

FDW

MAGAZINE

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FDW - Full Digital Workflow
Dentist Jan Kurtz-Hoffmann &
CDT Miladinov Milos use
FDW on daily basis.

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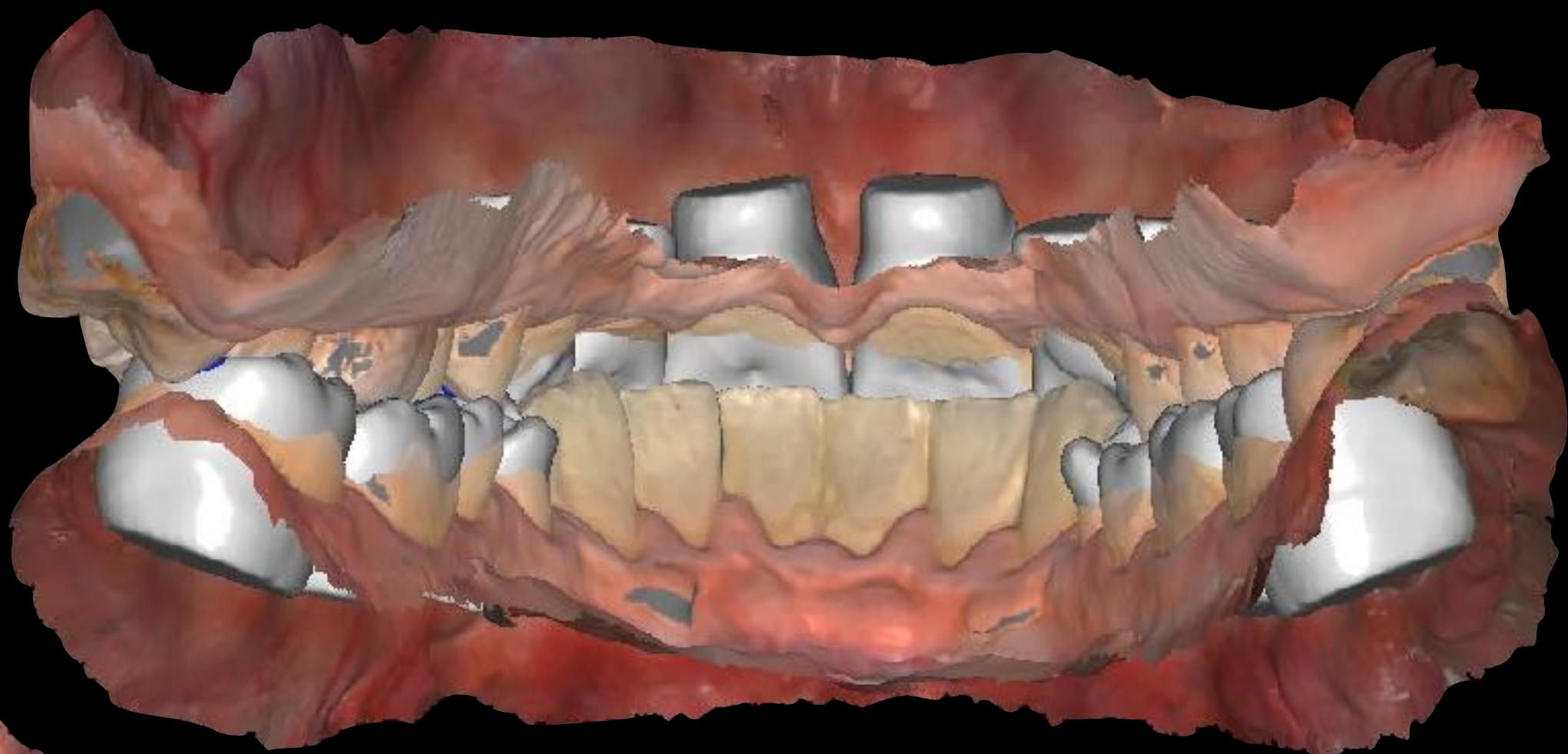
IOS Medit i500 impression

First step IOS scan of our patients situation, document the case and we get ready for motivational mock-up.



VDO increased 2mm

Second step is to increase VDO with 2mm due to deep bite. So we design in EXOCAD 6 palatal veneers for upper anteriors, and 8 occlusal tabletops for lower posteriors and we print full models.



Functional too

Making restorations functional too, using bennet angle measurements from facce scanner virtual facebow and integrating them in EXOCAd in virtual articulator.

SHOW/HIDE

Jaw scans

Full anatomic

Model

TEETH

Upper arch

Lower arch

HIDDEN

Show all

Distance visualization temporarily disabled

Articulator movement disabled in this step

Articulator

ARTICULATOR OPTIONS

Articulator type

Type_A

Rearticulate models virtually

Choose which teeth influence articulator movement

Show articulator

Use Model

JAW TO ADAPT

upper

lower

MOVEMENTS

PARAMETERS

Adjust the values as in your real articulator.

LEFT

RIGHT

Bennett angle

10

10

Immediate sideshift

0.5

0.5

mm

Condylar angle

35

35

Opening of bite

Positive value means higher bite

2

mm

SCAN DATA INTERSECTIONS

Warning: Antagonist data was modified to remove intrusions of 0.007 mm.

Visualize intersections?

Preparing articulator movements...

Retrusion will be executed with Bennett angle 0

exocad

TeamViewer

Free license (non-commercial use only)

Session list

DESKTOP-8MV69QP (1 171 854 662)

Save

Wizard

Tools

Articulator

Show distances

TruSmile

Color/Texture

Cut view

SHOW/HIDE

Jaw scans

Full anatomic

Model

TEETH

Upper arch

Lower arch

HIDDEN

Show all

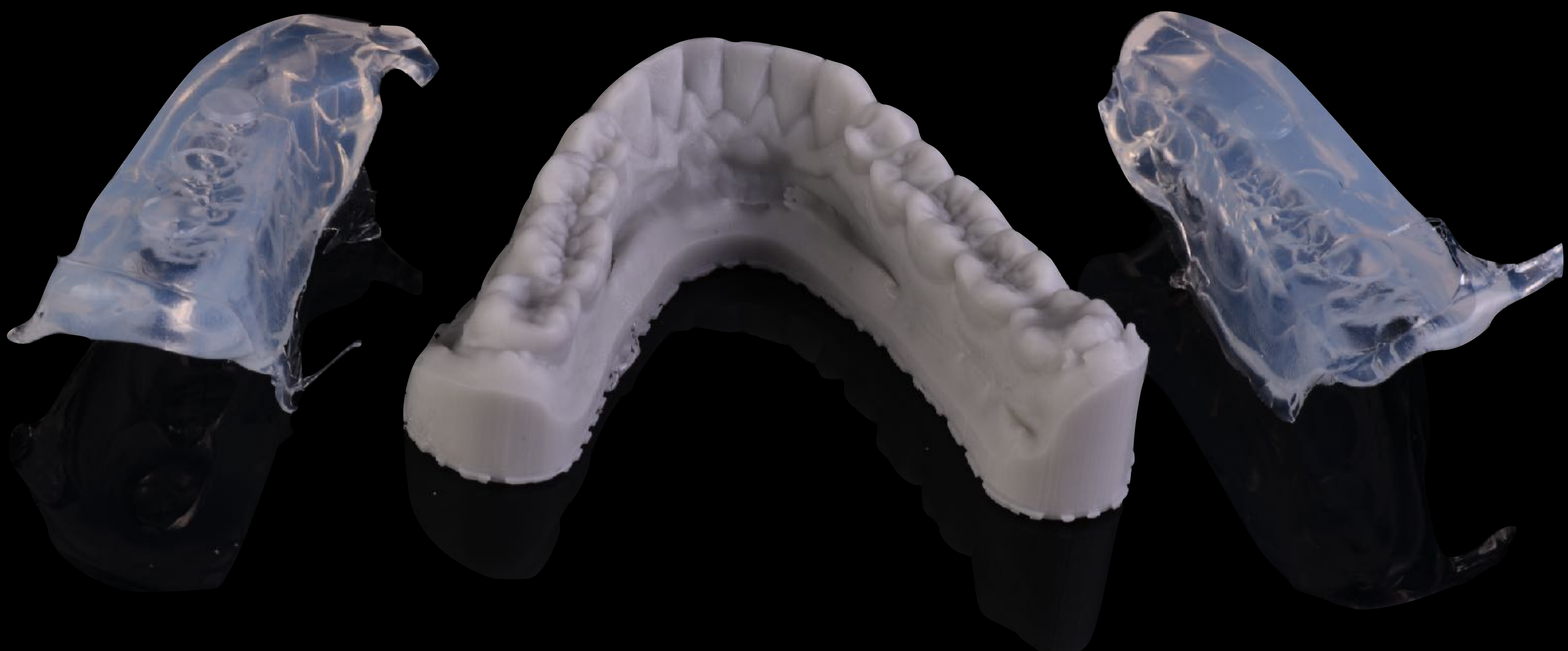
Color scale

1 -0.64 -0.58 -0.51 -0.45 -0.39 -0.33 -0.27 -0.21 -0.15 -0.09 -0.03 0

3D model of teeth

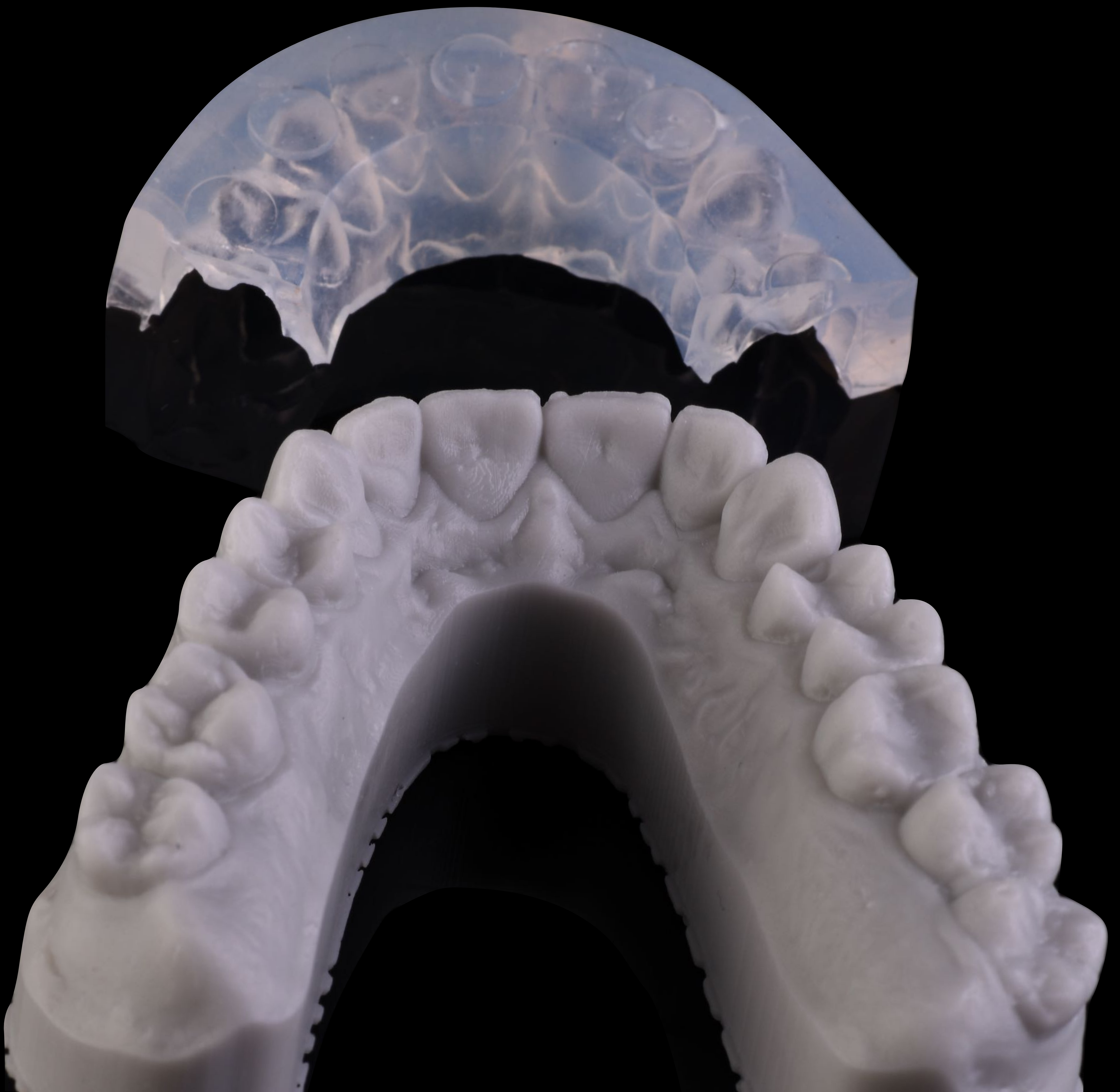
Step 3 - injecting flowable composite

First we have to increase VDO using printed models, Anaxdent matrix silicone, flowable composite technique and Ivoclar Evo Flow.



Increasing VDO

We add palatal veneers using flowable composite techniques and the same occlusal tabletops for lower jaw in posterior area.



Face scan using AFT face scanner

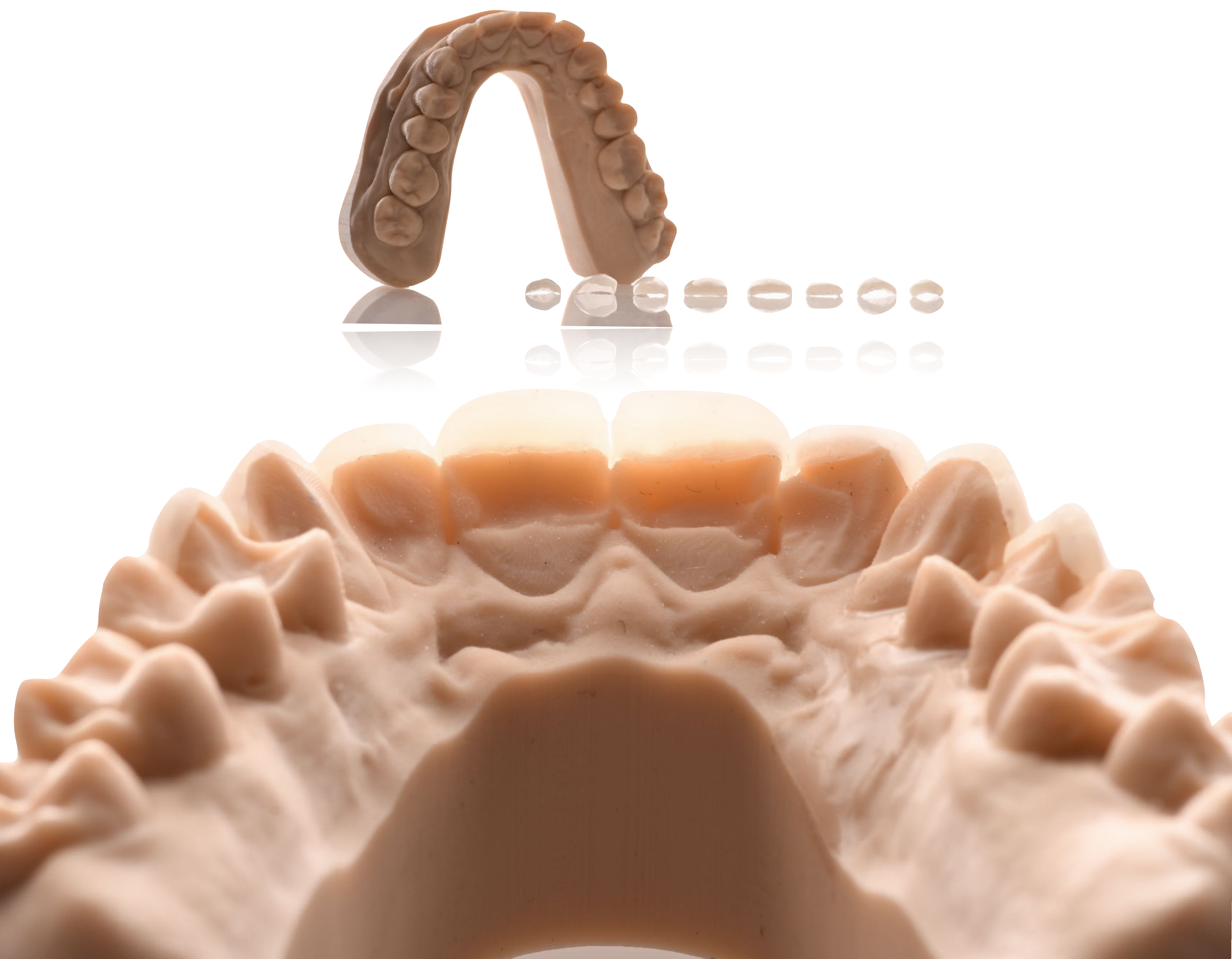
So we can make facially guided restoration and also functional , we use face scanner as a digital facebow. We use scan body mouth to reproduce same position of the patient maxilla.





Asiga chairside printer - motivational mock-up

To be able to sell the case we need a motivational mock-up. In this case we print veneers one by one with desired design and we place it in the mouth for photos.





Placing of the veneers using try-in gel

To be able to make photos we need try-in gel to fix the veneers. We used asiga try-in A1 resin.





Comparison photos

We check that our design is correct doing also 12 o'clock photos.









Patient approval

After patient approval we decide to continue with small changes in the new design for final veneers.



Minimum invasive preps

Minimum invasive preps for digital impression are no problem anymore. Only problem can be milling the veneers, and accuracy of the details when milling.



Empress multi by Ivoclar

Ultra-thin veneers done with empress multi B1 from ivoclar. Thickness around 0,3-0,7. In this case we used PrograMill ONE 5 axis machine.





Try-in phase

Checking the fit of the final restorations and the color in the mouth.



Try-in photos

First shots with our new smile.











Adhesive cementation
Using Variolink
Esthetic DC for
adhesive cementation
for Empress veneers.



