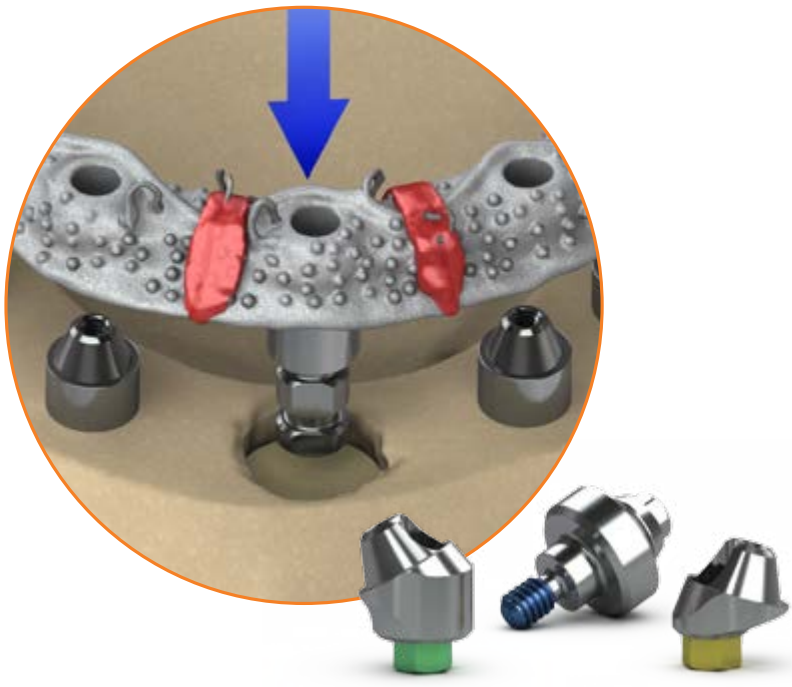
correcting a non-passive framework



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correcting a non-passive framework

Use this technique to verify and achieve passive fitting metal framework for a bridge, hybrid prosthesis or for an overdenture bar. A passive fit when splinting multiple implants together is suggested for implant-supported restorations.

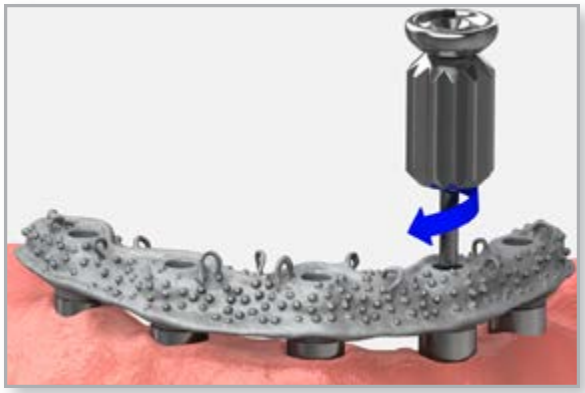
1 Try-in the frame

Remove the healing caps from the Multi-unit abutments or healing abutments from the implants using an .050" (1.25mm) hex driver. Confirm that the prosthetic platform is free of any debris or soft tissue.

Place the framework and confirm that the frame seats passively. Beginning with the most distal abutment or implant, place the first abutment screw. Hand tighten the screw and make sure the prosthetic interface on all the remaining abutments or implants is completely seated.

Note:
Visually or with a radiograph, always ensure the bar or framework is completely seated onto the abutments.

Continue placing the abutment screws. Verify the fit each time a screw is placed. If at any point the frame lifts as a screw is tightened, this indicates the frame is not passive and needs to be sectioned in that area and returned to the lab for correction.



2 Mark and modify the framework

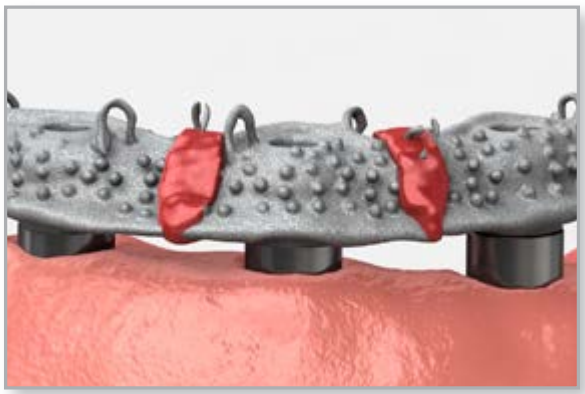
Mark the area(s) that will require sectioning.

Remove and section the framework where necessary.

3 Lute the sectioned framework

Seat the sectioned frame and lute it together using acrylic/composite resin material.

Note:
Visually or with a radiograph, always ensure the bar or framework is completely seated onto the abutments.



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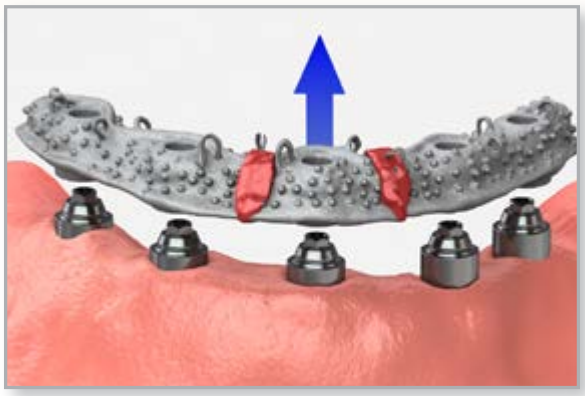
correcting a non-passive framework

4 Remove and replace the healing components

Remove the framework and replace the healing caps on the Multi-unit abutments or healing abutments on the implants using an .050" (1.25mm) hex driver.

Return the luted framework to the laboratory for soldering/laser welding.

⚠ Important:
DO NOT ATTACH the framework to the model.



send to lab

- sectioned and luted framework
- prosthetic screws
- working model

5 Lab step - Remove the misaligned replica or analog

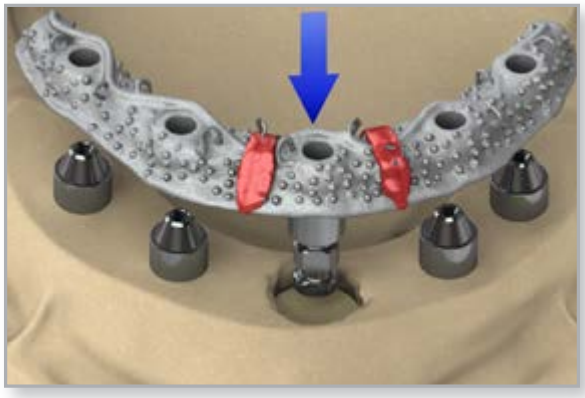
Remove the misaligned replicas or analogs from the working model.

6 Lab step - Correct the working model

Attach the removed replicas or analogs to the framework and seat on the model securing it to the remaining replicas or analogs. The reattached replicas or analogs will be suspended within the holes created when they were removed from the model.

Soak the model in water.

Carefully vibrate stone into the voids around the retentive undercuts of the analogs. Allow the stone to set.



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7 Lab step - Solder/laser weld the framework

Remove the resin from the sectioned framework and clean each segment. Return the framework to the corrected master model and solder/laser-weld the corrections.

Proceed with another try-in or continue with the case.

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notes

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