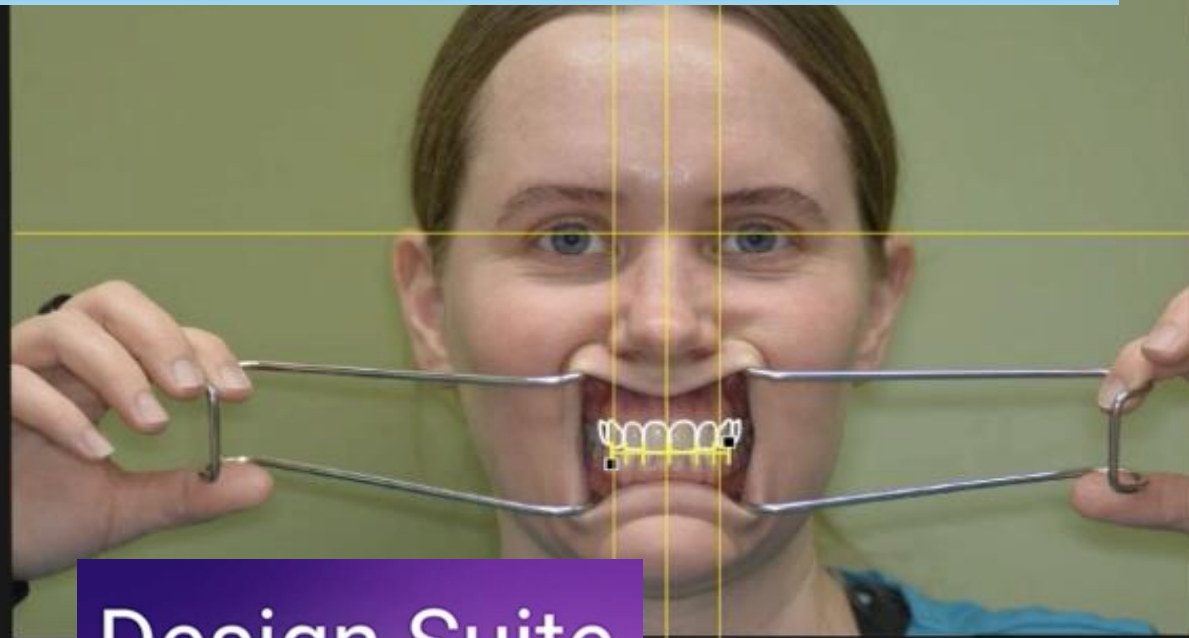


Design Suite Smile Mockups.

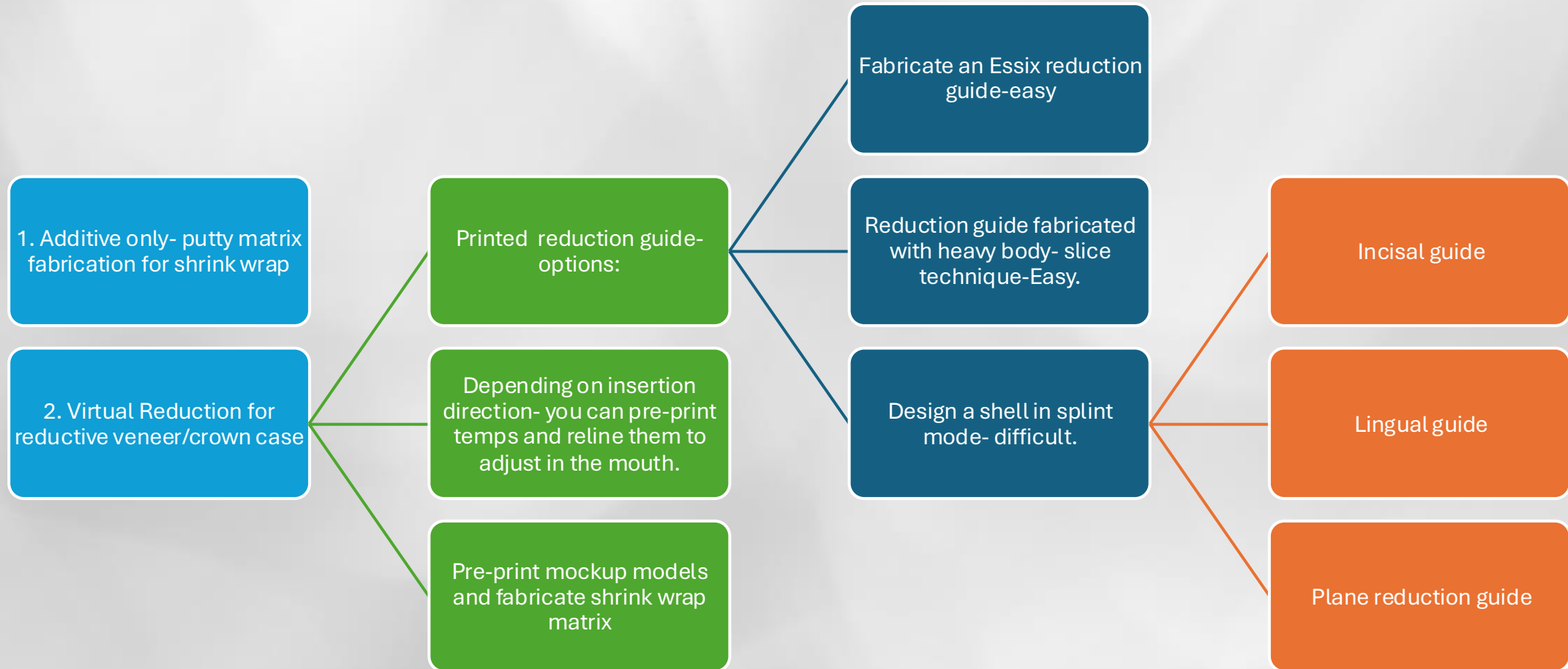
- File
- Upload
- Back
- Instant Smiles
- Veneers
- Smile Editing
- Braces
- Templates
- Smile Curve
- Proportion Guide
- Width:Height Ratio
- Reference Line



Design Suite



Smile Mockup Options:



Preparation Case

1

Step 1. Set Work Order

2

Step 2. Virtual Waxup Bottom

3

Step 3. Set tooth models

4

Step 4. Tooth Placement

5

Step 5. Freeforming

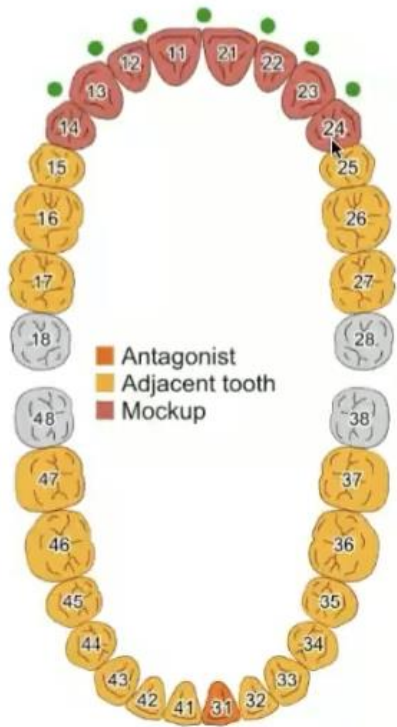
6

Step 6. Connectors

7

Step 7. Save and Export

Step 1. Setting Work Order



Generic/3D Print

Crowns and copings



Pontics and Mockup



Inlays, onlays and veneers



Removables and appliances



Residual dentition



Material

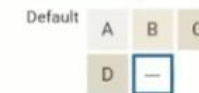
5-Axis / Laser / 3D Print



Options & Parameters

Reset values to material default

Material shade?



Additional Scans?



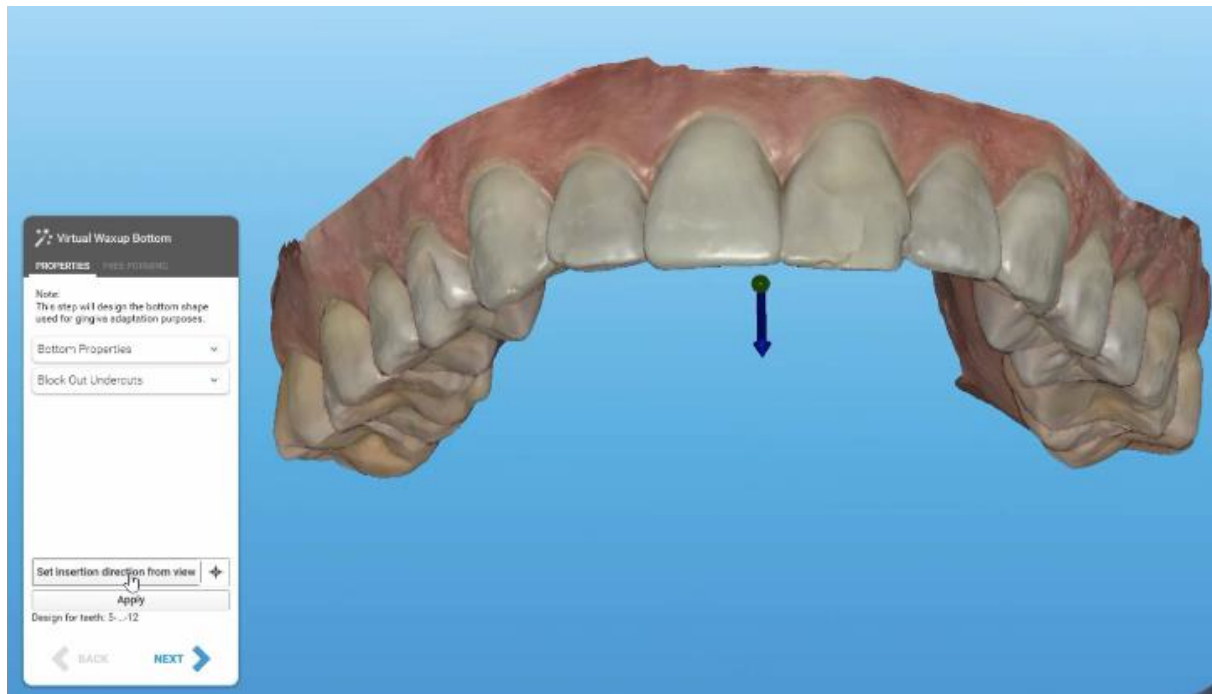
Virtual extraction?



Show advanced parameters

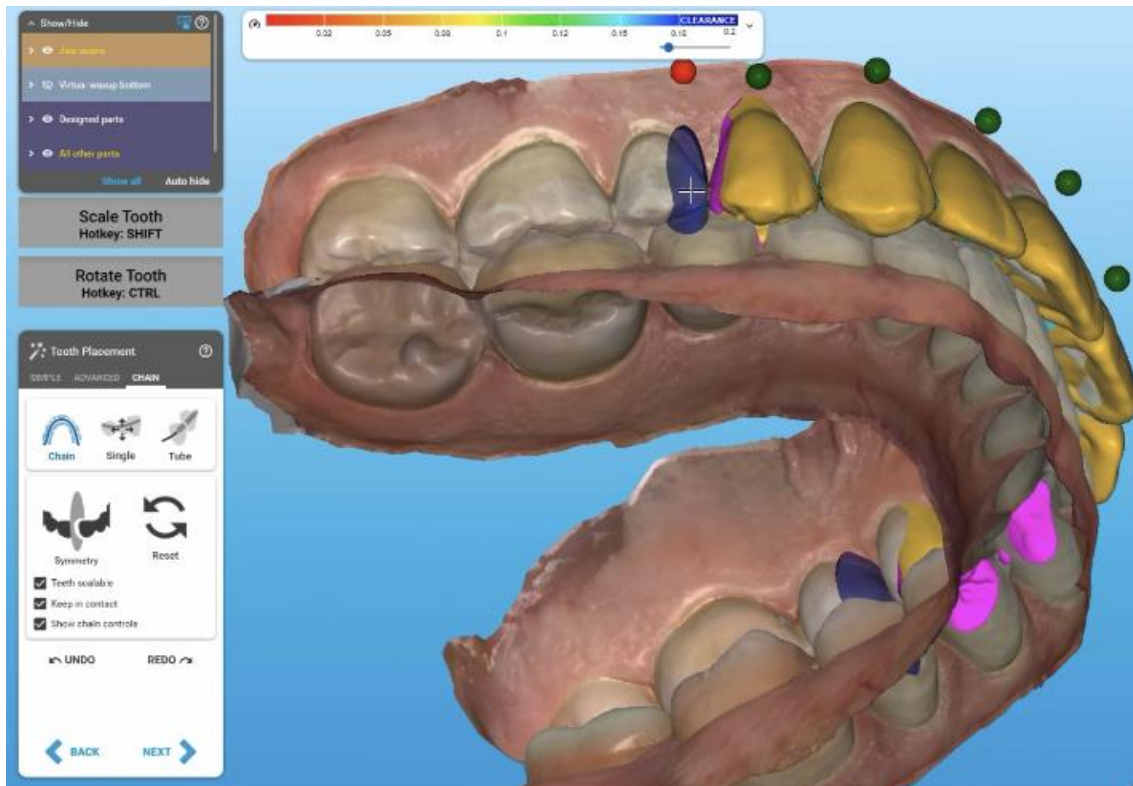
Step 2. Virtual Waxup Bottom

- Adjust insertion direction to the facial this if doing veneers or occlusal if doing crowns/full mouth rehab
- More important if you are doing a snap on provisional and less important for traditional mockup models.



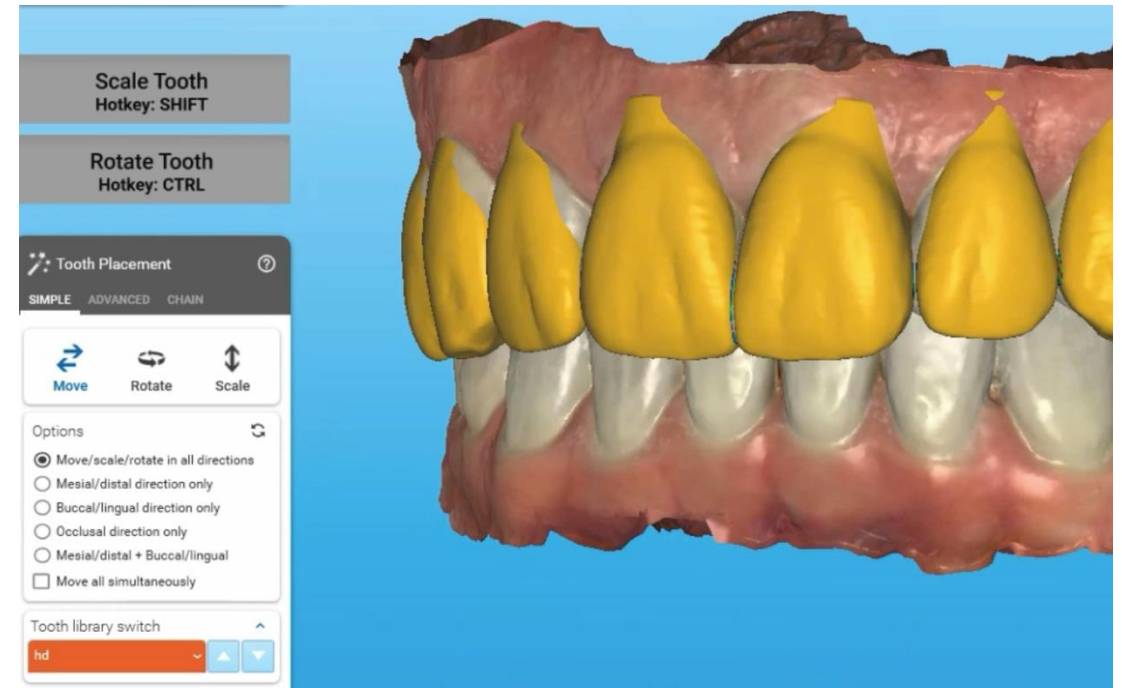
Step 3. Place tooth models

- Initial basic arrangement of beginning with the back teeth so the software can accurately adjust the tooth library.



Step 4. Tooth Placement

- Begin by positioning the circular discs to identify the most posterior tooth.
- Switch to facial view and operate in chain mode to position the anterior teeth using DTS Pro as a helper tool, then work backwards to set the posterior teeth.
- Use rotate tool prior to anatomic movements
- Utilize advanced tools for further refinement and consider individual tooth movements and modification.
- Get close, but there is still room for more modifications in Free-forming.
- Click>>Next

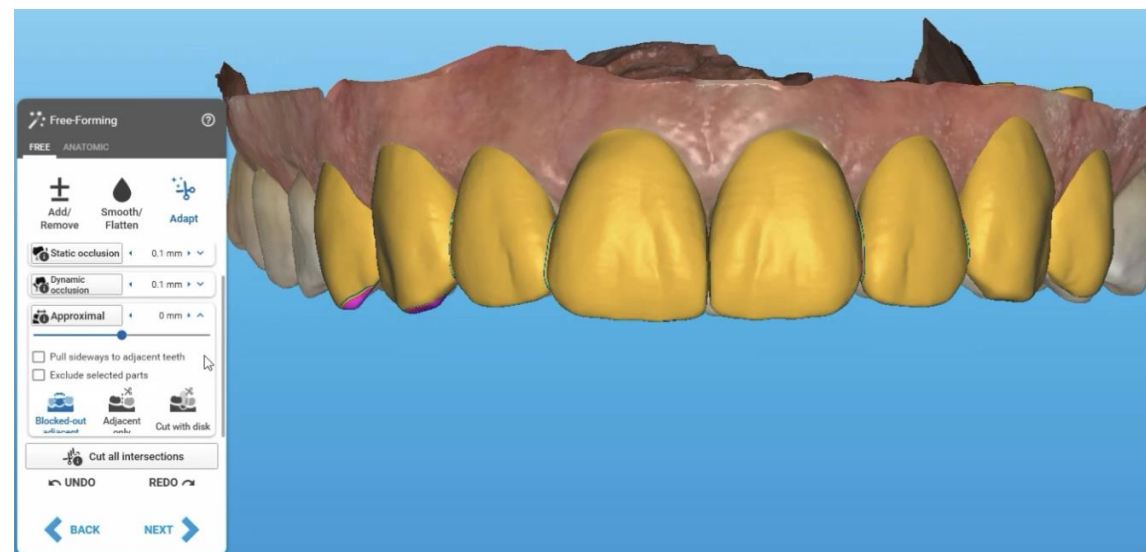


Things to look for

1. Rotations
2. Buccolingual positions
3. Diastemas
4. Wear
5. Incisal Edge positions

Step 5. Freeforming.

- Verify autocut intersections is turned off.
- Modify scan data can be used to virtually prepare teeth if there are areas that must be reduced to allow for adequate material thickness. Consider taking photo or screenshot of areas reduced, perhaps make lines to indicate areas reduced.
- Toggle Restorations on/off and compare to DTS prior to reduction.
- As you reduce tooth you will notice the restoration starts to overlay the tooth.
- Idealize occlusion canine guidance manually and do not allow the software to cut dynamic tooth movements. Verify by toggling dynamic contact on and off.



- Start with anatomic to make bulk movements
- Use freeforming tools to add/remove material and adjust intersections.
- Use knife tool to enhance morphology.
- Adapt – static occlusion only do not hit dynamic or canines may be cut away.

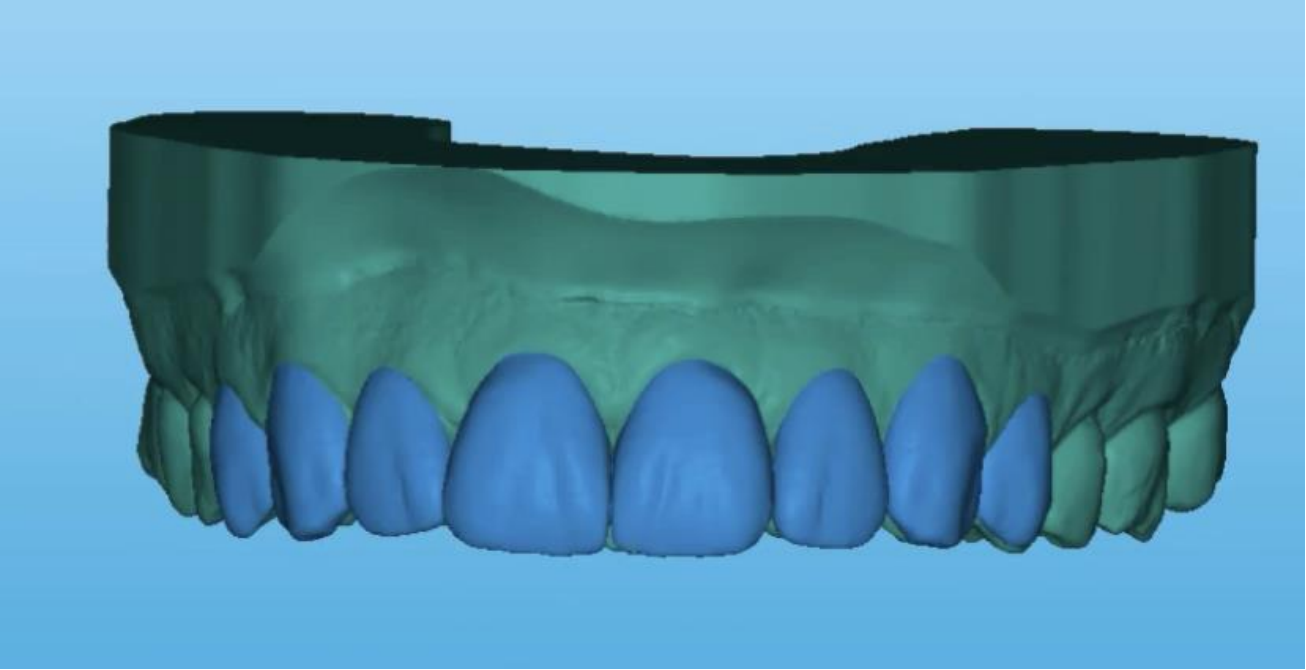
Step 6. Connectors

- Fabricating a Snap-On Mockup is generally the only situation where this becomes necessary.
- Snap-On Mockups are not ideal when virtual preparation is required.
- Design Suite often uses larger connectors compared to Exocad, which may need manual adjustment. Printing without connectors or by joining teeth is possible, but this approach might lead to errors or printing difficulties.



Step 7. Merge, Save & Print

Putty Matrix Model



Direct Try-in

