



# CLINICAL PROTOCOLS FOR DIGITAL DENTURES

Digital dentures in as few as two appointments.



Scan and Submit



Digital Design  
and Fabrication



Seat and Smile



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# WHICH DENTURE DOES YOUR PATIENT NEED?

If your patient:	Digital Denture	Immediate Digital Denture	Reference / Copy Digital Denture	Duplicate Digital Denture
Needs a denture and does not have one today	X	X – if extracting same day		
Has a worn or damaged denture and is ready for a refresh			X – changes to an existing denture	
Has a denture that no longer fits securely			X – changes to an existing denture	
Lost their denture and doesn't have a backup	X			X – if was digitally designed previously by Mabel
Wants superior fit and esthetics	X	X	X	X
Wants a backup of their existing denture				X
Wants the durability of a high-impact resin	X	X	X	X

## OPTION 1: DUPLICATE DIGITAL DENTURE

Exact copy of a patient's existing denture. No modifications other than a reline impression.

### FIRST APPOINTMENT

1. Take an impression in the patient's current denture. If a wash is needed, complete wash before proceeding.
2. Take a 360-degree scan of all surfaces of the denture with intraoral scanner.
3. Send files to Mabel.
4. Mabel fabricates a duplicate digital denture based on your scans.

### DELIVERY APPOINTMENT

1. Verify fit.
2. Make any necessary adjustments to periphery and occlusion.
3. Deliver denture.
4. Provide patient instructions for cleaning and care.

## OPTION 2: REFERENCE / COPY DIGITAL DENTURE

Modified copy of patient's existing denture as a reference. Patient has an existing denture, but modifications are necessary (i.e. tooth shape, worn teeth, retention issues).

### FIRST APPOINTMENT

1. Take an impression in the patient's current denture.

*NOTE: information needed will depend on the modifications desired.*

Issue	Information Needed
Broken single tooth	Proceed with scanning. Indicate any desired changes on the Rx.
Dentition worn down	Re-establish vertical dimension of occlusion (bite) before proceeding with scans
Retention	Take a wash and ensure fit before proceeding with scans
Fully broken denture (e.g. denture is in multiple pieces)	Piece denture back together (glue) before proceeding with scans.

2. Take a 360-degree scan of all surfaces of the denture with intraoral scanner, including any changes made to the denture (i.e. wash, or composite added to worn teeth).
3. Scan opposing.
4. Scan bite registration at desired vertical dimension of occlusion.
5. Take a smile photo or facial scan of patient capturing any changes to the esthetic zone.
6. Indicate any desired changes on the prescription. Indicate if try-in is desired or if the case is going directly to finish.
7. Send files to Mabel.

### TRY-IN APPOINTMENT (Advantage only)

1. Insert the printed try-in(s). Examine the fit, midline, lip support, plane of occlusion, angle of anterior teeth and vertical dimension. Make any necessary adjustments directly on the try-in for ideal esthetics.
2. Scan the entire try-in.
3. Send scans back to Mabel. Request any repositioning or adjustments at this step.

*NOTE: If any additional try-in is requested, repeat the try-in appointment sequence above.*

4. Mabel fabricates the final complete denture.

### DELIVERY APPOINTMENT

1. Verify fit.
2. Make any necessary adjustments to periphery and occlusion.
3. Deliver denture.
4. Provide patient instructions for cleaning and care.

## OPTION 3: DIGITAL DENTURE | DUAL ARCH

Edentulous patient. No existing denture to reference.

### FIRST APPOINTMENT

1. Scan the upper and lower edentulous arches.

*TIP: If you're having difficulty scanning intraorally, take a traditional impression and scan the impression. This time-saving tip eliminates tissue movement and helps to reach hard-to-scan areas such as the retro-molar pad and posterior tuberosities.*

2. Complete the prescription and send the digital impressions and photographs to Mabel.
3. Mabel fabricates an upper try-in and lower bite block and sends to your office.

### TRY-IN APPOINTMENT

1. Insert the printed maxillary try-in and confirm proper fit of intaglio surface. If a wash is needed, complete wash before evaluating tooth position.
2. With the maxillary try-in in place, examine the midline, lip support, plane of occlusion, angle of anterior teeth, and vertical dimension. Make any necessary adjustments directly on the try-in for ideal esthetics.

*TIP: Drawing on the try-in with a sharpie or similar marker may not be captured during the scanning process. Add composite or subtract using a bur so the markings are captured as physical landmarks in the scan.*

3. Insert the mandibular bite block and check fit. If a wash is needed, complete wash before evaluating tooth position.
4. Evaluate the mandibular bite block for correct vertical dimension and plane of occlusion. Adjust if necessary.
5. Take a 360-scan using your intraoral scanner of the maxillary printed try-in and mandibular bite block. Ensure scans capture all desired changes (see TIP in step 2).
6. Place both maxillary printed try-in and mandibular bite block in the mouth. Use an elastomeric material (such as Blu-Mousse®) to record bite registration. Leave in place to ensure the maxillomandibular relationship does not shift and complete bite scan.
7. Take a smile photo or facial scan of patient capturing any changes to the esthetic zone.
8. Send scans to Mabel. Request any repositioning or adjustments at this step.  
*NOTE: if an additional try-in is requested, repeat the try-in appointment.*
9. Mabel fabricates the final complete denture.

## DELIVERY APPOINTMENT

1. Verify fit.
2. Make any necessary adjustments to periphery and occlusion.
3. Deliver denture.
4. Provide patient instructions for cleaning and care.

## OPTION 4: DIGITAL DENTURE | SINGLE ARCH

Edentulous patient. No existing denture to reference.

## FIRST APPOINTMENT

1. Scan the edentulous arch.  
*TIP: Instead of directly scanning soft tissue in the mouth, take a traditional impression and scan the impression. This time-saving tip eliminates tissue movement and helps to reach hard-to-scan areas such as the retro-molar pad and posterior tuberosities.*
2. Complete the prescription and send the digital impressions and photographs to Mabel.
3. Mabel fabricates a bite block and sends to your office.

## TRY-IN APPOINTMENT

1. Insert the bite block and check fit. If a wash is needed, complete wash before evaluating tooth position.
2. Adjust the bite block for correct vertical dimension and plane of occlusion.
3. Take a 360-scan using your intraoral scanner of the bite block. Ensure scans capture all desired changes.  
*TIP: Drawing on the try-in with a sharpie or similar marker may not be captured during the scanning process. Be sure to add composite or subtract using a bur so the markings are captured as physical landmarks in the scan.*
4. Place both maxillary printed try-in and mandibular bite block in the mouth. Use an elastomeric material (such as Blu-Mousse) to record bite registration. Leave in place to ensure the maxillomandibular relationship does not shift and complete bite scan.
5. Take a smile photo or facial scan of patient capturing any changes to the esthetic zone.
6. Send scans to Mabel. Request any repositioning or adjustments at this step.  
*NOTE: if an additional try-in is requested, repeat the try-in appointment sequence above.*
7. Mabel fabricates the final complete denture.

## **DELIVERY APPOINTMENT**

1. Verify fit.
2. Make any necessary adjustments to periphery and occlusion.
3. Deliver denture.
4. Provide patient instructions for cleaning and care.

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