

AvaDent Clinical Workflows

Your Path to The Perfect Smile

AvaDent
Bio-Hygienic
Denture



AvaDent
Removable
Overdenture



AvaMax
LOCATOR FIXE®



AvaMax
Fixed Hybrid



Reference Denture Technique

Straight to Final

2 APPOINTMENT DENTURE

01 Initial Appointment

1. Establish the desired vertical dimension of occlusion (VDO).
2. Take a wash impression if needed, using the appropriate tray adhesive.
3. Reseat the dentures and verify midline, incisal edge position, VDO, lip support, esthetics, and occlusion.
4. Capture the bite registration. Scan each denture 360°, then scan both dentures together in the recorded bite.
5. Confirm all records and submit to AvaDent for design and final fabrication.

Reference Denture



02 Delivery Appointment

1. Seat the final dentures and verify fit, retention, and function.
2. Adjust borders and occlusion as needed.
3. Deliver the dentures and provide hygiene, maintenance, and follow-up instructions.

Final Denture | XCL-2



Fully Milled Denture - Multi-Layered Teeth



Reference Denture Technique
Straight to Final
Scan QR To Watch Video

Reference Denture Technique

With Full-Color Try-In

3 APPOINTMENT DENTURE

01 Initial Appointment

1. Establish desired vertical dimension of occlusion (VDO).
2. Take a wash impression if needed, using the appropriate tray adhesive.
3. Reseat the dentures and verify midline, incisal edge position, VDO, lip support, esthetics, and occlusion.
4. Capture the bite registration and scan each denture 360°, then scan both dentures together in the recorded bite.
5. Submit records to AvaDent for try-in design & fabrication.

Reference Denture

Existing Dentures with Wash Impression



02 Try-In Appointment

1. Seat the try-in and verify fit. Adjust or take a wash impression if needed.
2. Confirm midline, incisal edge position, VDO, lip support, esthetics, and occlusion.
3. If approved, submit case to AvaDent for final fabrication.
4. If changes are needed, repeat the applicable initial records and submit updated files for redesign.

AvaDent | Try-In



Full Color Printed Try-In

03 Delivery Appointment

1. Verify fit and function.
2. Adjust periphery or occlusion if needed.
3. Deliver denture and provide care instructions.

Final Denture | XCL-2



Fully Milled Denture - Multi-Layered Teeth



Reference Denture Technique
Full Color Try-In
Scan QR To Watch Video

Digital Denture Technique

4 APPOINTMENT DENTURE

No Reference Denture

01 Initial Appointment

1. Scan the upper and lower edentulous arches.
2. Complete RX, upload scans to AvaDent for base plate with wax rim.

02 Wax Rim Appointment

1. Verify record base fit. Adjust and take a wash impression if needed.
2. Border-mold each record base to capture vestibular anatomy.
3. Seat the wax rims and verify vertical dimension and occlusal plane.
4. Mark the midline, smile line, and canine positions.
5. Capture the bite registration.
6. Scan each record base and wax rim 360°, then scan both together in the recorded bite.
7. Submit all records to AvaDent for try-in design and fabrication.

03 Try-In Appointment

1. Seat try-in and verify fit. Adjust / take a wash impression if needed.
2. Evaluate midline, incisal edge position, vertical dimension, lip support, esthetics, and occlusion.
3. If approved, submit the case to AvaDent for final fabrication.
4. If changes are needed, repeat the applicable wax rim records and submit updated files for redesign.

04 Deliver Appointment

1. Seat the final dentures and verify fit, retention, and function.
2. Adjust borders and occlusion as needed.
3. Deliver the dentures and provide hygiene, maintenance, and follow-up instructions.

Intraoral Scan



Record Bases with Wax Rim



AvaDent | Try-In



Full Color Printed Try-In

Final Denture | XCL-2



Fully Milled Denture - Multi-Layered Teeth



Digital Denture Technique
No Reference Denture
Scan QR To Watch Video

Analog Denture Technique

No Reference Denture

01 Initial Appointment

1. Make final impressions
2. Complete the RX order form on the *AvaDent portal* and **SHIP** the impression to AvaDent for base plate with wax bite rim.

02 Wax Rim Appointment

1. Verify fit. Adjust and/or take wash impression as needed
2. Seat wax rims to verify the vertical dimension and occlusal.
3. Verify/Modify occlusal plane
4. Mark midline, smile line, and canines.
5. Make bite registration
6. **SHIP** wax rim and/or stone model of opposing and bite registration to AvaDent.

03 Try-In Appointment

1. Verify fit; adjust and/or take wash impression if needed.
2. Seat try-in and confirm midline, incisal edge, VDO, lip support, esthetics, and bite.
3. If all records are correct, submit to AvaDent for final denture.
4. If changes are needed, repeat Wax Rim steps and **SHIP** to AvaDent for redesign.

04 Final Fit

1. Seat final denture fabricated by AvaDent.
2. Perform fit adjustments and patient education.
3. Schedule follow-up for sore spot relief if needed.

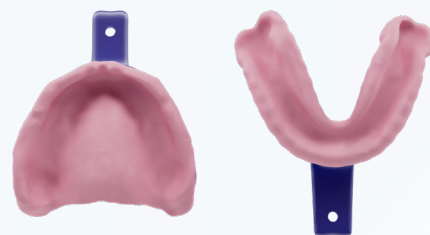


Analog to Denture Technique
No Reference Denture
Scan QR To Watch Video

AvaDent will continue to accept physical models and digitize them for an additional fee; however, digital scanning is preferred for greater accuracy, faster case submission, and a more efficient workflow.

Don't have a scanner? Contact us to learn how AvaDent can help your practice get started.

Analog Impression



Record Bases with Wax Rim



AvaDent | Try-In



Full Color Printed Try-In

Final Denture | XCL-2



Fully Milled Denture - Multi-Layered Teeth

Digital Overdenture Technique

Removable Zest LOCATOR® System

01 Initial Appointment

1. If an existing or immediate denture is present, relieve the implant sites and verify passive, pressure-free seating.
2. Capture a light-body wash impression with LOCATOR abutments in the mouth or housings in place.
3. Capture the bite scan and complete a 360° scan of each denture.
4. For **no-chairside pickup**, place Zest scan bodies on the abutments and scan intraorally. Submit all required records to AvaDent.

02 Try-In Appointment

1. Seat the full-color prototype with LOCATOR housings in place.
2. Verify fit, esthetics, phonetics, and occlusion.
3. Make necessary adjustments and confirm with the patient.
4. If changes are made, capture and submit updated records.

03 Final Fit Options

Choose the appropriate delivery technique based on whether LOCATOR housings will be picked up chairside or have AvaDent do the work and save chairtime with no pickup.

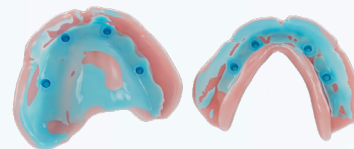
Option 1 - Chairside Pickup

1. Seat the AvaMax Overdenture with LOCATOR recesses and verify adequate clearance for the housings.
2. Perform the chairside pickup to secure the LOCATOR housings.
3. Replace processing inserts with the appropriate final retention inserts.
4. Verify passive fit, retention, and occlusion. Provide patient care instructions.

Option 2 - No Chairside Pickup*

1. Seat the AvaMax Overdenture with preprocessed LOCATOR housings and processing inserts in place.
2. Verify passive fit and replace black processing inserts with the appropriate final retention inserts.
3. Confirm retention and occlusion. Provide patient care instructions.

Light Body Wash Impression



Digital Scan Records



Full-Color Try-In



Fully Milled Overdenture



Without Titanium Frame

AvaMax Overdenture



With Titanium Frame



Digital Overdenture Technique
Removable Zest LOCATOR System
Scan QR To Watch Videos



AvaDent will robotically place housings with black processing inserts

Analog Overdenture Technique

Removable Zest LOCATOR® System

01 Initial Appointment

1. Take abutment-level impression over LOCATORS. Capture soft tissue around abutments precisely
 - 1a. For no chairside pickup stone models are required.
2. Remove all housings before shipping
3. **SHIP** impressions to AvaDent

02 Wax Rim Appointment

1. Verify fit. Adjust and/or take wash impression as needed
2. Seat wax rims with LOCATOR pockets to verify vertical dimension and occlusion
3. Record midline, smile line, and occlusal plane
4. Capture bite registration
5. **SHIP** wax rim and/or stone model of opposing and bite registration to AvaDent.

03 Try-In Appointment

1. Try-in full-color prototype denture with LOCATOR pockets and housings in place
2. Verify fit. Adjust and/or take wash impression as needed
3. Verify esthetics, phonetics, and occlusion
4. Make adjustments as necessary and confirm with patient
5. **SHIP** try-in to AvaDent

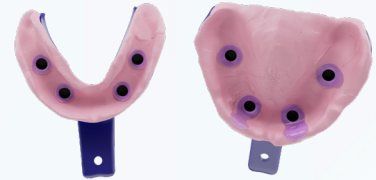
04 Final Fit

1. Place AvaMax Overdenture with LOCATOR recesses.
2. Use chairside pickup technique to engage housings
3. Confirm passive fit, retention, and provide patient care instructions.



Analog Overdenture Technique
Removable Zest LOCATOR System
Scan QR To Watch Video

Analog Impression



Base Plate with Wax Rim



Full Color Try-In



Fully Milled Overdenture



With or Without Titanium Frame (AvaMax)

AvaDent will continue to accept physical models and digitize them for an additional fee; however, digital scanning is preferred for greater accuracy, faster case submission, and a more efficient workflow.

Don't have a scanner? Contact us to learn how AvaDent can help your practice get started.

AvaMax LOCATOR FIXED® Technique

Fixed Prosthesis with Zest LOCATOR

01 Option 1: Denture Converted

1. Remove healing caps and place LOCATOR abutments.
2. Pick up LOCATOR housings to convert the existing dentures.
3. **A. Seated Scan:** Scan the upper and lower converted dentures intraorally. Include the palate, ridge, and retromolar pads as applicable.
4. **B. Bite:** Capture the bite with the converted dentures seated.
5. **C. Scan Body Arches:** Remove the dentures, place ZEST SCAN BODIES, and scan both arches.
6. **D. Extraoral Scans:** Scan both dentures extraorally, capturing all surfaces 360°
7. Submit the required scans, photos, and case information to AvaDent.

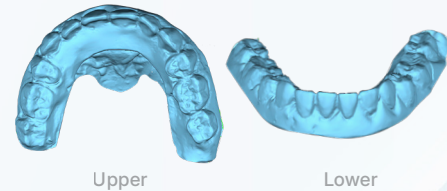
02 Option 2: Denture Not Converted

1. Remove healing caps and place LOCATOR abutments.
2. Adjust the existing dentures for passive, pressure-free seating.
3. Take a wash impression over the abutments and tissue.
4. Verify VDO, centric relation, esthetics, and midline.
5. **B. Bite:** Capture the bite with the dentures seated.
6. **C. Scan Body Arches:** Place Zest scan bodies and scan both edentulous arches
7. **D. Extraoral Scans:** Scan both dentures extraorally, capturing all surfaces 360°.
8. Submit the required scans, photos, and prescription to AvaDent.

Capture Digital Records

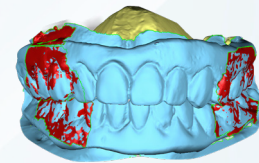
Seated Scan

Scan upper and lower converted dentures intraorally.



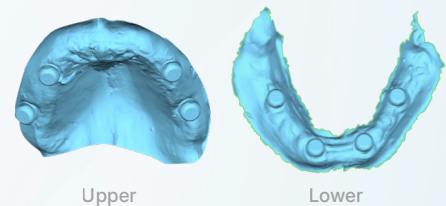
Bite

Capture the bite with dentures seated



Scan Body Arches

Scan both arches with Zest scan bodies in place



Extraoral Scans

Scan both dentures extraorally



All required scans must be complete.
Extraoral denture scans must capture all surfaces 360°

03 Final Fit Options

Choose the final fit workflow that best aligns with your clinical preference. Both options are designed to provide a secure, passive fit with proper retention and straightforward patient care.

Option 1 - Chairside Pickup

1. Place AvaMax LOCATOR FIXED® with LOCATOR recesses and position the gold LOCATOR FIXED housings with processing inserts.
2. Verify clearance and passive seating. Perform the chairside pickup according to the Zest protocol.
3. Verify the completed pickup, fit, and occlusion before proceeding to final LOCATOR FIXED inserts.

Option 2 - No Chairside Pickup*

1. Place the AvaMax LOCATOR FIXED with the gold housings already processed into it and the processing inserts in place.
2. Confirm passive fit, replace processing inserts with the appropriate LOCATOR FIXED retention inserts, verify retention, and provide patient care instructions.

Full Color Hybrid Try-in

Optional based on Clinical Evaluation



Verify fit, esthetics, phonetics, and occlusion before final fabrication.

AvaMax LOCATOR FIXED®



With Titanium Space Truss Bar



AvaMax LOCATOR FIXED Technique
Fixed Prosthesis w/ Zest LOCATOR
Scan QR To Watch Videos



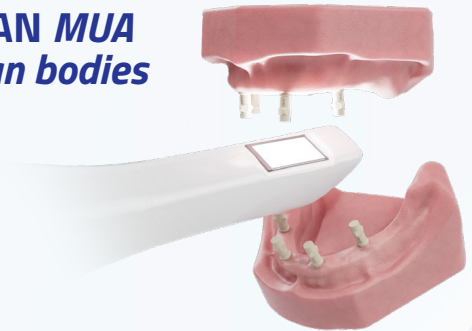
AvaDent will robotically place housings with black processing inserts

AvaMax Hybrid Screw-Retained Fixed Digital Technique

01 Initial Appointment *(Scans Required)*

1. Scan the existing well-fitting denture or try-in in 360°. Capture the interocclusal record with the prosthesis seated passively.
2. Scan the soft tissue with healing abutments in place.
3. Remove the healing abutments, place MUA and scan bodies, and scan the soft tissue again with scan bodies in place.

**SCAN MUA
Scan bodies**



02 Full Color Try-In Appointment

1. Seat the Full-Color Try-In with abutment-level connections.
2. Evaluate smile line, midline, occlusion, phonetics, and lip support.
3. Document any required changes, digitally.

Full Color Try-in



03 Final Delivery Appointment

1. Deliver the final AvaMax prosthesis.
2. Verify occlusion and adjust as needed.
3. Review hygiene, maintenance, and follow-up instructions.

AvaMax



With Titanium Space Truss Bar



AvaMax Hybrid Fixed
Digital Technique
Scan QR To Watch Video



global[™]
dental science

AVADENT[®]

Global Dental Science LLC
15730 North 83rd Way, Ste 101
Scottsdale, AZ 85260
United States
info@avadent.com
Tel: +1 480 275 7144

www.avadent.com

Global Dental Science Europe B.V.
Ringbaan-Noord 7
5013 EA Tilburg
The Netherlands
info@globaldentalscience.eu
Tel: +31 (0) 88 700 5500

www.avadent.com/nl