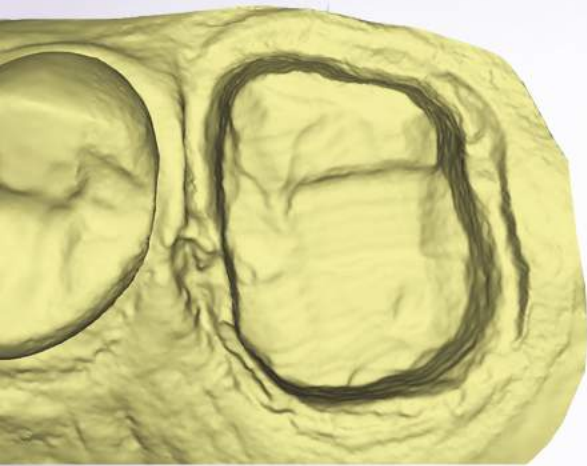# Common Errors

Any of the common errors will sacrifice the integrity of the scan. <u>This can result in an inaccurate restoration.</u>
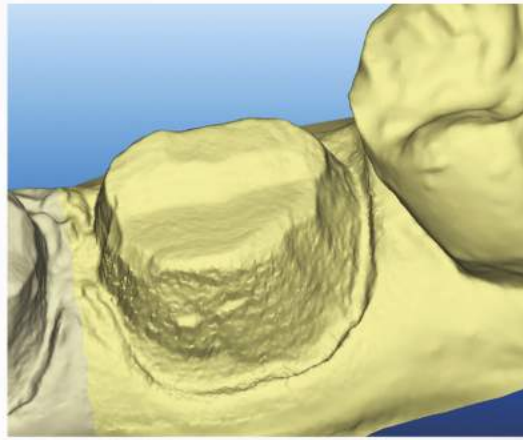
Insufficient Gingival Retraction

Solution: Intra-oral scanners can only capture what is visible to the eye. **Dual cord retraction** is always recommended to avoid tissue interference.
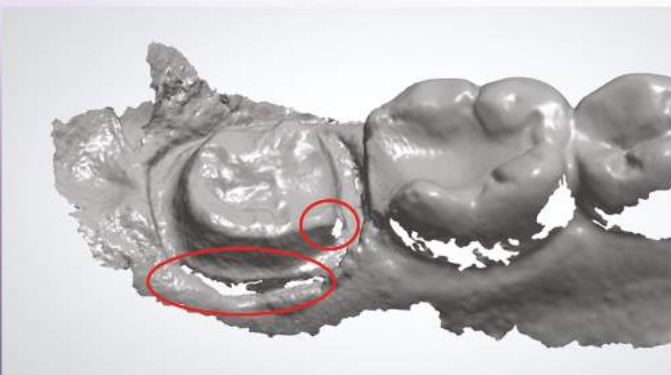
Example of poor retraction

Moisture Control

Solution: To keep the mouth dry while scanning, **use compressed air**. If necessary use cotton rolls, dry tips and saliva ejectors. Check that the wand is clean and free of moisture.

Contact with moisture

prep with moisture

Missing Information

Solution: Ensure that the scanner has **adequate time to capture a surface before moving the wand.** Moving the wand too quickly can result in missing information or distortion. When using a 3M scanner, insufficient spray can also make it difficult to capture a surface.

Missing information on prep and margin
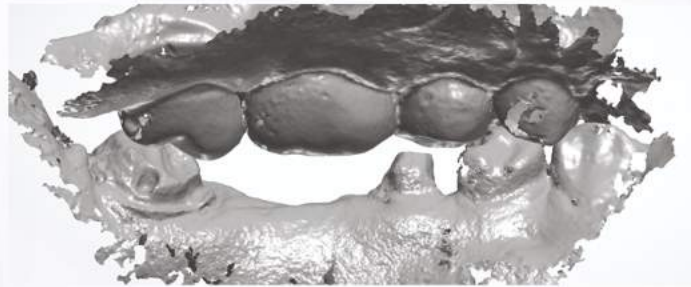
Missing Information

Continued...

Missing information on the adjacent contact

Insufficient Bite Information

Solution: If there are no posterior stops, **a full arch scan is always recommended**. A full scan of **all** anterior teeth is recommended for all anterior restorations. For single unit restorations, capture at least two adjacent teeth on the mesial and distal.
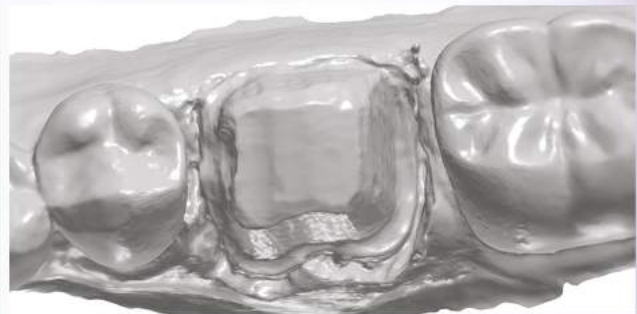

Insufficient bite information

Examples of a Quality Scan:

The entire arch was scanned, providing plenty of information to ensure accurate occlusion

Proper retraction allowed the scanner to clearly capture the margin

The prep and adjacent contacts are fully captured and moisture free