

Occlusal surface – flat



- Place the wand tip **FLAT** on the occlusal surface of the distal molar
- Activate the wand
- Cable end pointed at the patient's toes



- Scan in a continue motion pulling the wand toward the bicuspid
- Tilt the wand slightly to the lingual and sweep across the anterior, canine to canine



Scanner image

- * What you should see in the viewfinder when scanning correctly

Lingual surface - vertical orientation



- Leave the wand activated and roll the wand to the lingual surface
- Rotate the wand so that the lens is **VERTICAL** on the tooth surface



Scan around the lingual surface of the arch in a continuous motion



- * Wand will be perpendicular to the teeth and should appear vertical in the viewfinder

Buccal quadrant horizontal orientation



- Roll the wand over the occlusal surface to the buccal surface
- Orient the wand **HORIZONTALLY** on the buccal cusps
- Scan around the arch to the midline, dropping the cable end of the wand toward the opposite side of the face



- Remove the wand from the mouth but do not turn it off
- Place the wand flat on opposite terminal molar, roll to the buccal and pull the wand forward to scan to the midline
- Roll up to capture the anterior incisal edges



- * Wand will be horizontal to the teeth and should appear as they do in the above image in the viewfinder

Bite



- Sit the patient up to a 45° angle
- Have the patient open, using the wand to retract the cheek as the patient bites in centric occlusion



- Activate the wand
- Bring the wand gently against the tooth anatomy



- Move forward in a wave-like motion capturing 3-4 teeth
- Repeat on the other side using the same technique

*All examples are using the upper arch. Please follow the same technique for the lower arch.

If scanning for Invisalign® clear aligners:

Did you capture:

- 2 mm of gingiva
- Distal wall of terminal molar
- The complete incisal/occlusal surface
- Mesial & Distal interproximal anatomy (no red or purple)
- Accurate bite with patient in centric occlusion

Tips and tricks

- Overhead light and loops should be turned off
- Dry occlusal surface before scanning
- Complete a segment before turning wand off
- While scanning, look at monitor to ensure teeth are in center of the view finder window
- Sit behind the patient at 12 o'clock with the scanner in front of you
- Patient should be in supine position
- Scan the bite starting at 1st molar
- Scan yourself and colleagues for practice
- Hold wand under handed, avoiding the vents

Additional scanning tips

Think of a toothbrush when scanning occlusal and anterior surfaces

- Picture the tip of the wand as the bristles of a toothbrush.
- While scanning you should keep the entire wand tip flat on the teeth that you are scanning.
- Just like when you brush your teeth, you keep the bristles flat and in contact with the teeth.



Capturing lingual crowding

- Place wand perpendicular to the arch and use a twisting motion.
 - To capture the distal contact twist your wrist back towards you.
 - To capture the mesial contact twist your wrist the opposite way.



Capturing buccal crowding

- Place the wand horizontal to the arch and use a rocking motion.
 - To capture the distal anatomy rock the cable end away from the tooth.
 - To capture the mesial anatomy rock the cable end towards the tooth.

