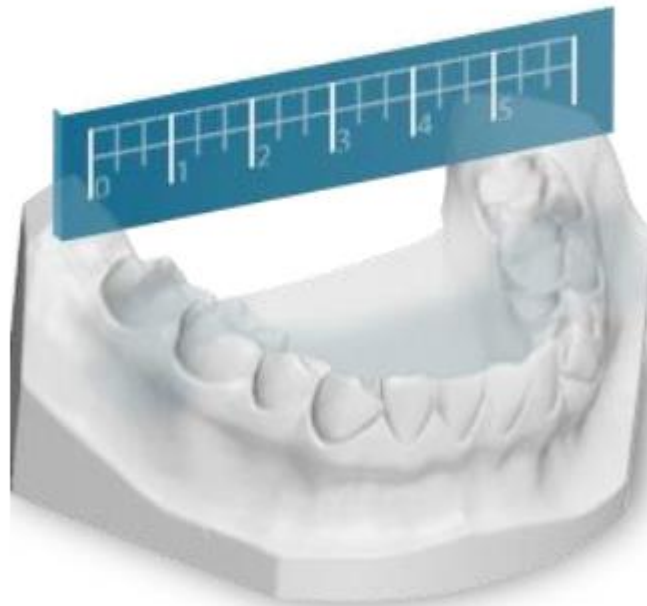


Virtual setup treatment by using OrthoAnalyzer 2012

3shape 

OrthoAnalyzer 2012



YU SE(11F)

C/C : Diastema



Setup Occlusion Plane

4.2.2 Setup Occlusion Plane



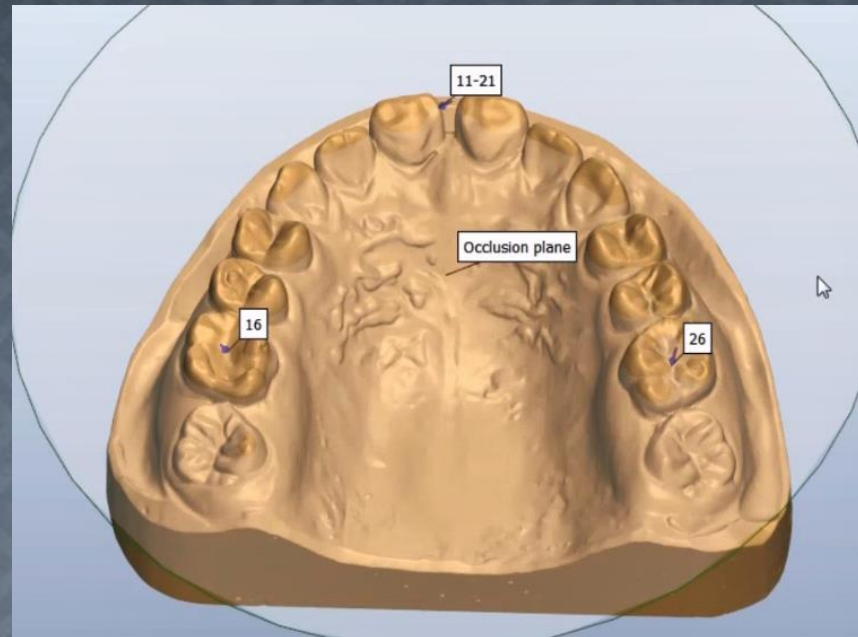
The **Setup occlusion plane** step allows you to place the occlusion plane that is used for the 2D measurements at the Analysis objects step (**Custom spline 2D**, **Measure 2D** and **Distance 2D**).

#16 Central point
of occlusal surface

#11-21 Central
point

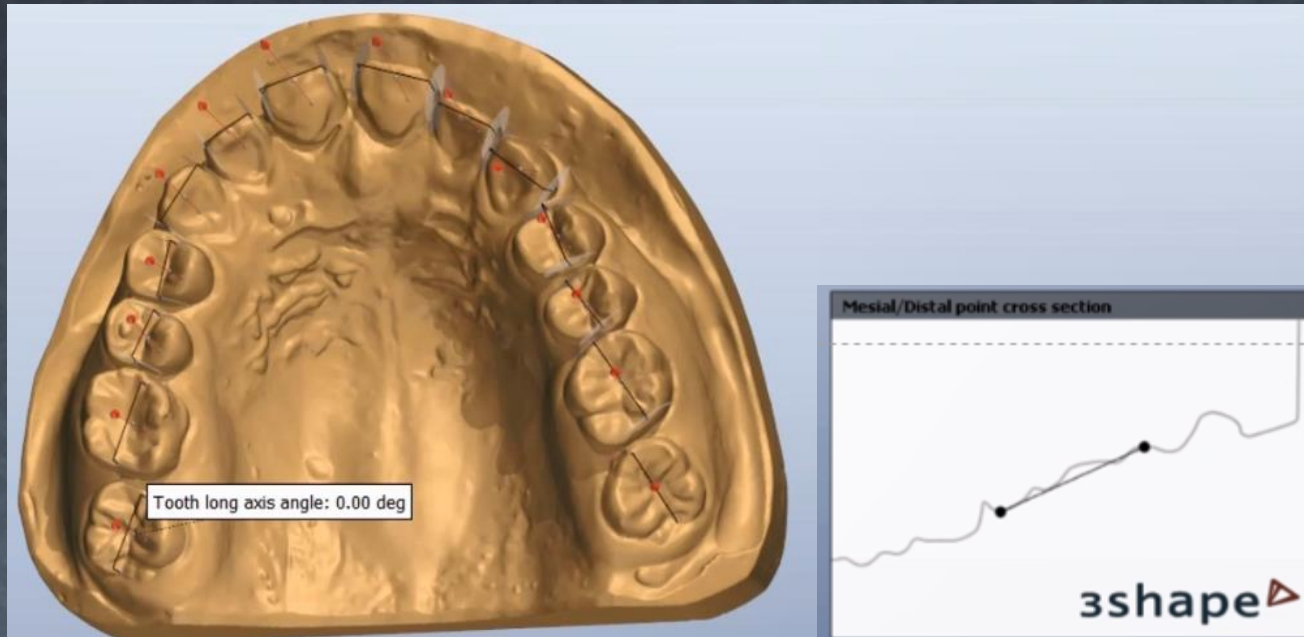
#26 Central point

-> Set up the
occlusal plane by
imputting 3 points

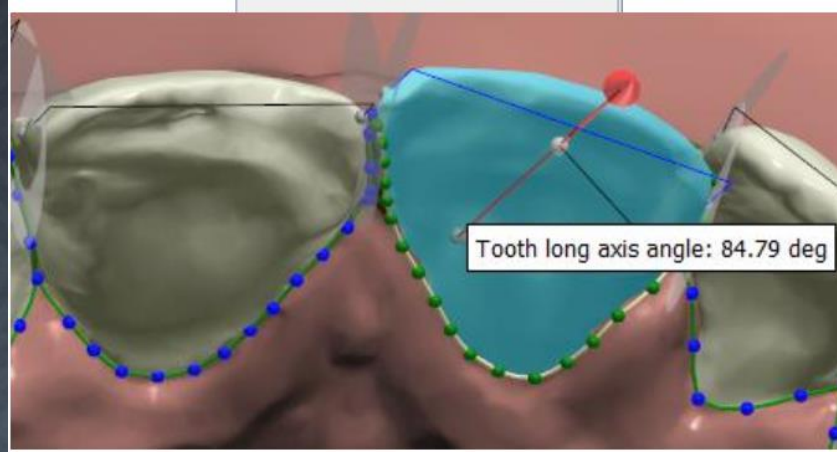


Preparation for both model

Set up the mesial and distal surface of individual teeth



Preparation for both model



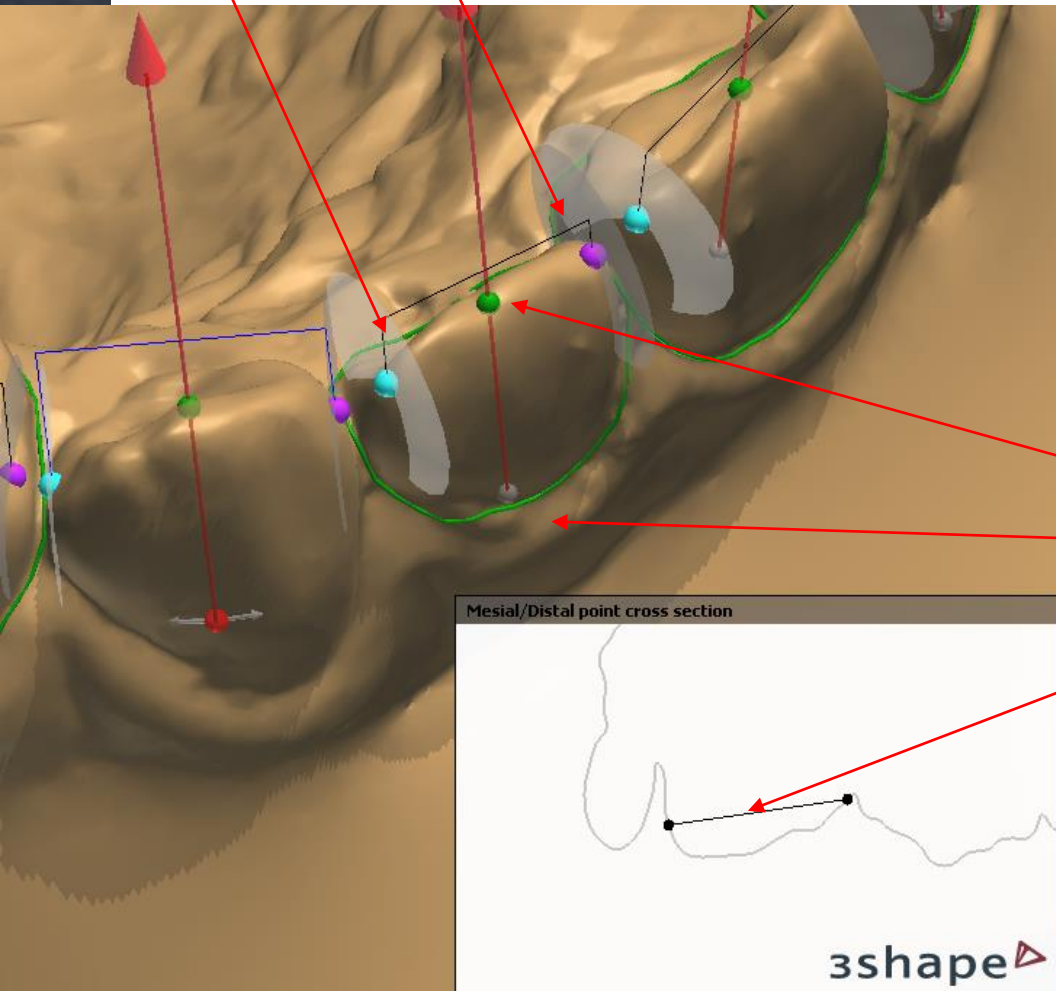
- When the tooth is set, the tooth axis is configured and the axis can be adjusted.
- Tooth long axis angle is the angle between the configured axis and the occlusal plane.

Virtual setup

Align the selected tooth

Mesial & Distal point

▶ Step 1: Align the selected tooth



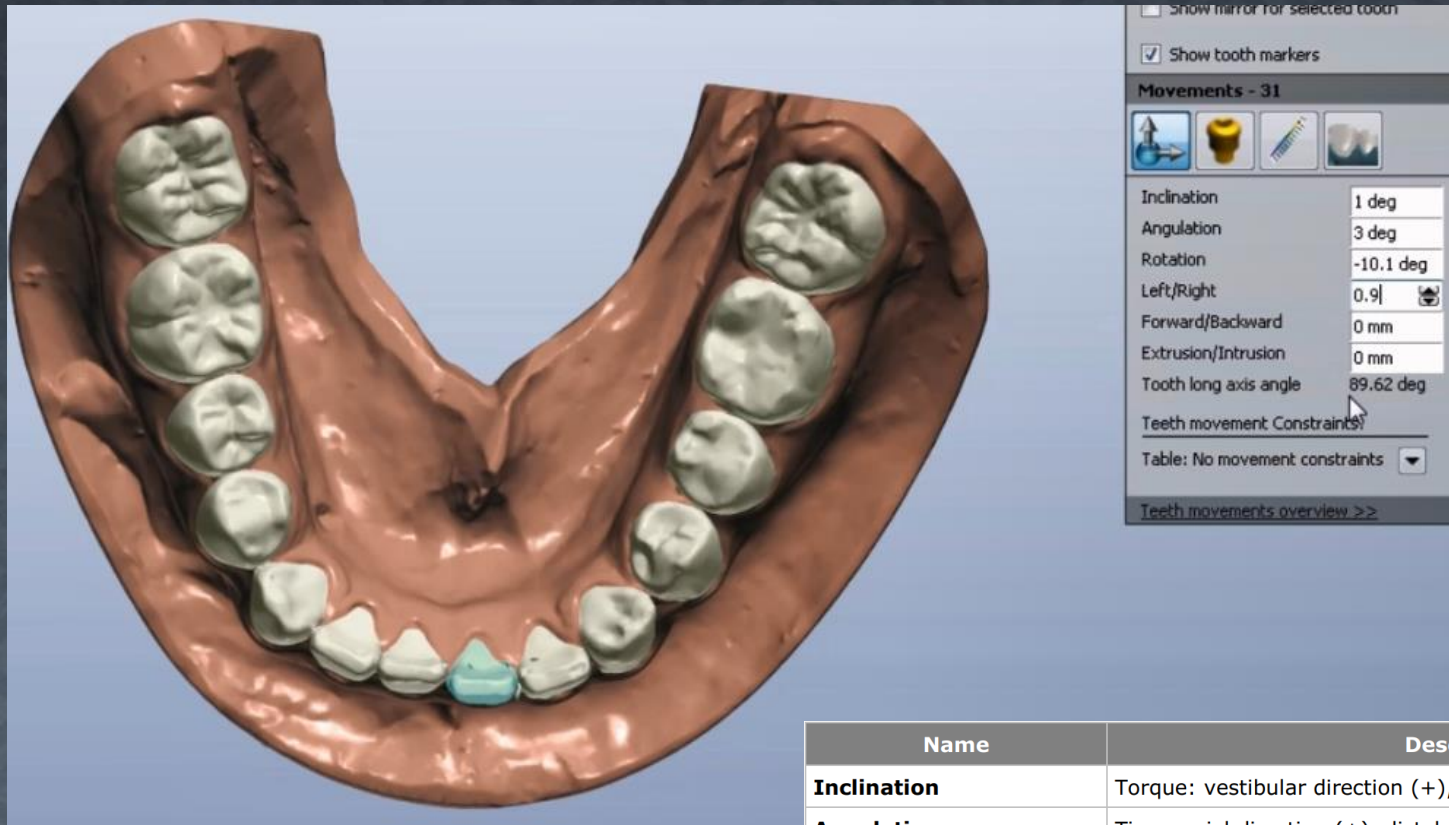
Central point configured
along the mesial and distal
points

Rotation center

Form a long tooth axis to pass
through the center of mesial and
distal points

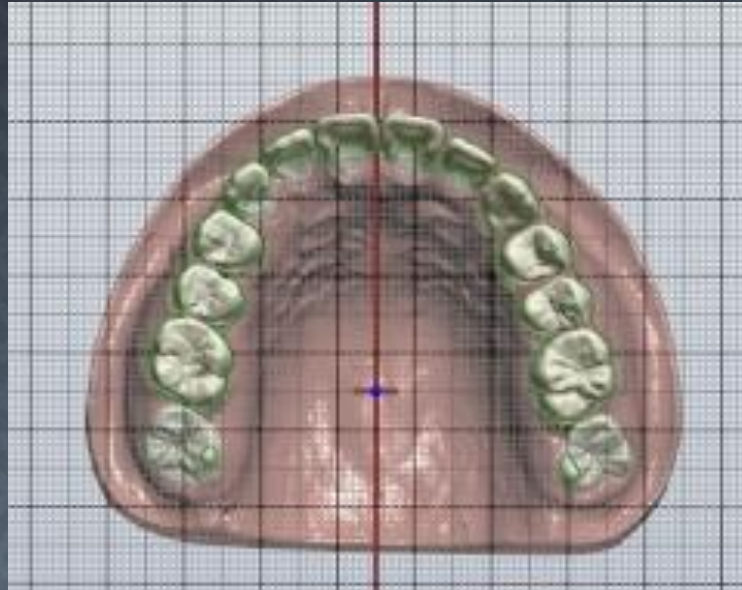
Virtual setup

Align the selected tooth



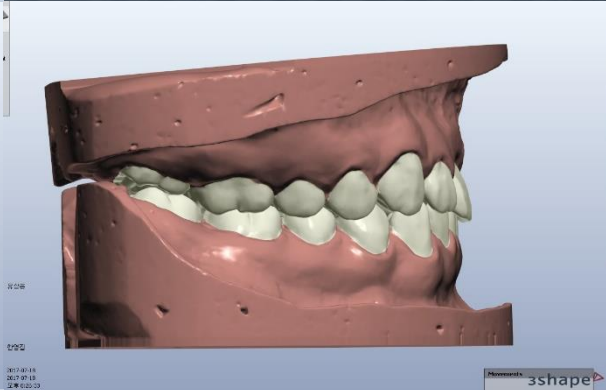
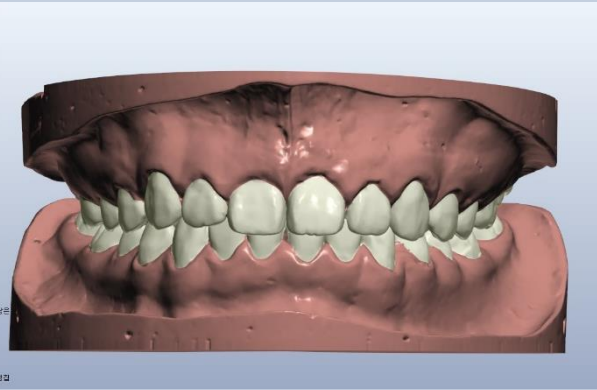
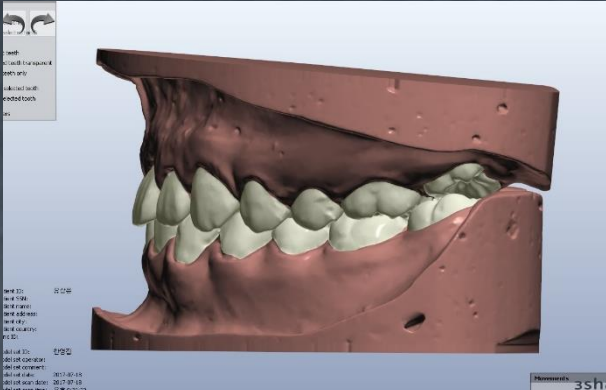
Name	Description
Inclination	Torque: vestibular direction (+), lingual direction (-).
Angulation	Tip: mesial direction (+), distal direction (-).
Rotation	Vestibular direction (+), lingual direction (-).
Left/Right movement	Mesial direction (+), distal direction (-).
Forward/Backward movement	Vestibular direction (+), lingual direction (-).
Extrusion/Intrusion	Extrusion (-), intrusion (+).
Tooth long axis angle	Displays the angle of the tooth long axis.

Virtual setup



Evaluation of symmetry using Grid

Virtual setup



3D printing

- Creating G-code file for 3D printing by using Simplify3D®

The image shows the Simplify3D software interface. The main window displays a 3D model of a dental arch (maxillary and mandibular) on a gray grid. The model is colored orange and yellow. The interface includes a menu bar (File, Edit, View, Mesh, Repair, Tools, Add-ins, Account, Help) and a toolbar on the right. The left sidebar contains a 'Models' list with two items: 'vs_2018-02-17_오래_11-...' and 'vs_2018-02-17_오래_11-...'. Below the models list are buttons for 'Import', 'Remove', and 'Center and Arrange'. The bottom left sidebar contains a 'Processes' table with one entry: 'Process1' of type 'FFF'. Below the processes list are buttons for 'Add', 'Delete', 'Edit Process Settings', and 'Prepare to Print!'. The right sidebar contains a 'Model Name' field with the value 'T1-59-50_maxillar'. Below this are three sections: 'Change Position' with X Offset (72.50 mm), Y Offset (60.87 mm), and Z Offset (9.20 mm); 'Change Scaling' with X (85.90 mm, 100.30%), Y (65.63 mm, 100.30%), and Z (27.26 mm, 100.30%) settings, and a checked 'Uniform Scaling' option; and 'Change Rotation' with X (90.00 deg), Y (1.00 deg), and Z (0.00 deg) settings. A 'Reset Position' button is located below the position settings, a 'Reset Scale' button below the scaling settings, and a 'Reset Rotation' button below the rotation settings. A 'Done' button is at the bottom of the right sidebar.

Simplify3D (Licensed to GOD)

File Edit View Mesh Repair Tools Add-ins Account Help

Models (double-click to edit)

- vs_2018-02-17_오래_11-...
- vs_2018-02-17_오래_11-...

Import Remove

Center and Arrange

Processes (double-click to edit)

Name	Type
Process1	FFF

Add Delete

Edit Process Settings

Prepare to Print!

Model Name: T1-59-50_maxillar

Change Position

X Offset: 72.50 mm

Y Offset: 60.87 mm

Z Offset: 9.20 mm

Reset Position

Change Scaling

Size (mm)	Scale (%)
X: 85.90	100.30
Y: 65.63	100.30
Z: 27.26	100.30

Uniform Scaling

Reset Scale

Change Rotation

X Rotation: 90.00 deg

Y Rotation: 1.00 deg

Z Rotation: 0.00 deg

Reset Rotation

Done

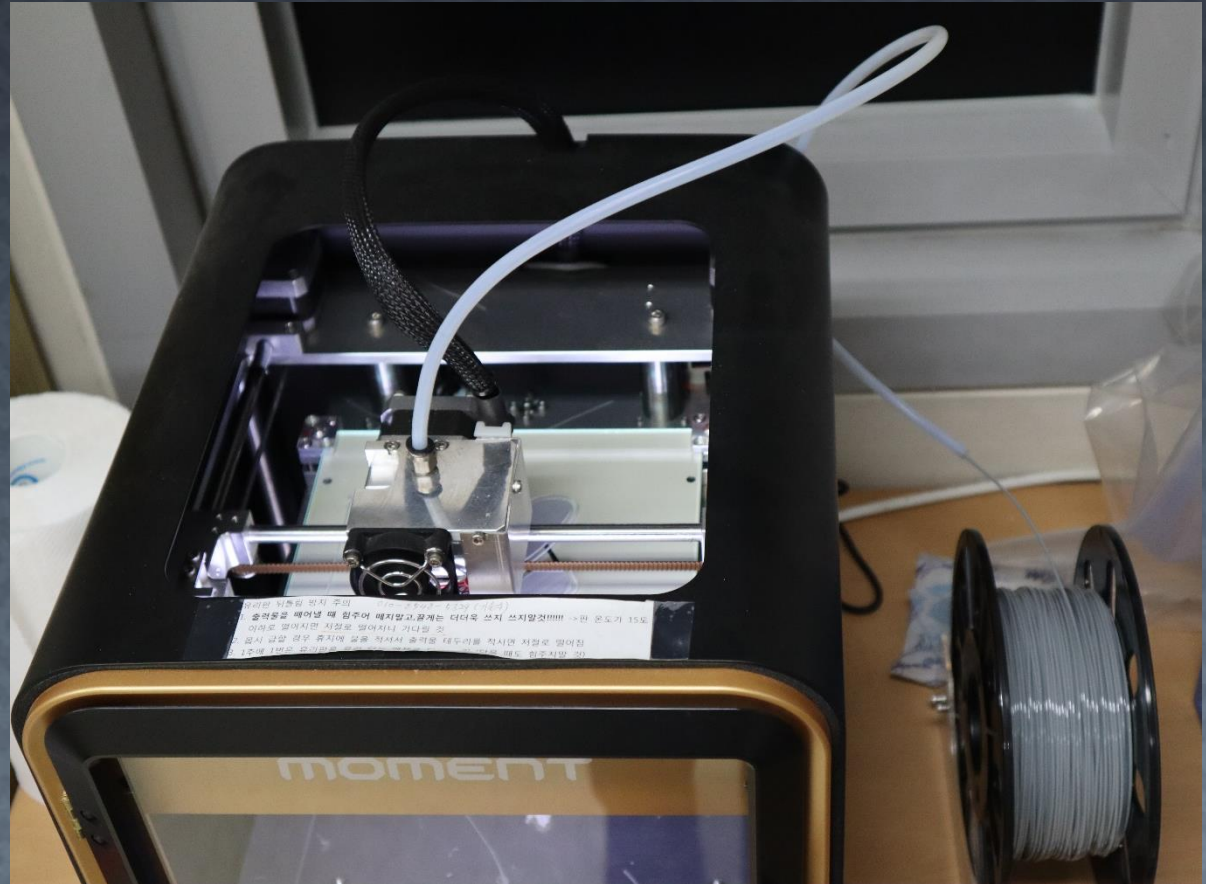
3D printing

Moment 1



PLA filament

- 3D printing (PLA type) using Moment1[®]



3D printing



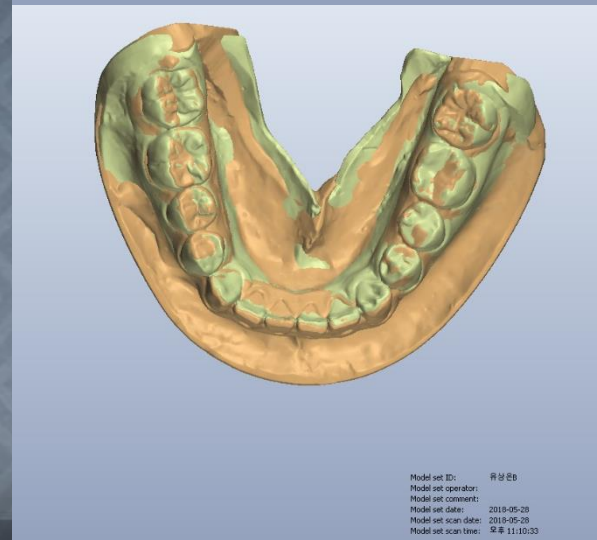
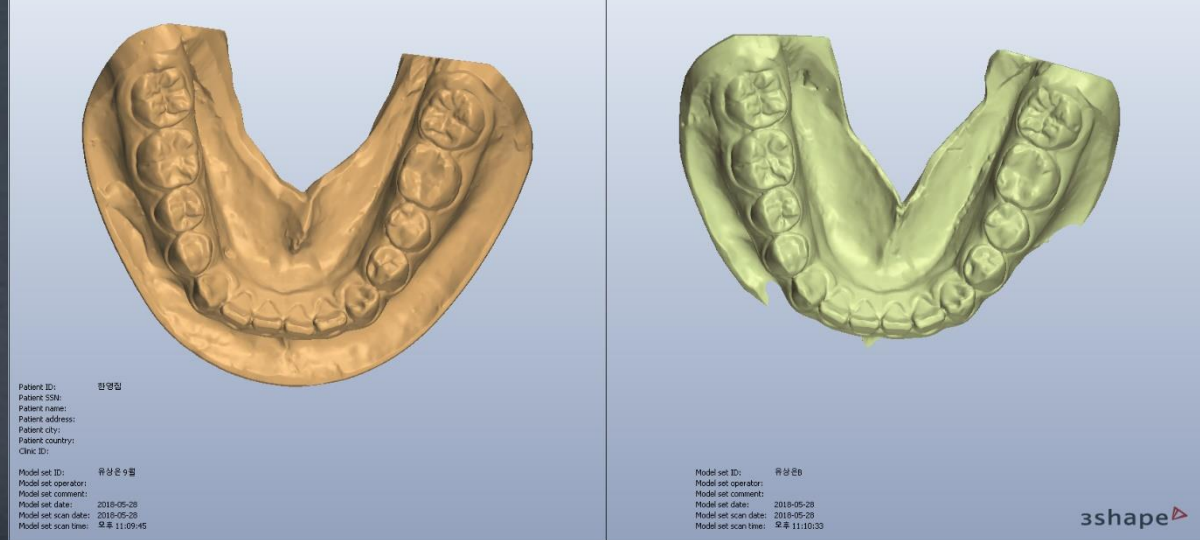
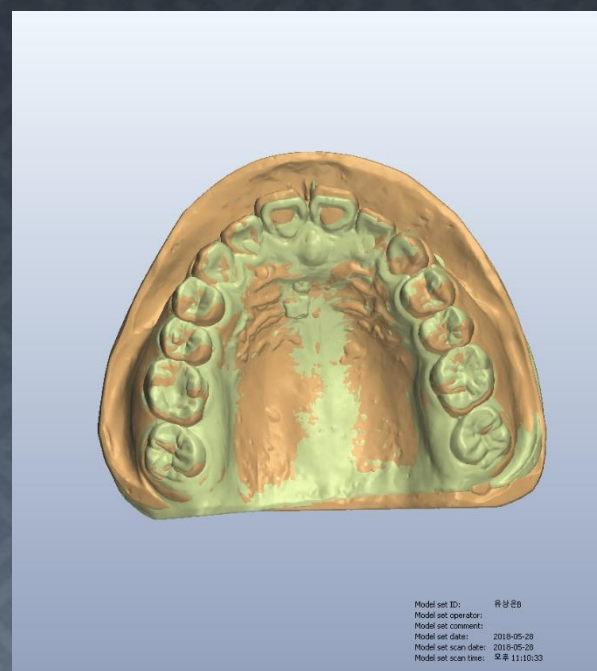
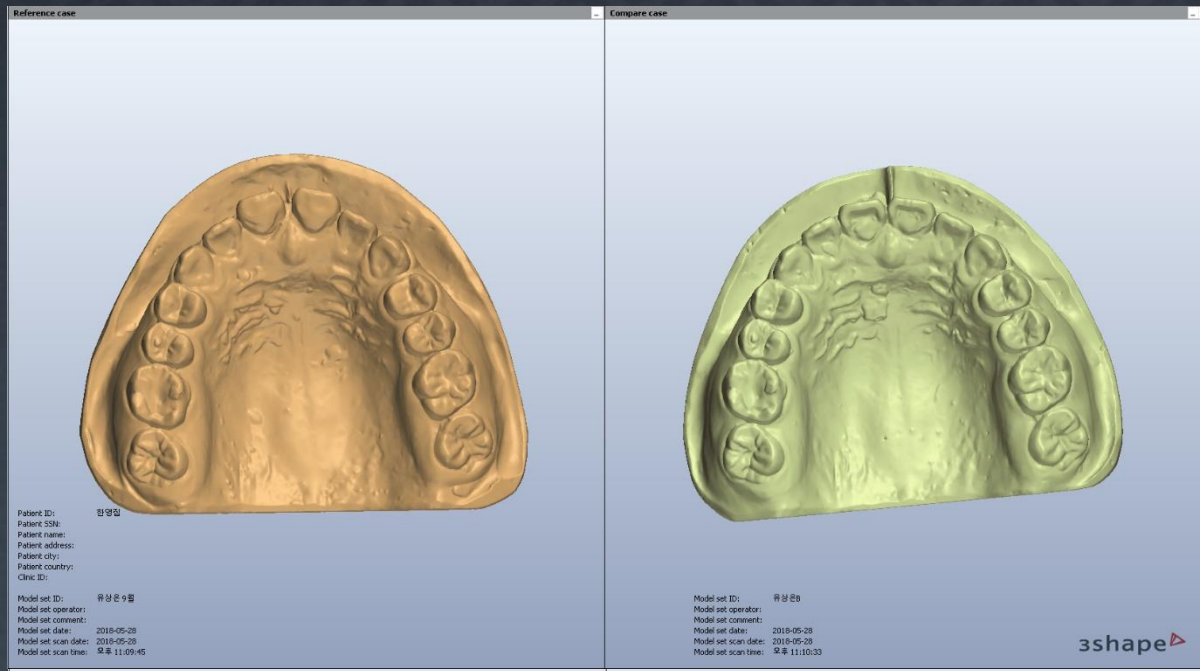
After tx.



Before

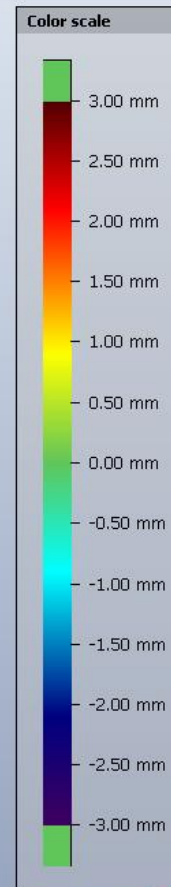
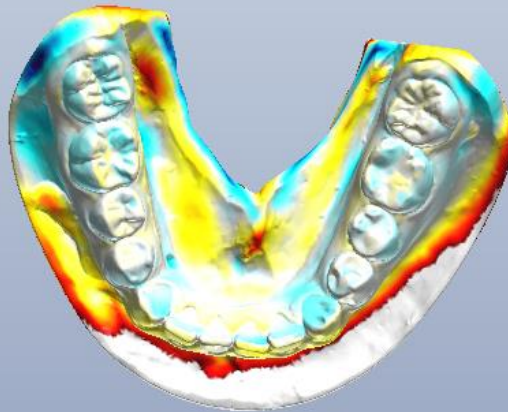
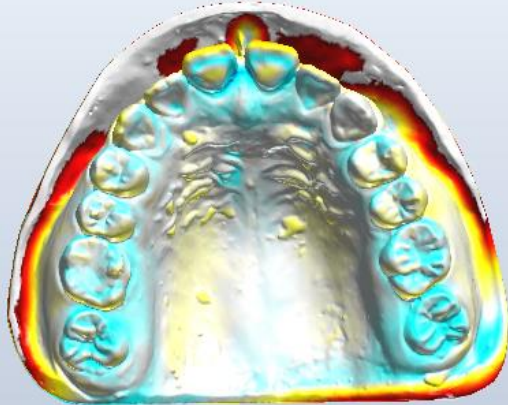
After Tx.

Superimposition



Superimposition

Visualizing of the movement distance when overlapping, using Color scale



Model set ID: 유상은B
Model set operator:
Model set comment:
Model set date: 2018-05-28
Model set scan date: 2018-05-28
Model set scan time: 오후 11:10:33