

Traditional Occlusal Rims and Final Impression Clinical Checklist

Patient Name: _____

Laboratory Name: _____

Case Number: _____ **Date:** _____

Armamentarium:

- Laboratory custom tray
- Laboratory VLC base plate with occlusal wax rims
- Tray adhesive
- Impression materials: border molding material, medium and low viscosity
- Handpiece/Carbide for relieving tray
- Preferred instruments for rim adjustment
- Laboratory knife for trimming/scribing wax rims
- Sheet/Utility wax
- Registration material for bite capture

Step-By-Step Checklist: Custom Tray Final Impression

- ☐ Inspect patient's mouth to assure it is clean and clear of all materials – particularly denture adhesive.
- ☐ Apply tray adhesive on the borders of the custom tray, and then the heavy body or rigid to border mold the impression.
- ☐ Insert tray into mouth and perform border movements. Inspect the tray for exposures and overall quality. Correct pressure spots by relieving the tray material with a carbide bur, if needed.
- ☐ Reapply tray adhesive to the remaining surfaces of the custom tray. Express medium body impression material up to the borders. Insert tray into mouth, and hold per manufacturer's instructions.
- ☐ Inspect impression for ALL key anatomical landmarks (see Figures 1 & 2) or any exposures. Correct with low viscosity impression ONLY, if necessary.

Figure 1 - Maxillary Final Impression

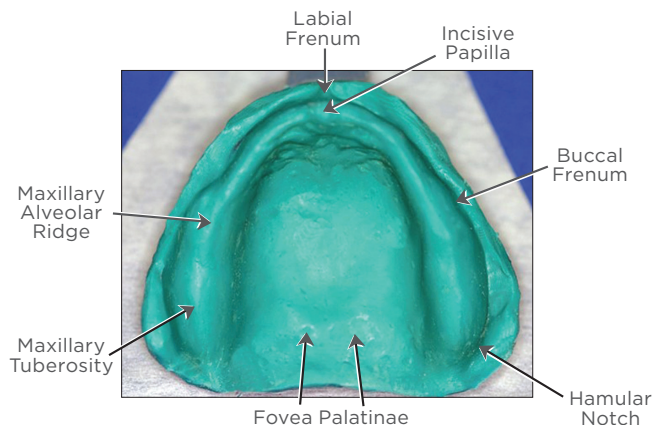
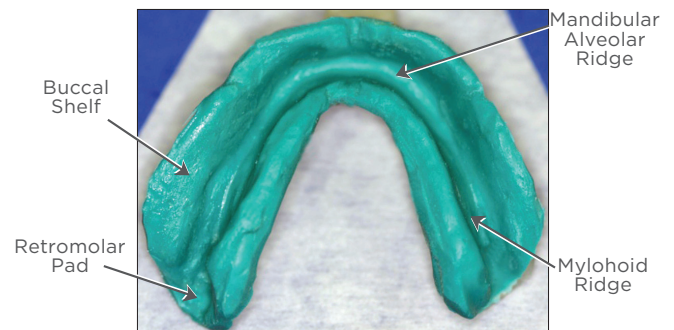


Figure 2- Mandibular Final Impression



Step-By-Step Checklist: Occlusal Base Plate with Wax Rim Records

- ☐ Place each occlusal rim into the mouth and assess fit. Adjust as necessary for VDO (Vertical Dimension of Occlusion).
- ☐ Apply tray adhesive to occlusal rim base plate and express low viscosity impression material evenly over the tissue surface.
 - ☐ a. Hold per manufacturer's instructions.
 - ☐ b. Repeat process on opposing arch if restoring both arches. _____
- ☐ Trim/Remove any excess material that obscures view of anterior occlusal rim. Also, trim any material that extends past the posterior border (post dam). Adjust any exposures with a carbide and re-impression, if necessary.
- ☐ Re-insert occlusal rim(s) into mouth, again to assess for occlusal vertical dimension, and appropriate lip support.
 - ☐ Note on Lip Support - Contour wax rims appropriately - facial position of rim will correlate directly to facial position of teeth in digital design. **TIP:** Check by looking at upper contoured rim on wet/dry line of lower lip. Evaluate "SH" sound for lower contoured rim. _____
- ☐ Using your preferred method to adjust the occlusal rim for:
 - ☐ a. Occlusal Vertical Dimension (use of a Fox Plane is recommended) _____
 - ☐ b. Incisal Edge/Emergence Profile _____
 - ☐ c. Buccal Corridor _____
- ☐ With the "washed" wax rim(s) inserted in the mouth, use a laboratory knife (or other scribing tool) to mark:
 - ☐ a. Midline _____
 - ☐ b. Distal Cuspid Line _____
 - ☐ c. Smile (High) Lip Line _____
 - ☐ d. Dominant (Lip Pull) _____
- ☐ After all records marking are complete, remove the rims and use a laboratory knife. Notch the occlusal rim for "keying" the bite registration material. _____
- ☐ With the occlusal rim(s) in place, apply a small amount of bite registration material to the notched areas. Ask the patient to close into their natural centric position and hold per manufacturer's instructions. Confirm that the occlusal record is repeatable. _____

Discuss with your laboratory the two Try-In options for the third appointment.

Dentsply Sirona and AvaDent can provide the following Try-In options:

WTI – Wagner Try-In is a milled denture base with features similar to a conventional Wax Try-In. However, it permits efficient refinement of posterior occlusion and anterior set-up. Anterior teeth may be adjusted for occlusion or custom aesthetic appearance. This Try-In is perfect for clinicians new to digital dentures or preferring a semi-traditional approach. The WTI may not be used by the patient beyond the clinical evaluation setting.

BTI – Bio-functional Try-In is milled from a monolithic disc to assess fit and occlusion. The BTI can be equilibrated for minor occlusal adjustments. Anterior refinements/notes can be marked on the BTI, but the teeth cannot be moved. Once the BTI has been scanned at the laboratory, the patient may use the BTI as an emergency denture in event that the final appliance is lost or damaged.

Indicate final Lucitone 199® gingival shade:

___ Original ___ Light Reddish Pink ___ Light ___ Dark Pink

Indicate final tooth shade requested:

___ A-D, BW1, BW2, or Portrait® IPN® shade

Check all of the following options desired:

___ Rugae ___ Post Palatal Seal ___ Exclude teeth

ATTENTION CLINICIAN: Provide precise notations for your laboratory and return this checklist for design of a Try-In device.