

Digital Denture Workflow 1

Duplicate a Denture From a Patient's Existing Dentures

Exactly or with Modifications

1. Modify Existing Denture

Evaluate the fit and occlusion of the exiting denture and adjust the denture to optimize it's fit; including equilibration of the occlusion, modifying flange length or thickness, and relining the intaglio surface with impression material.



2. Capture Records

Capture a physical impression of opposing arch with PVS or digitally with an IOS system.

A bite registration must also be taken. If the patient is patient is over closed use the bite registration to reestablish the correct vertical dimension. If the patient's VDO needs reduced equilibrate the existing denture to close the VDO.

If possible, capture patient photos with the patient seated or standing vertical: Full-face full-smile, full-face exaggerated smile, and optionally, full-face profile smile. Including patient photos improves the accuracy of a setup by 25%!



3. Submit the Case to the Laboratory

for the digital denture fabrication with instructions on the desired changes, including shade and acrylic color. The case can be submitted in three ways.

- Send all the records, including the patient's denture to the laboratory for scanning and fabrication.
- Provide a mold of the denture with impression material using the flasking technique.
- Capture 360° digital scan of a relined denture using an IOS scanner or a desktop scanner (see page 26 denture duplication scanning), often called a reference denture scan.



4. **Seat Denture**

The accuracy of CAD/CAM manufacturing makes for an extremely predictable fit during the seating appointment.



Optional Try-In Denture: Regardless of workflow, the doctor may request a try-in denture prior to seating the final. If new impressions are needed, capture a bite and re-evaluate fit.

Optional Reverse Reset: ROE designed its digital denture process to eliminate setup appointments. If you encounter an issue with the final denture, make adjustments, use a sharpie, and capture a photo or two. We'll then perform a 'reverse reset', fabricate a new denture, and send it for a fraction of the overall cost of a traditional denture and reset.