

Digital Denture Workflows

Immediate Denture Workflow

Step 1: Extraorally scan the existing appliances and intraorally scan the bite.

Step 2: Seat the new denture.

Copy or Reference Denture Workflow

The following workflow is applicable for patients using an existing denture to establish their VDO and / or bite and should be used for fabricating a new denture using a current full or partial denture as a reference or relining and/or making an exact copy of a current denture.

- Make any necessary adjustments to the existing denture to ensure fit and correct VDO.
- Remove denture and apply light body wash (avoid excess material).
- Place denture in the patient's mouth and have the patient move lips and move tongue side to side, and gently push down on the denture. Let the denture sit while the impression material sets.
- Remove and trim off any excess impression material, especially on the occlusal surface.
- If teeth are significantly worn down, use blue mousse to fill the bite on the occlusal surface to verify that the VDO is correct.

Fully Edentulous Workflow

The following workflow is applicable for patients with no existing dentition or appliance to establish their VDO and / or bite,

- Take upper and lower intraoral scans
- After receiving the wax bite rim from Mabel, guide the wax bite rim into the patient's mouth to get an accurate bite impression.
- Apply light body wash to the wax bite rim for border molding and accuracy.

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- Clearly mark the wax bite rim with the patient's smile lines, canine lines, and midlines.
- Add blue mousse to register bite.
- Take photos of the patient
- Scan the wax bite to send back to lab

General Recommendations for Digital Dentures

- When patients book appointments remind them to bring all of their appliances (partial denture or existing full denture) with them. Existing appliances help to quickly establish bite and vertical dimension when planning a digital denture case
- When encountering a difficult to capture edentulous region such as a lower arch, a physical impression may be taken and scanned
- Have the patient sit up for the impressions
- Perform muscle relaxation drills prior to taking the impression
- Add a light body wash to a denture or wax bite rim to ensure the most accurate impression
- Take as many photos of the patient as possible—the more information we have the better!
- If the denture or wax bite rim does not have sufficient extension, border mold the appliance using heavy/medium body PVS impression material on the periphery of the appliance, seat it in the patient's mouth, have them go through functional movements and once it has set, follow standard impression steps

