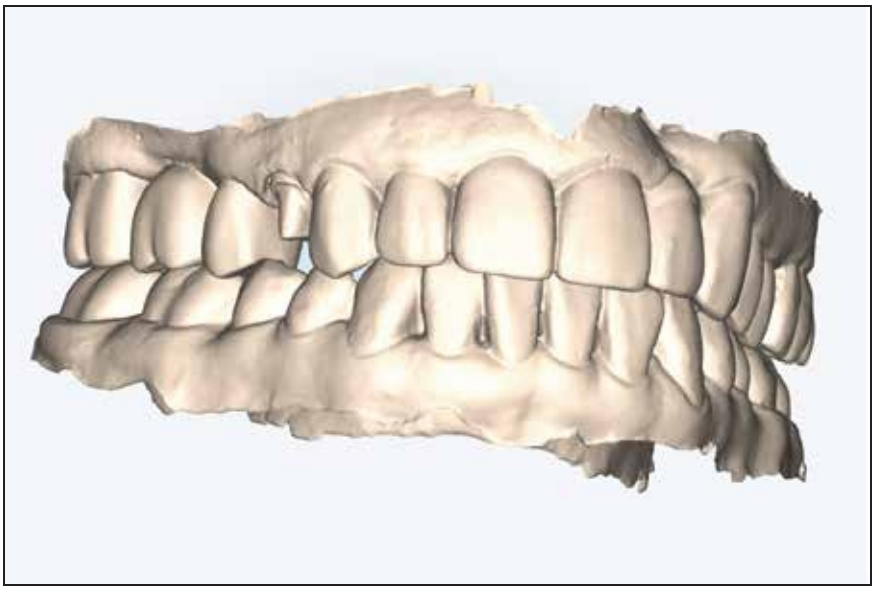
REVIEW SCAN PRIOR TO RELEASING PATIENT



WHY IT'S IMPORTANT:

- Allows you to address any deficiencies found in the scan without re-appointing the patient.
- Ensures the lab has the foundation they need to create the highest quality product possible.
- Streamlines workflows between the dental office and the laboratory.
- Reduces unnecessary calls from the lab to gather additional information.
- Improves results and saves valuable chair time at seat appointment.

FOR BEST RESULTS:

1.) Verify complete and accurate margin capture is achieved.

2.) Ensure adequate occlusal clearance is achieved. (1.5mm occlusal clearance is ideal.)

3.) Confirm there is a clear path of insertion.

4.) Review prep(s) for proper draw.

5.) Verify the adjacent contacts are captured in the scan and are smooth and free of any anomalies.

6.) Compare and confirm bite scan is accurate to the patients true bite.

7.) Ensure all necessary data is captured in the scan.

8.) Provide complete and detailed notes pertaining to the case.

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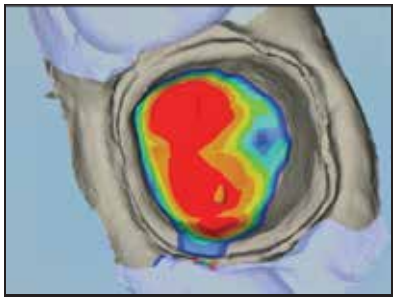
WHEN TO CAPTURE A NEW SCAN

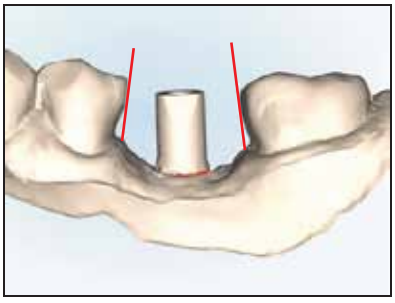
IF ANY OF THE FOLLOWING IS NOTED, A NEW SCAN MAY BE REQUIRED IN ORDER TO PROCEED WITH YOUR CASE.


BLOOD IN SCAN


INSUFFICIENT BITE


UNCLEAR MARGIN


LACK OF CLEARANCE


DIVERGENT CONTACTS


MISSING SCAN DATA

WHY IT'S IMPORTANT:

- Ensures the laboratory has all the necessary information to proceed with your case.
- Increases efficiency of case flow, minimizing delays in the laboratory and the dental office.
- Provides the patient with the best possible clinical outcome.

FOR BEST RESULTS:

1.) Perform a complete review of your scan prior to releasing the patient.

2.) Follow the recommended steps provided in this guide.