

Esthetic Reconstruction

Temporaries



**Kettenbach
Brasseler**

Think Big
Life is Limitless

MikeSmith

The Biting Edge

FAMILY DENTISTRY

AESTHETIC, CONTEMPORARY RESTORATIVE,
ORTHODONTICS & COSMETIC REHABILITATION
THREE GENERATIONS IN ARIZONA

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The New Generation of Dental Education.

The Biting Edge™

Your Temporary is the Blueprint to your Reconstruction Success

Plan
Design
Execute
Deliver
Form
Function
Esthetics
Patient conformation





TM

Does your redesign work esthetically and functionally



Early decisions to make

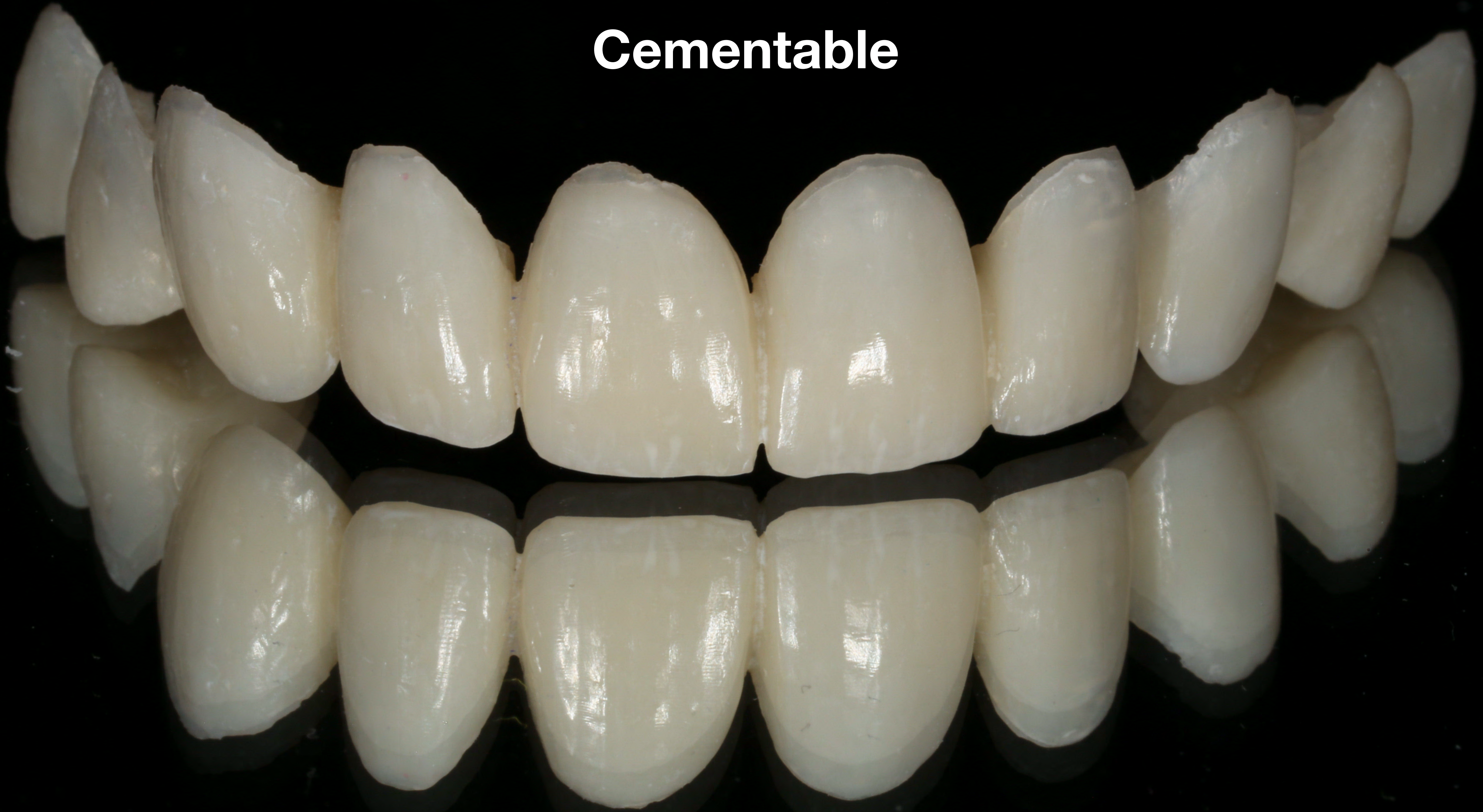
- Shade
- Highlights and characteristics
- Cementable
- Shrink wrap
- Additions or changes from wax up or pre design
- Re-evaluation appointment



Gold Dust



Cementable



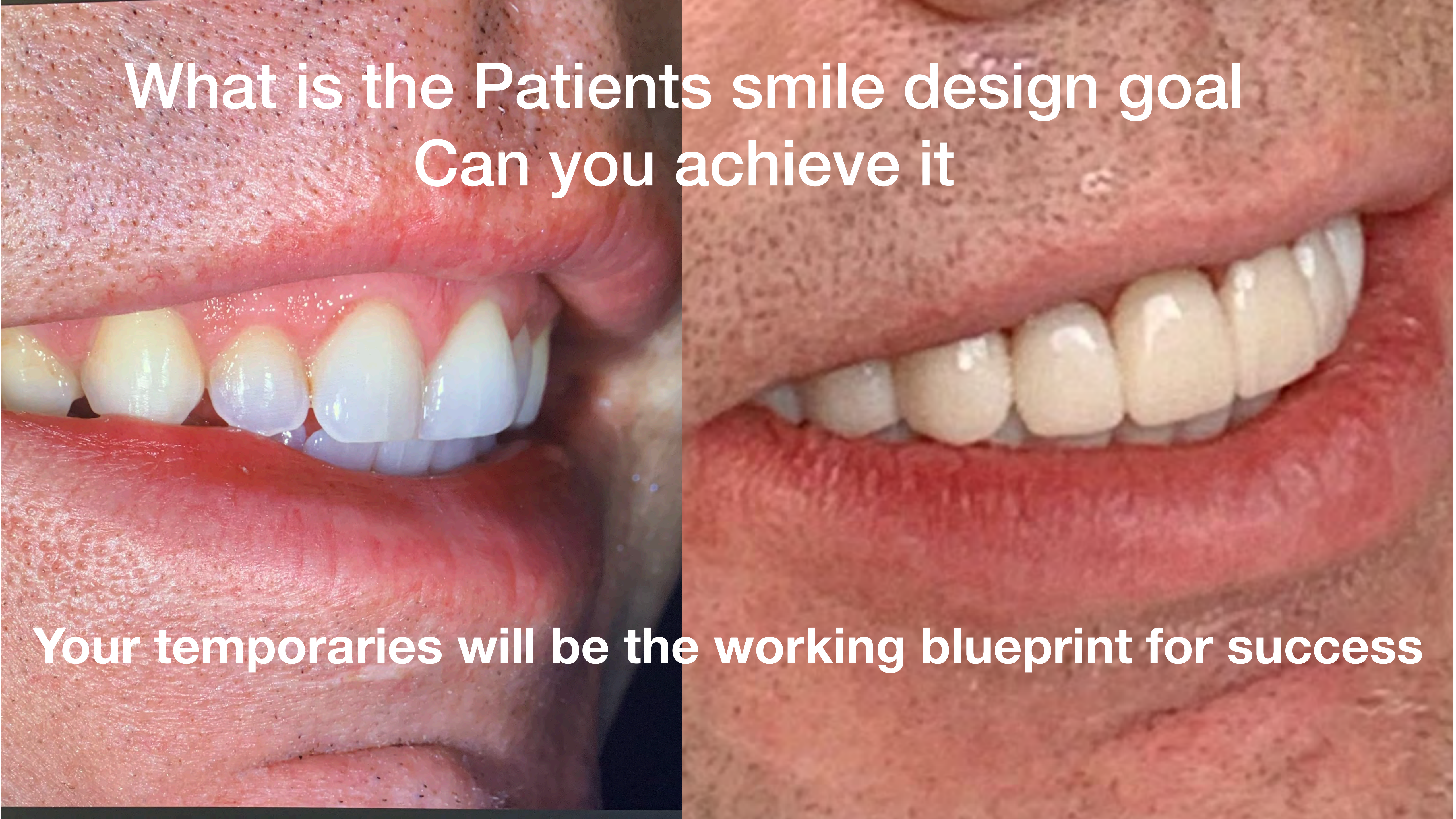
Your Temp drives the outcomes for the case

What changes do you need to make to achieve the final ceramic result



Final results after modifications in temporaries to ceramics





**What is the Patients smile design goal
Can you achieve it**

Your temporaries will be the working blueprint for success

Temporaries

The Working Blue Prints

Trial run

- The temporary helps to establish shade parameters
- Texture and morphology
- Shapes, lengths, positions, incisal edge, Buccal corridor, lip support, phonetics
- Vertical and joint mechanics
- Occlusion, guidance, occlusion time, disclusion time, chewing function







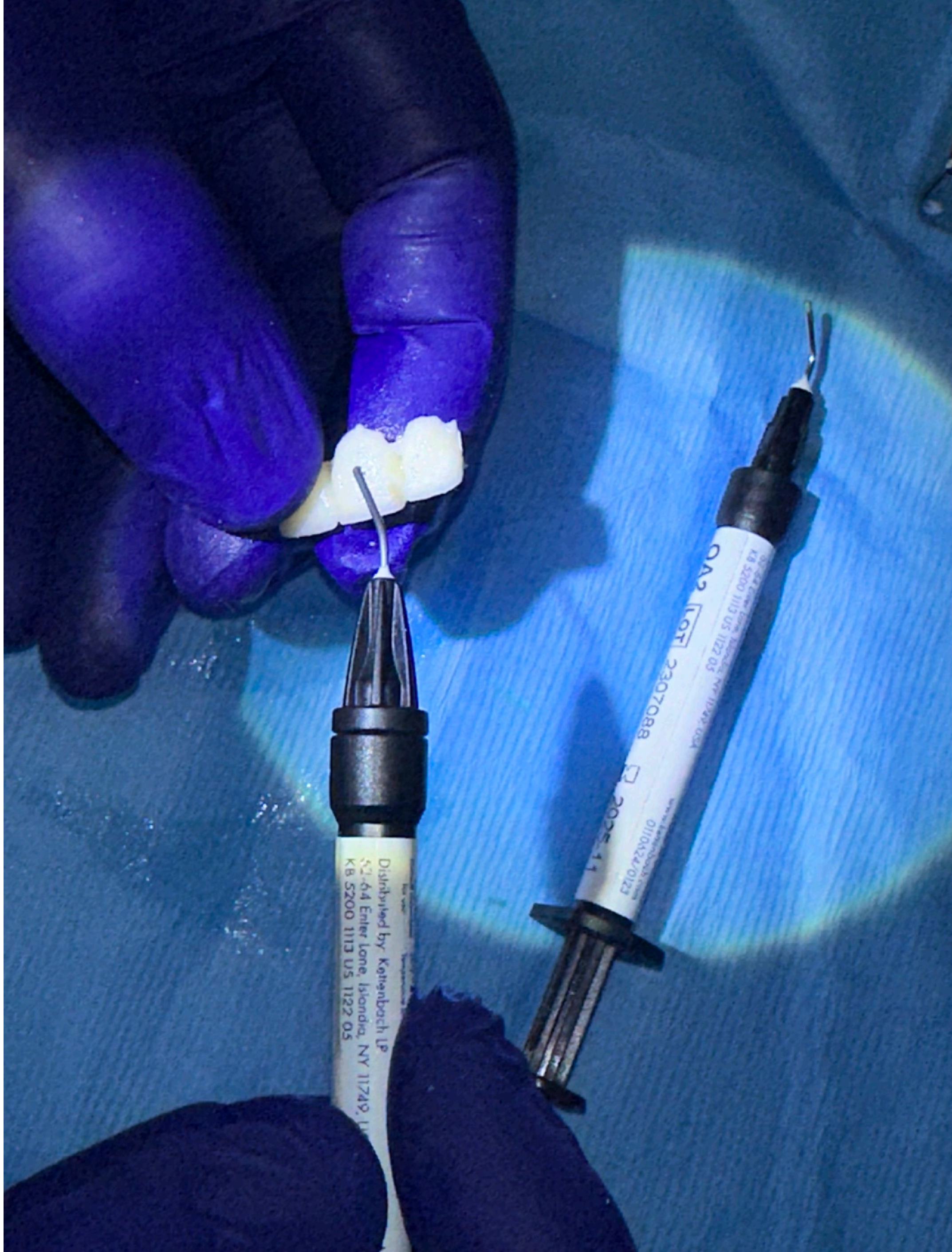
VISALYS[®] FLOW

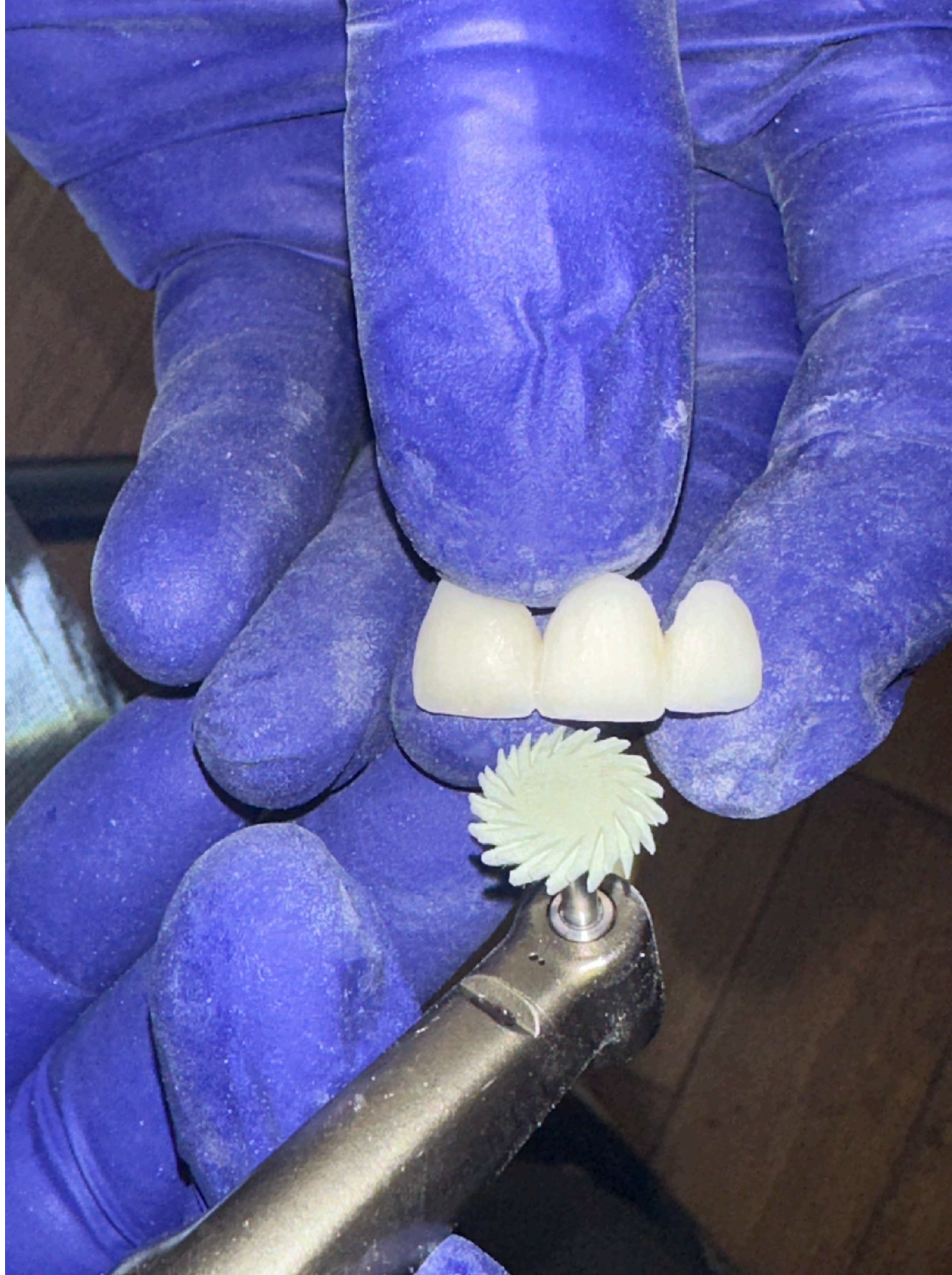
Flowable universal nano-hybrid restorative material















Chairside Direct Design

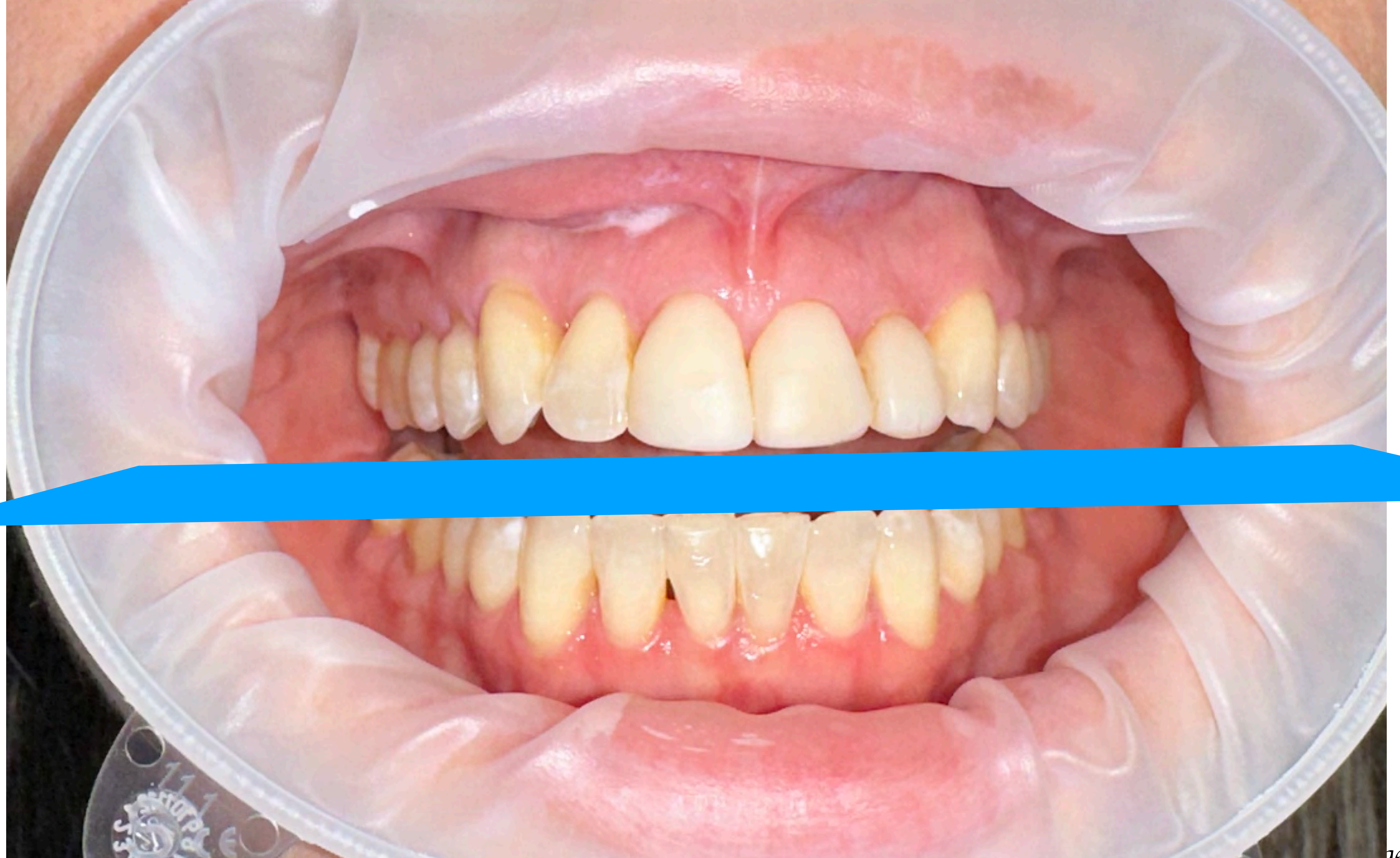
Mock Up to New Design
Copy
Prep
Temporize





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Closed Flap Crown lengthening



Composite Redesign Mock Up



This will be your new design for temporaries



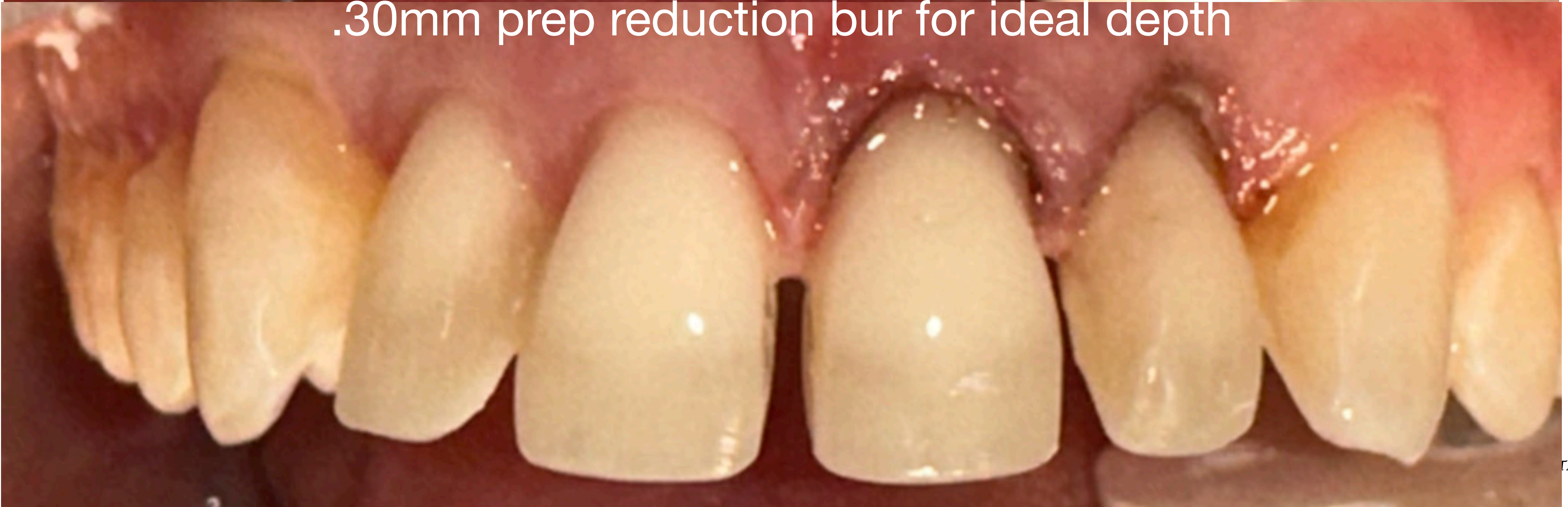
Futar Clear Fast to Copy



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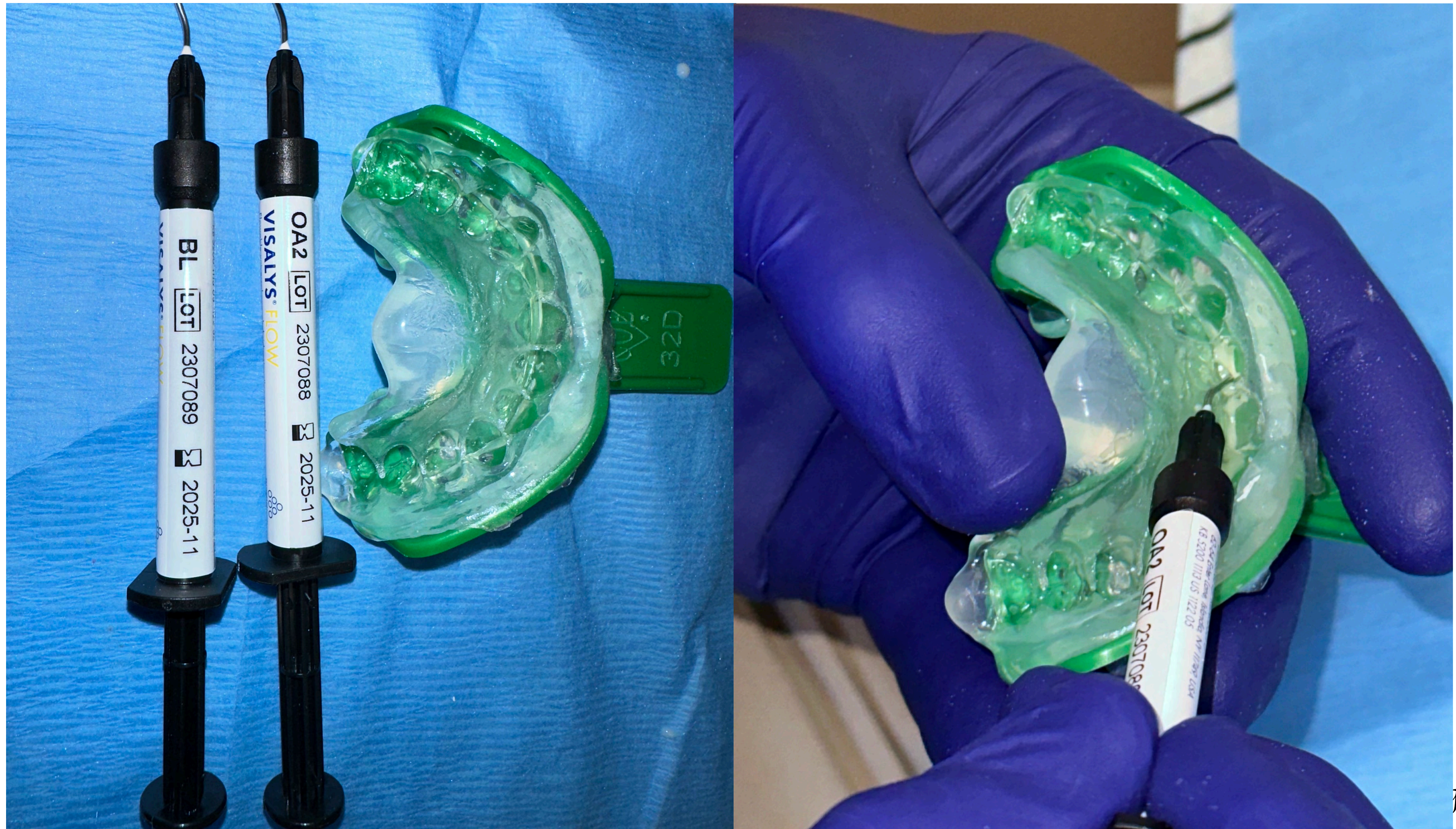


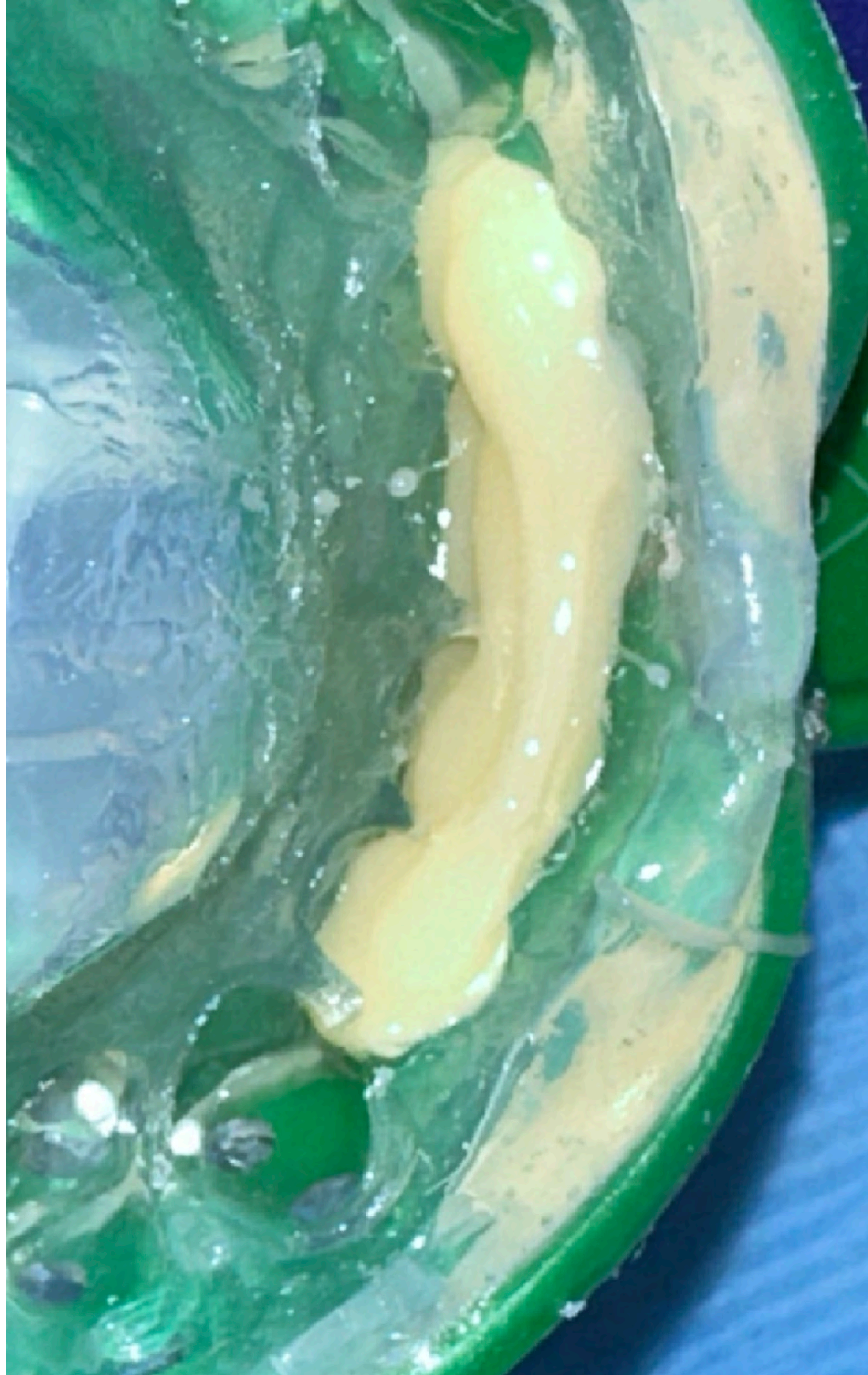
.30mm prep reduction bur for ideal depth



Visalys Flow

Layer incisal and facial line angles for addition highlights





















Hands On Case 1

Anterior Veneers

7-10 Mock up re-design

Futar Clear Fast Copy

Fabricate layered temporaries

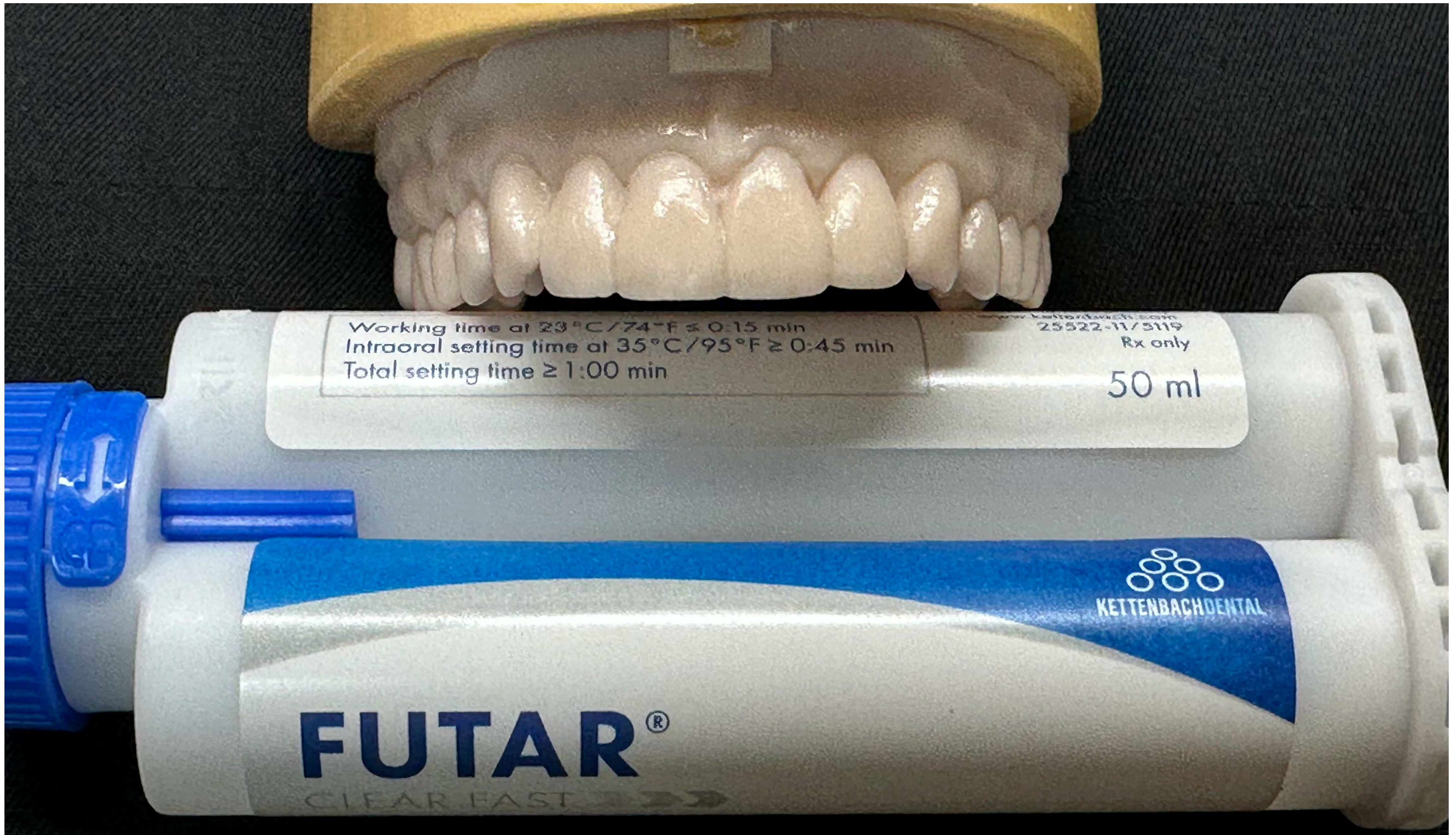
Visalys Flow highlight layers

Visalys Temporary

Shrink Wrap on model

Adjust, polish





Working time at 23°C/74°F ≤ 0:15 min
Intraoral setting time at 35°C/95°F ≥ 0:45 min
Total setting time ≥ 1:00 min

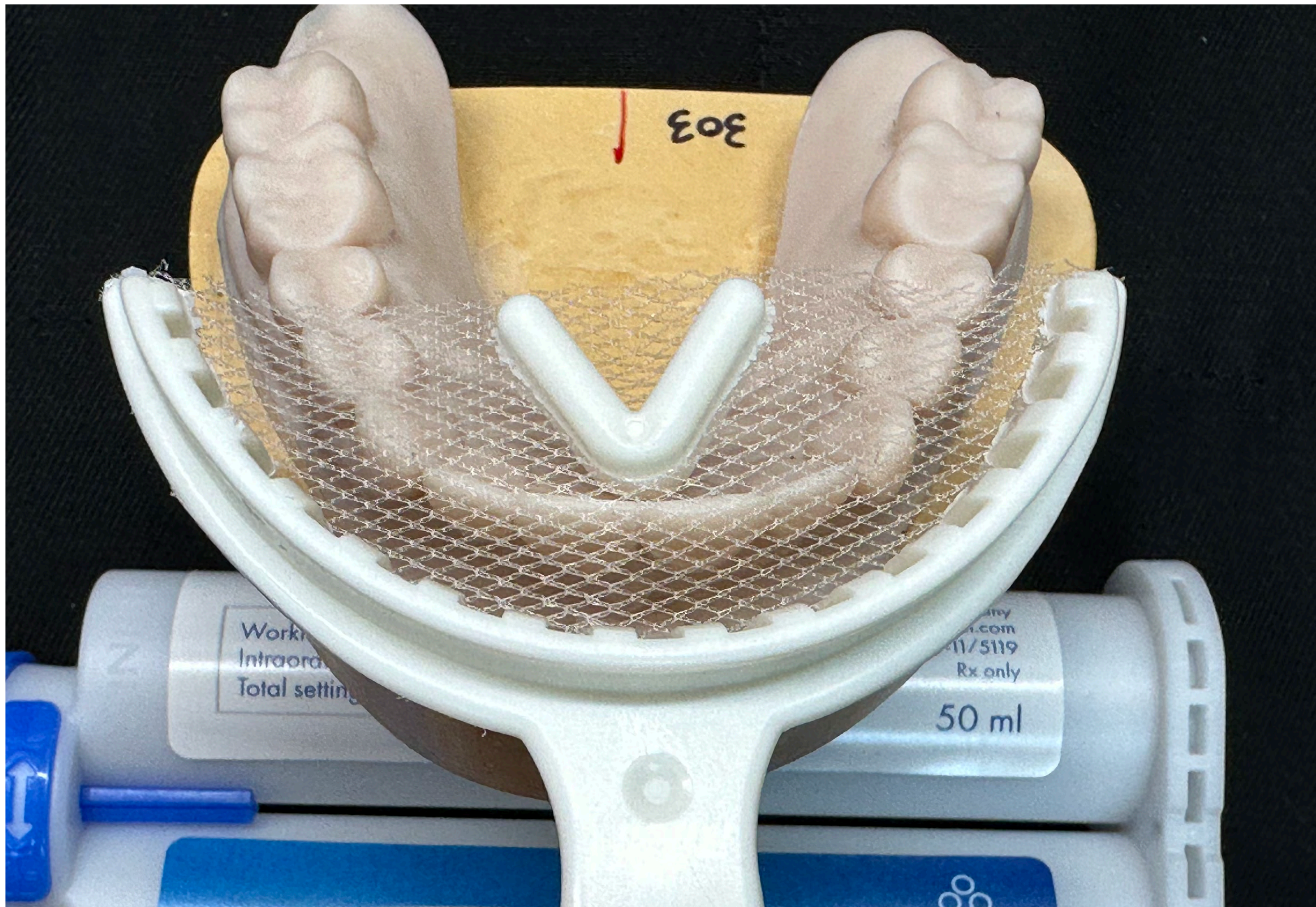
www.kettenbachdental.com
25522-11/3119
Rx only

50 ml


KETTENBACHDENTAL

FUTAR®

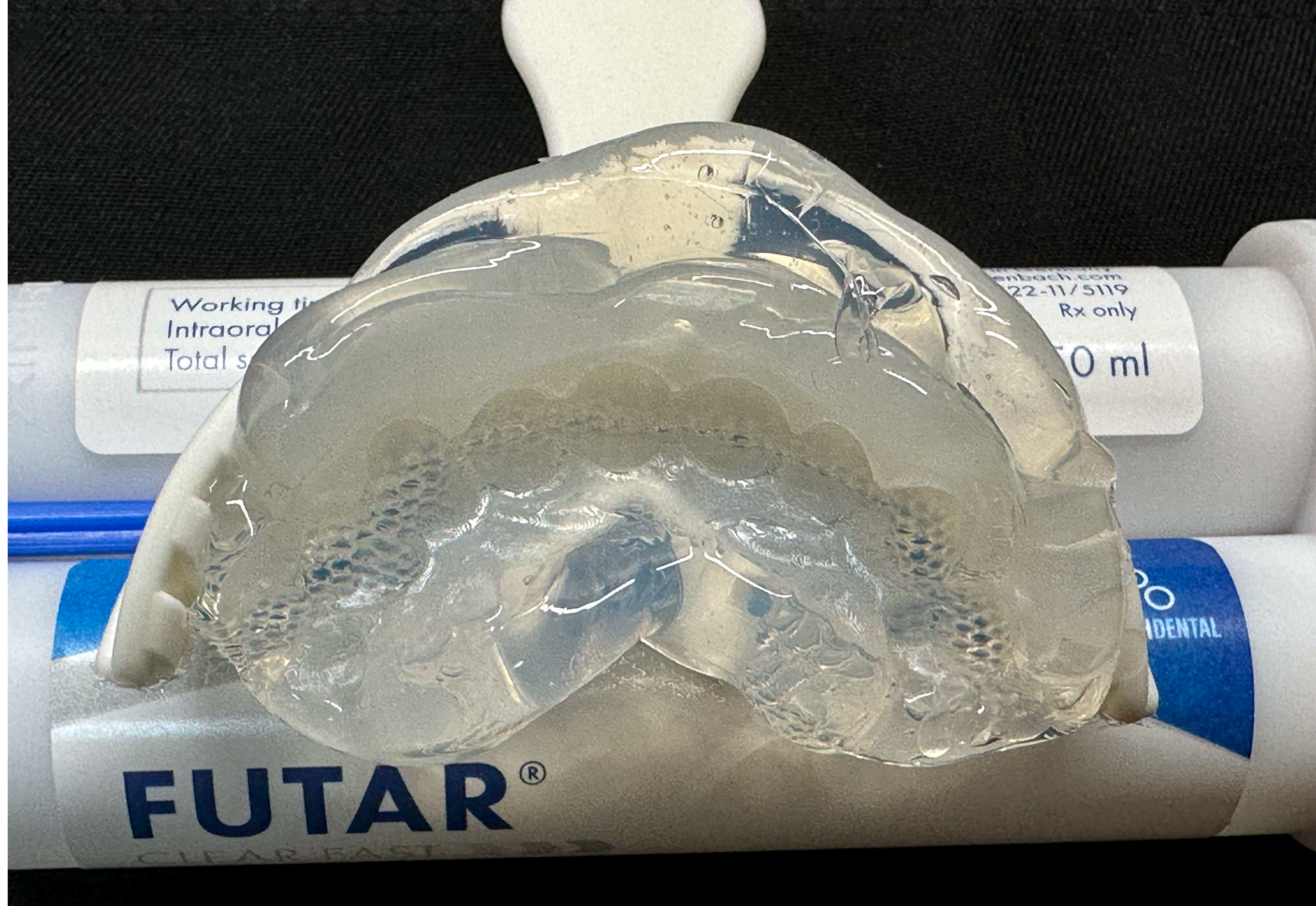
CLEAR FAST



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FUTAR[®]



CLEAR FAST

Bite registration material

Vinyl polysiloxane (VPS)

 **Manufacturer:**
Kettenbach GmbH & Co. KG
Im Heerfeld 7
35713 Eschenburg, Germany

 use-by
date 2024-10-31



More flex of the tray is better for Shrink Wrap Temporaries



A rigid tray is better for cementable temporaries



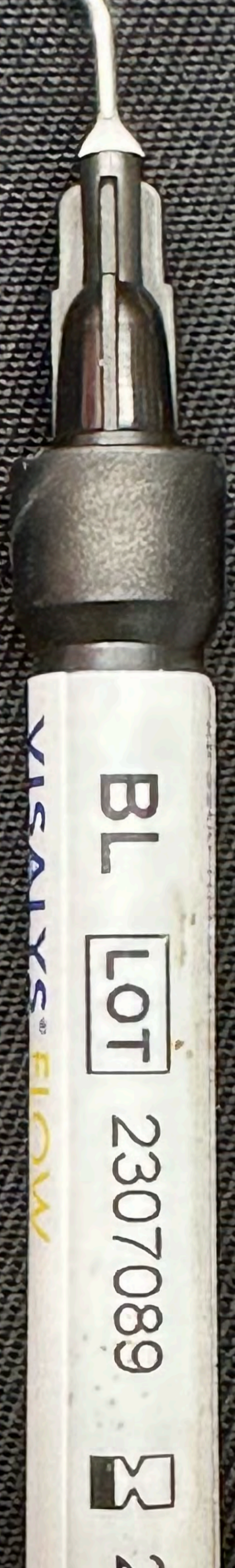
Used for Cementable Temporaries

Has anti bacterial properties

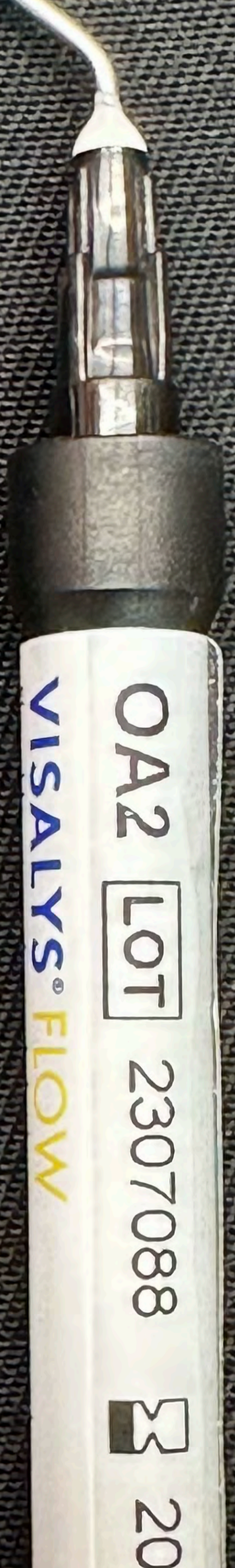
Bonds to the temporary materials for easy clean up

Has to be light cured to get adhesion bond





BL LOT 2307089



O A 2 LOT 2307088



20

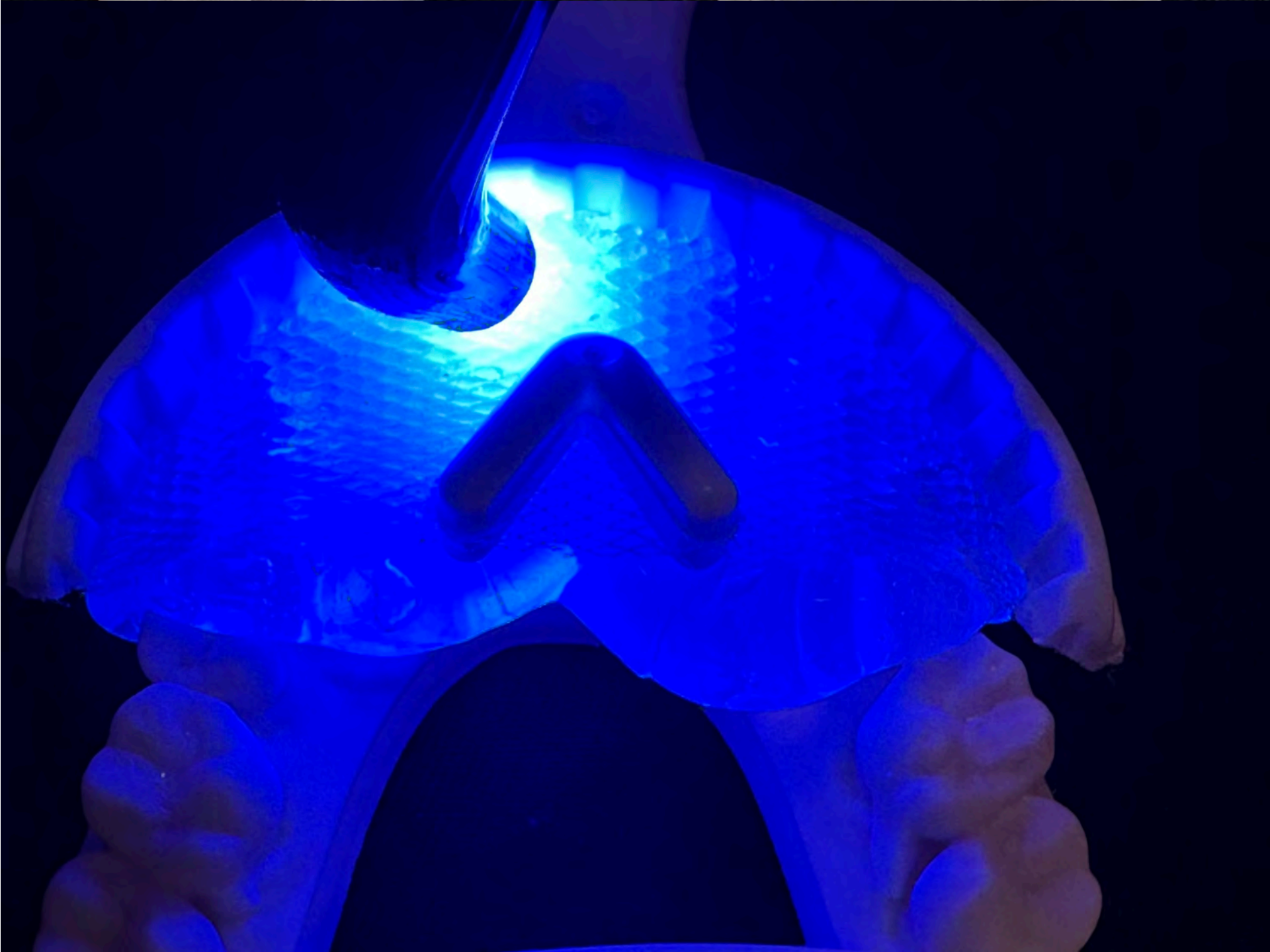


Incisal and line angle layer
Irregular line slight scallop



BL flow halo internal lobes





Fill Visalys
incisal across than body
Seat on model
Cure incisal layer when firm to increase adhesion layers

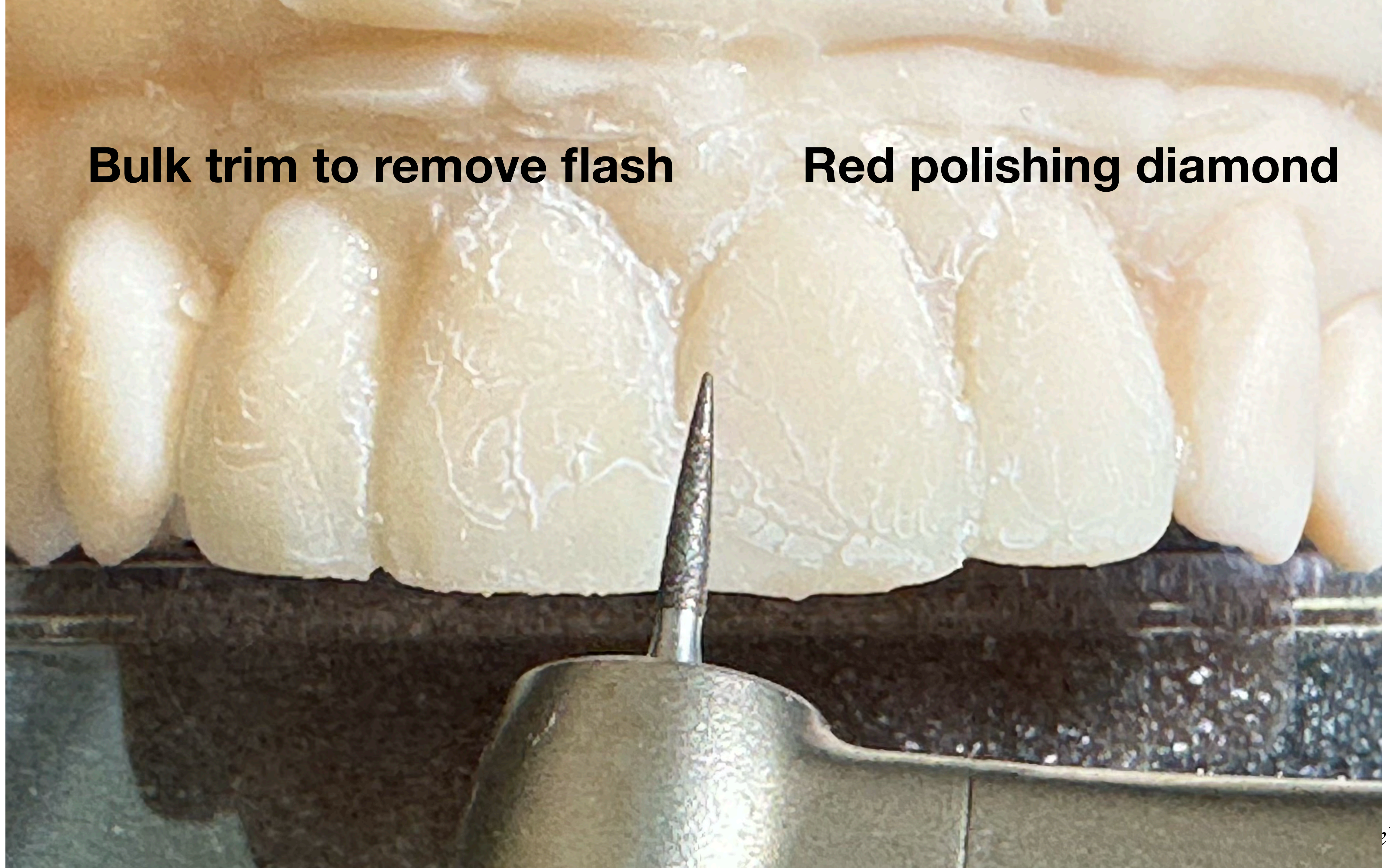




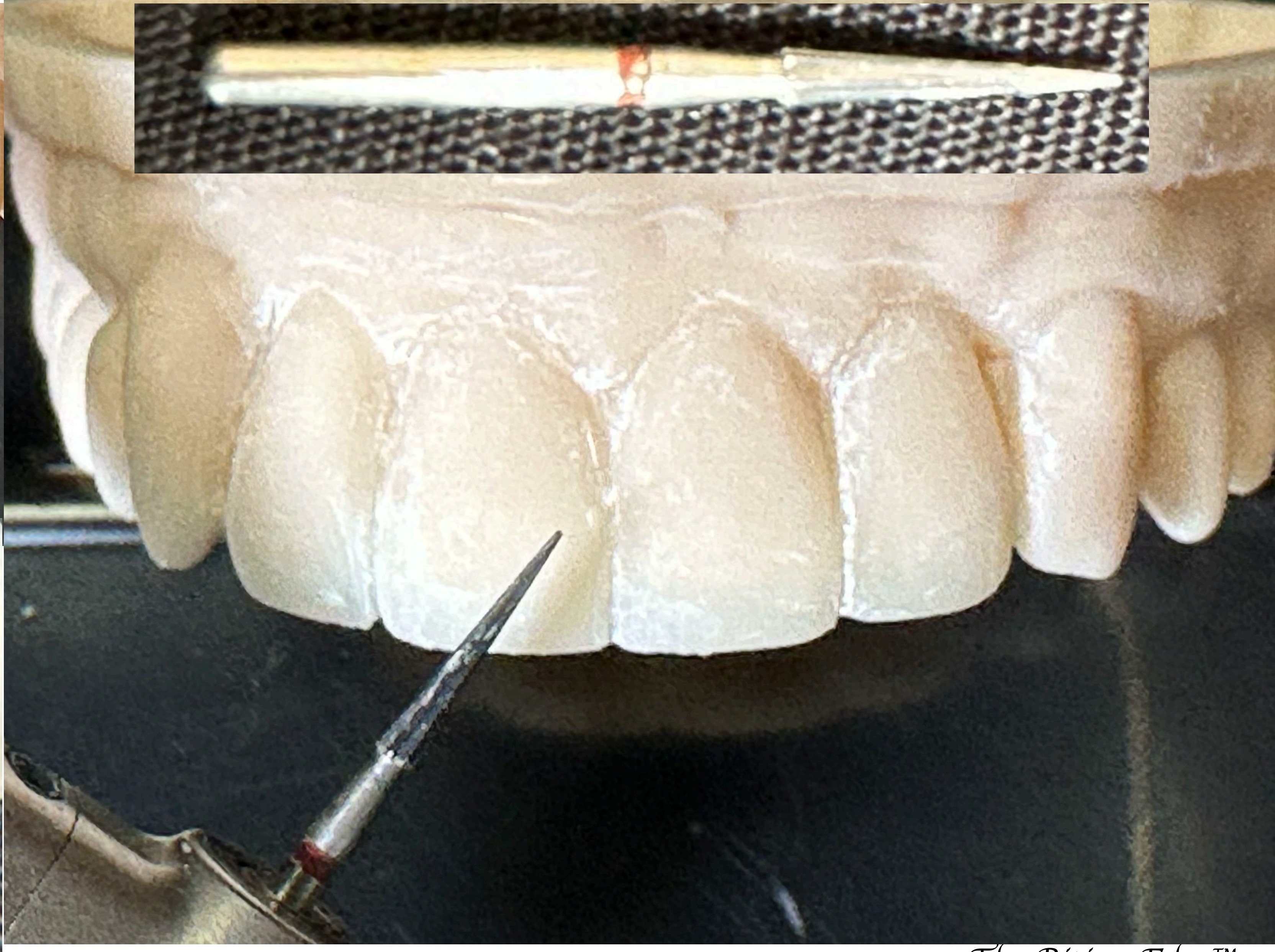


Bulk trim to remove flash

Red polishing diamond

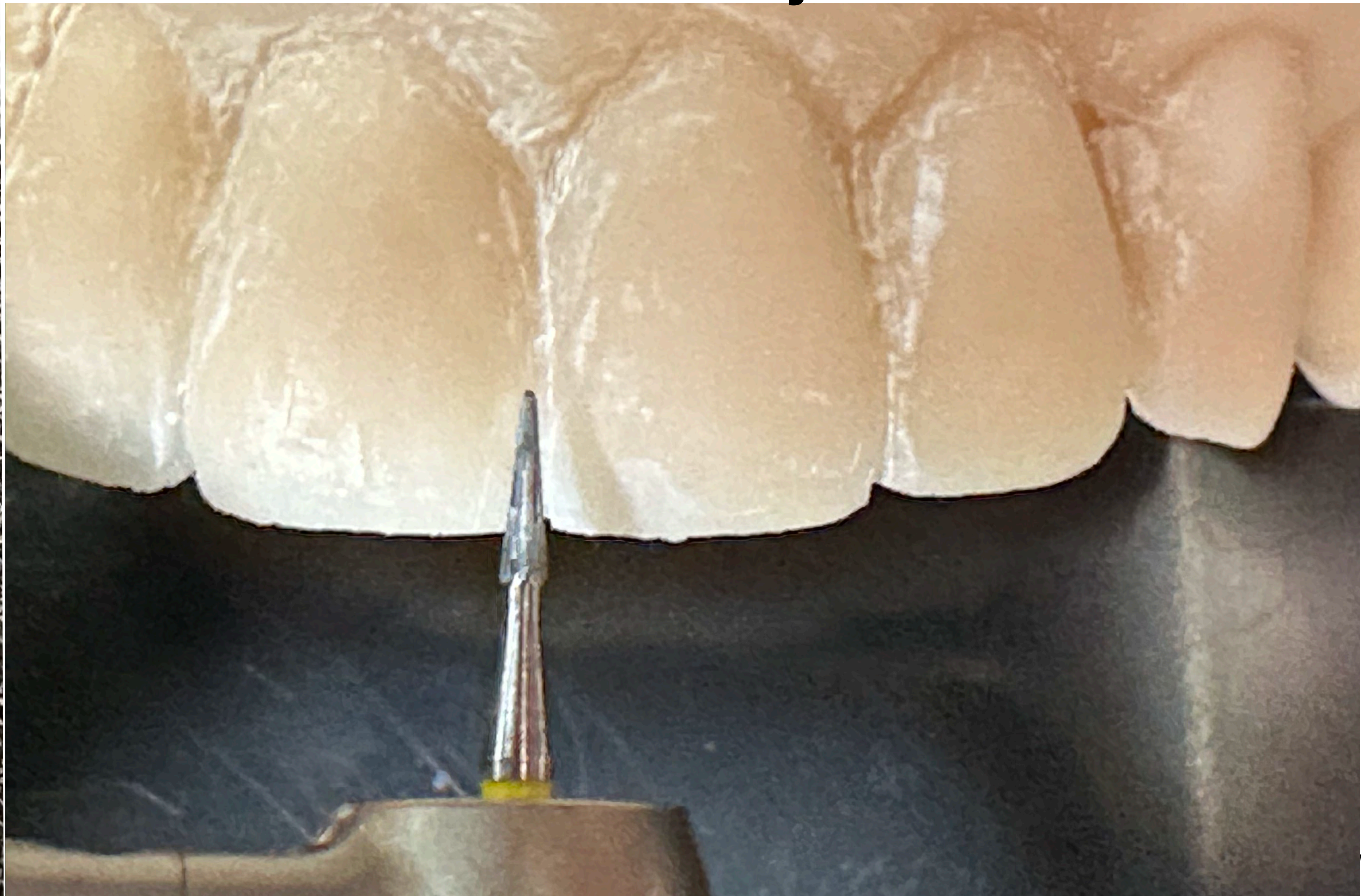


Refine line angles and contour with red carbide



Open incisal and gingival embrasures

Refine anatomy





**Bulk polish with Enhance polish cup
or any one step composite polisher**

**Work body in a gingival to incisal motion
keep in line with the axial inclination
maintain morphology**



**Apply bond
for new adhesive layer**

Air thin

**Paint up down and side to side
for micro texture**



Add BL or AO2 flow to fill in any porosity

Enhance line angles morphology and incisal edge if needed

Brush to add texture and contour

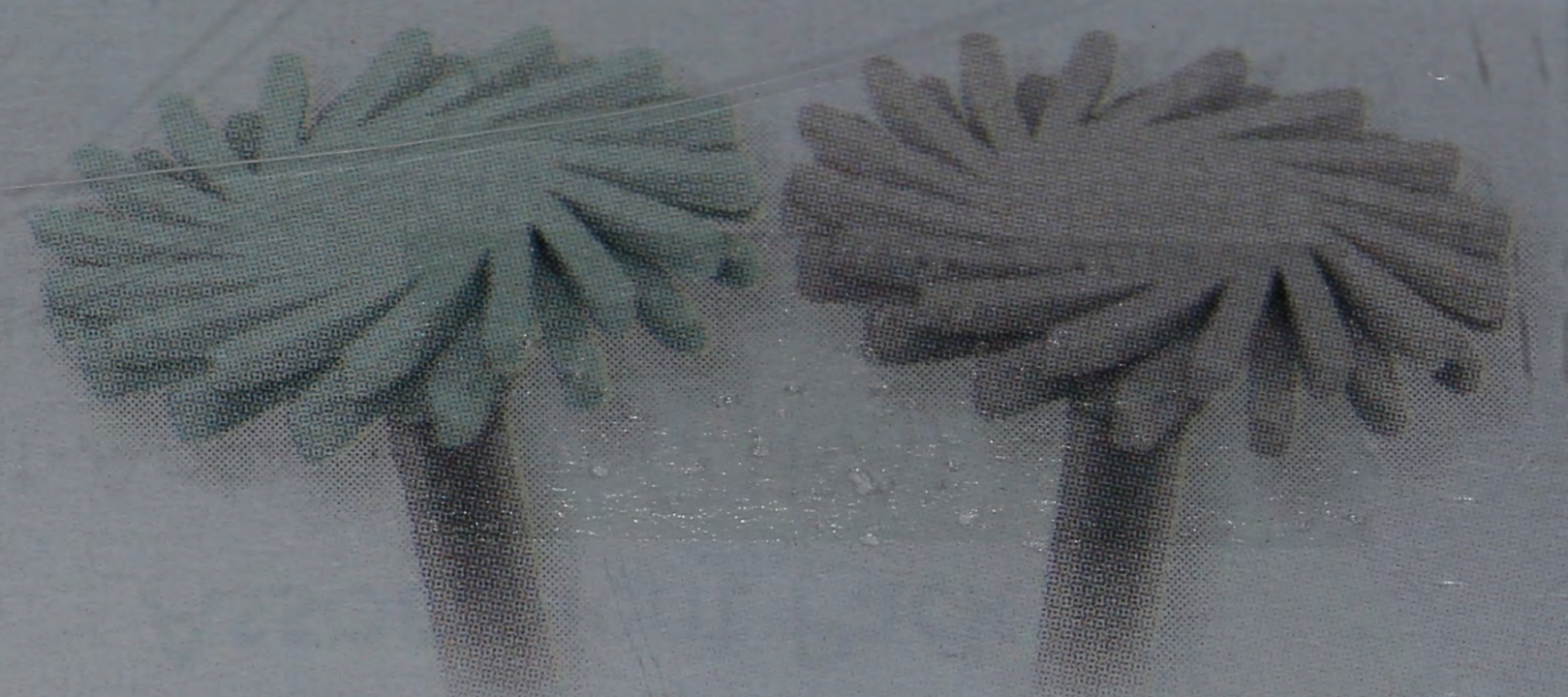




Sharpen embrasures and inter proximal



comp® *FEATHER LITE*™
Composite



Two-Step Composite Polishing Intra-Oral System



comp® *FEATHER LITE*™
Composite

Sterilization: Autoclave



Rec: 5-8,000 RPM
Max: 10,000 RPM*

**for final polish reduce speed by half
(2-4,000 RPM)*



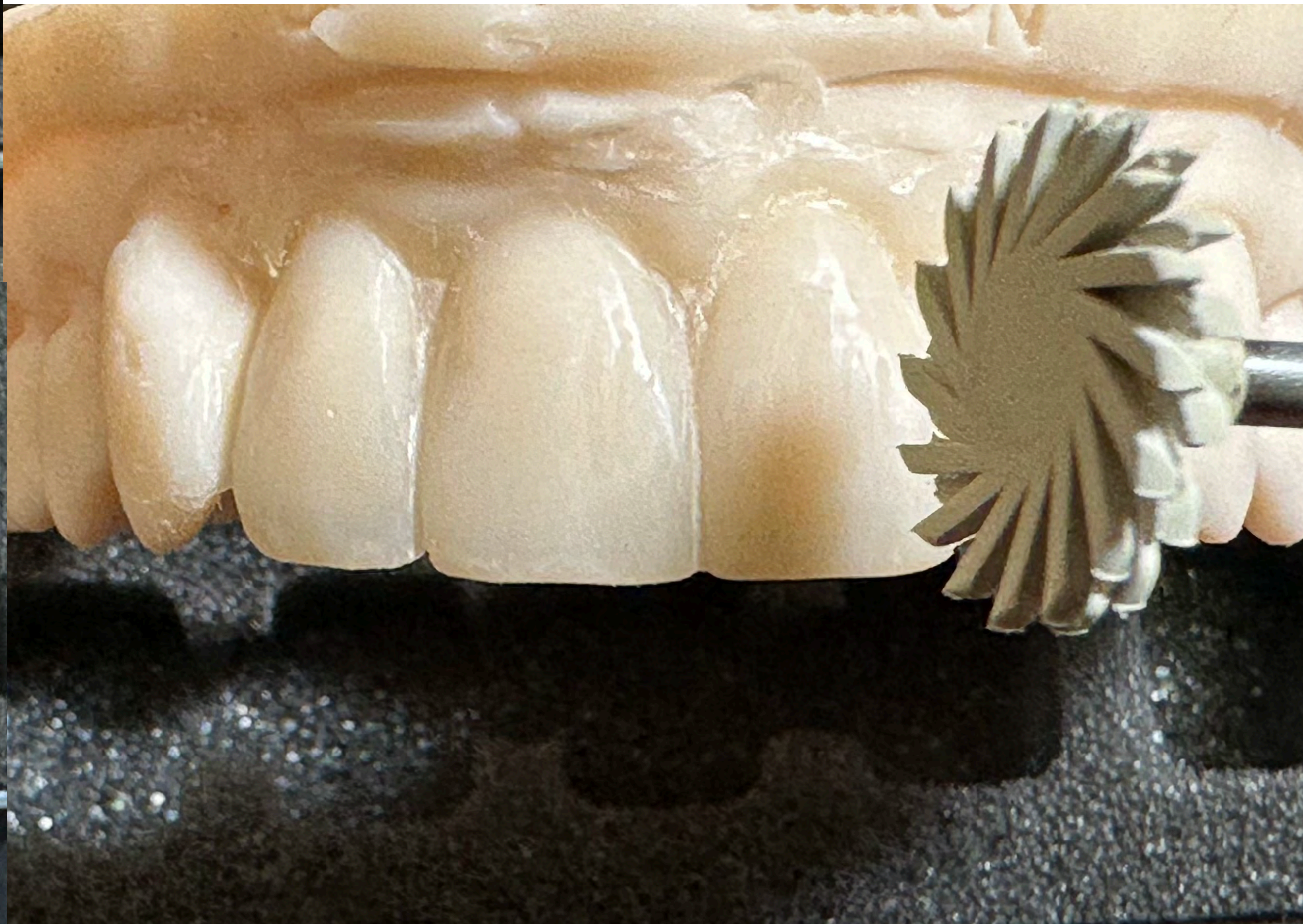
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Jiffy brush dry
work with morphology and axial line angles





Dry, low RPM with light touch





Finish back with Jiffy with .5m diamond paste
Transition to light water if needed
Light pressure fast



Your Turn Go!!





Case Two Maxillary 10

- Fabrication of putty matrix from wax up
- Shrink wrap upper ten units
- Layer incisal and facial layer for enhanced esthetics
- Trim and polish



The Biting Edge™









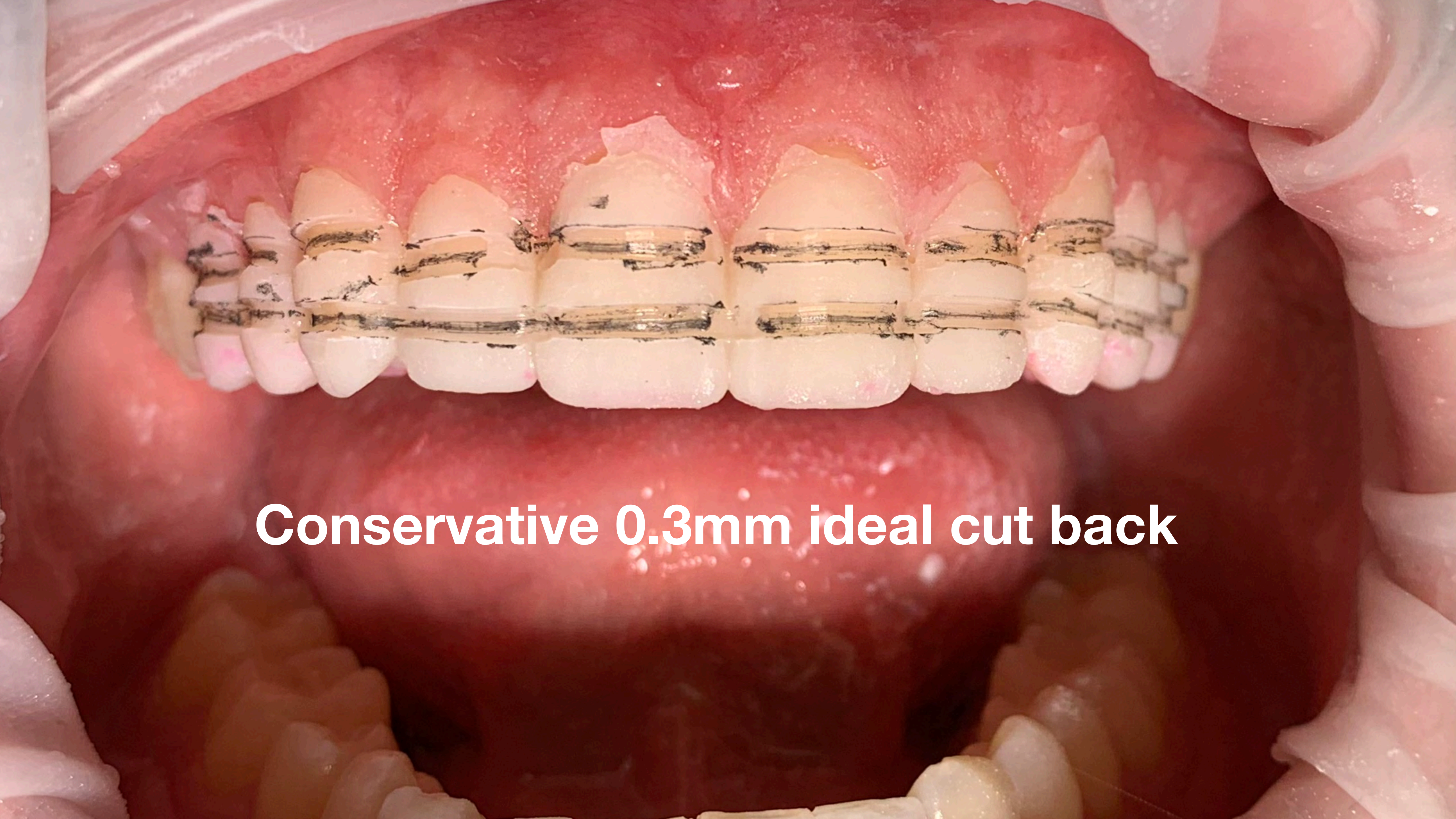
Passive fit check prior to wax transfer





Wax try in with control bites to use as our prep guide





Conservative 0.3mm ideal cut back



Trick

Futar clear as liner to keep hydration and add gingival pressure





Shrink wrap steps

- Clean scrub preps and gingival
- Chlorahexadine and peroxide separate scrub
- Isolate
- Apply desensitizer, Hema Cide, TelioD, Glumma, Micro prime, etc.
- Air dry to moist
- Paint Primer on preps air thin
 - I use Adhese very light air dry just gingival wave cure
- Seat Putty matrix with Visalys





Evaluate temporary and adjust for any patient goals



Verify shade for ceramics



Hands On Case 2

- Fabrication of putty wash matrix
- Visalys flow Composite layering
- Shrink wrap fabrication using Visalys Temporary
- Adjust polish and addition
- Prize for the best



Panasil® Lab Putty Soft

Kneadable, addition-curing overcast materials based on vinyl polysiloxane. Shore Hardness A73. Ideal for use as an overcast and bite index material due to its high final hardness. Dimensionally stable, high impression reproduction for stents and designed for diagnostic wax ups. Addition curing 1 to 1 mix, no gel activation needed.

Product Information

Category	Impression Materials
Subcategory	Panasil® A-Silicone
Itemnumber	11153

Primary Information

Viscosity	Putty
DeliverySystem	Hand Mix
Color	Tan
Shore Hardness	A73

Other Information

Contains	2x5 KG
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SOOO UNBREAKABLE
IS **VISALYS®** TEMP



SOOO ARTFUL
WITH **VISALYS®** FILL
& **VISALYS®** FLOW

Visalys® Temp is a temporary crown and bridge material for exceptionally stable and fracture-resistant short- and long- term temporary restorations based on a multifunctional acrylic composite. Visalys® Temp is suitable for fabricating temporary crowns, partial crowns, bridges, inlays, onlays, and veneers.

Visalys® Fill and Visalys® Flow Filling Composites —two new nano-hybrid light cured filling materials for all Class I to VI restorations. Its special Flex Shade System's chameleon characteristics covers the entire VITA shade scale with just five shades. Also featured outstanding flexural and tensile strength properties to achieve long term performance.

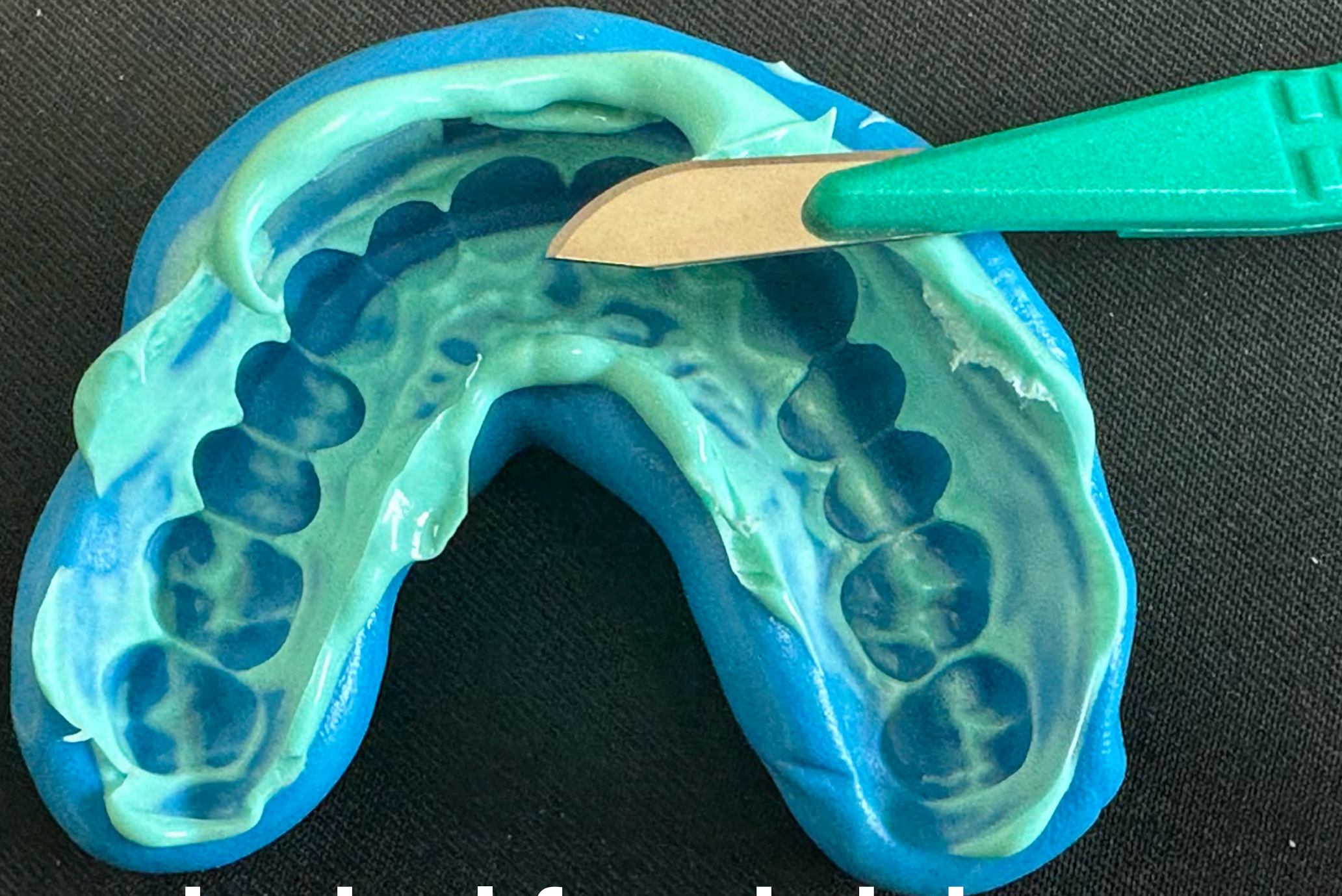
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Wash on model, Putty over to form
Press and mold
Index occlusion with articulated apposing

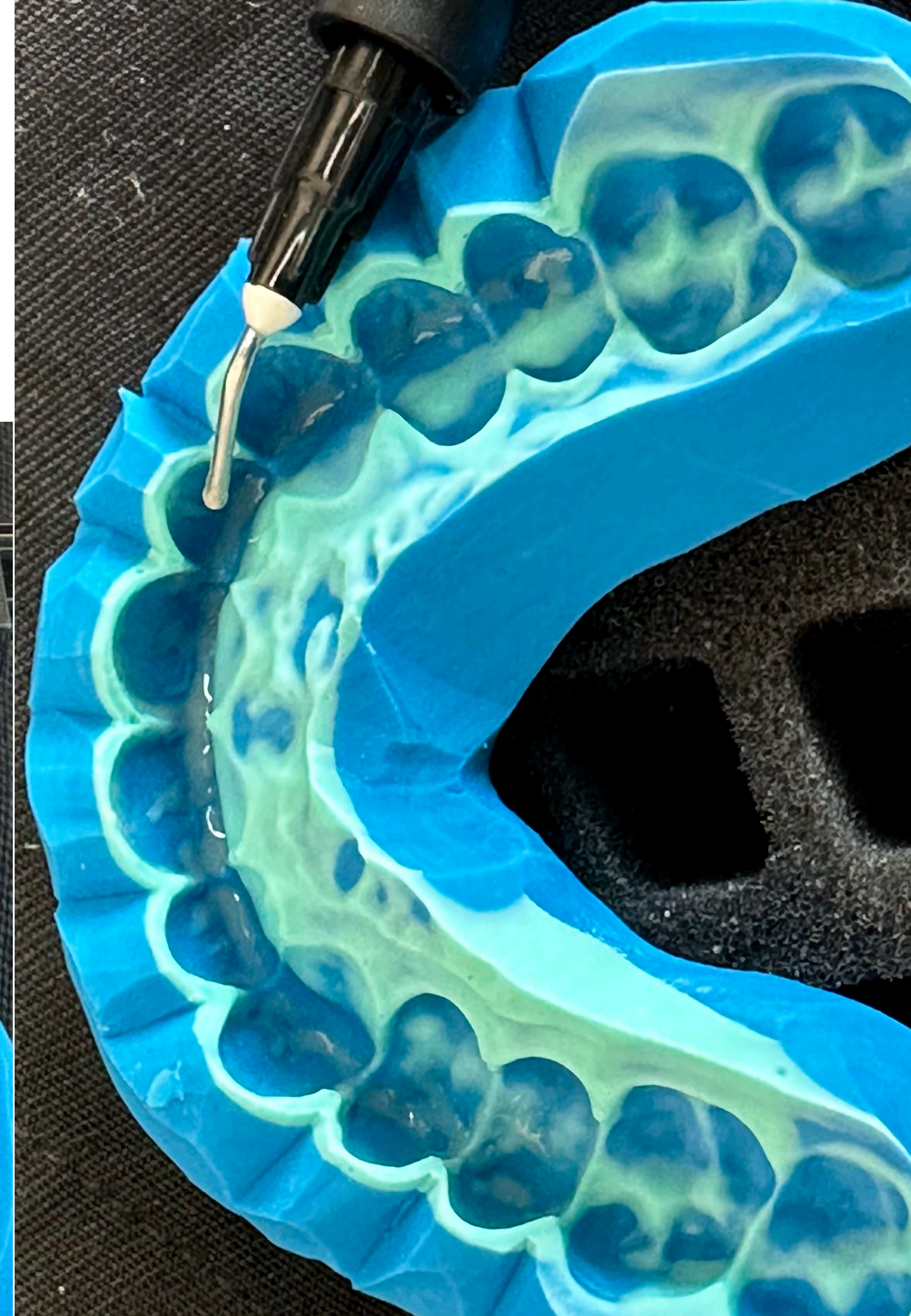
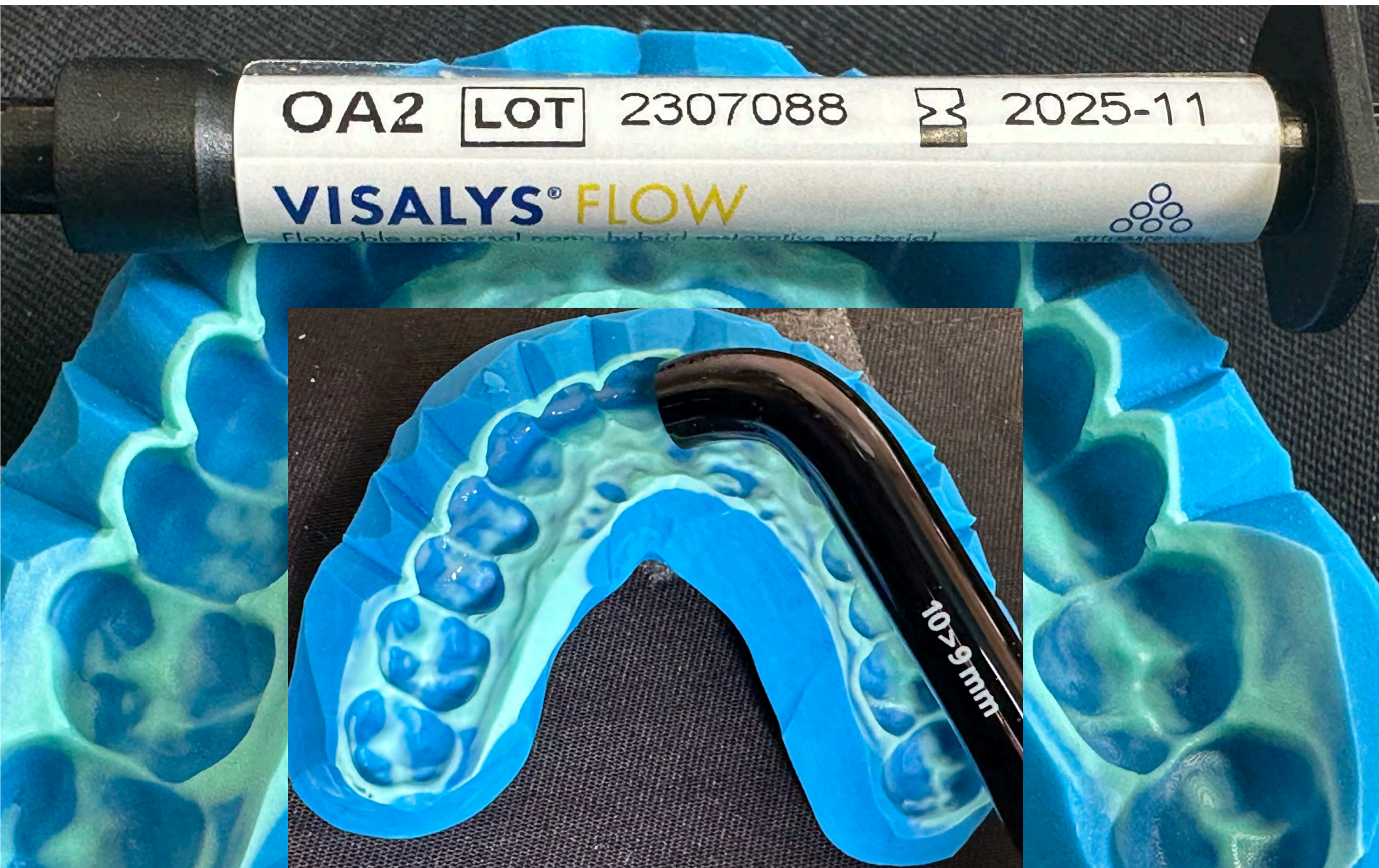




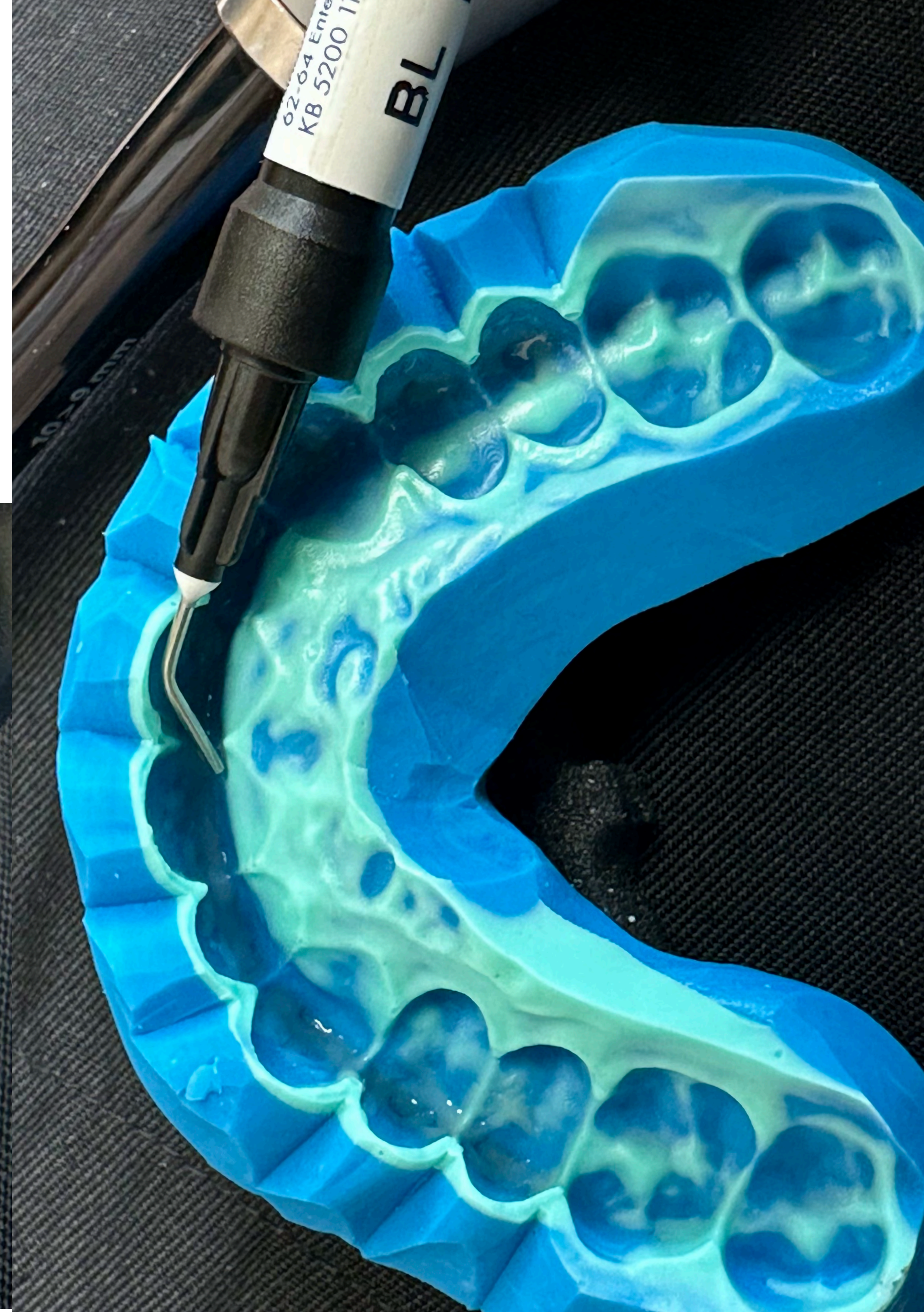
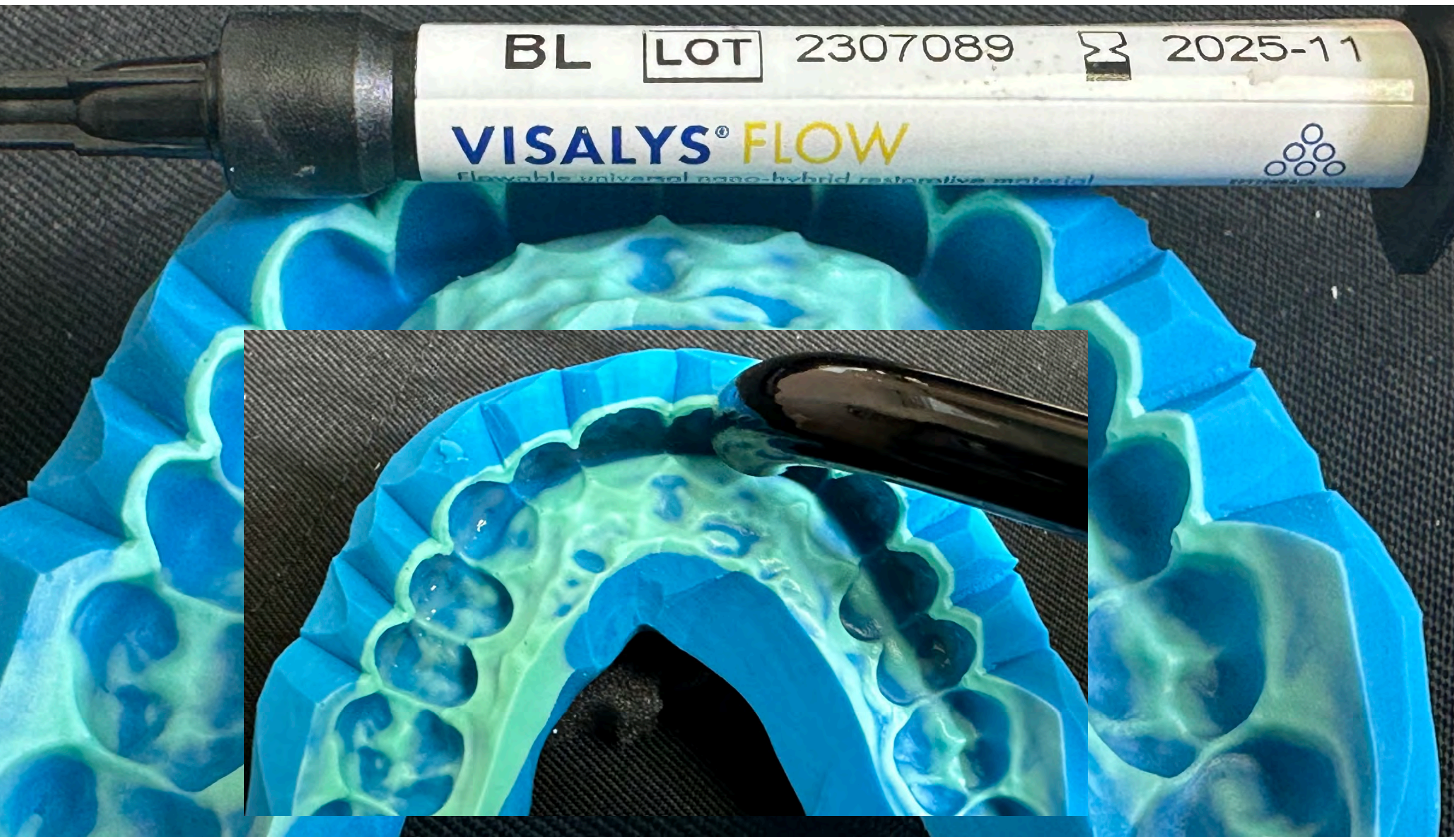
Trim gingival for shrink wrap



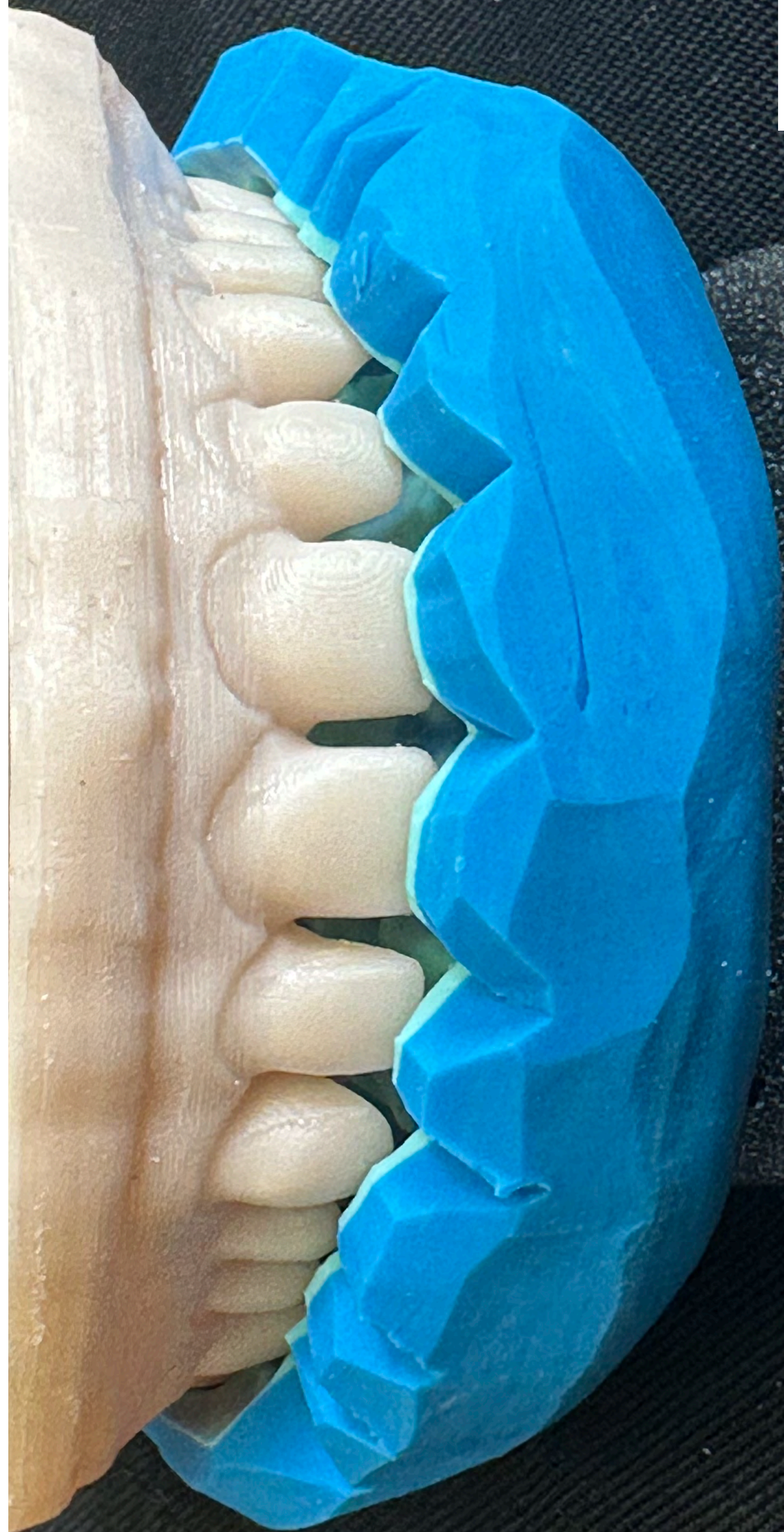
First Addition layer Incisal and line angles Cure



Second Addition Layer
BL on incisal facial 1/3
place over 1 and fill in lobes
Cure



Fill Visalys Temp
Slowly fill incisal /occlusal layer across
Work back to fill body to gingival





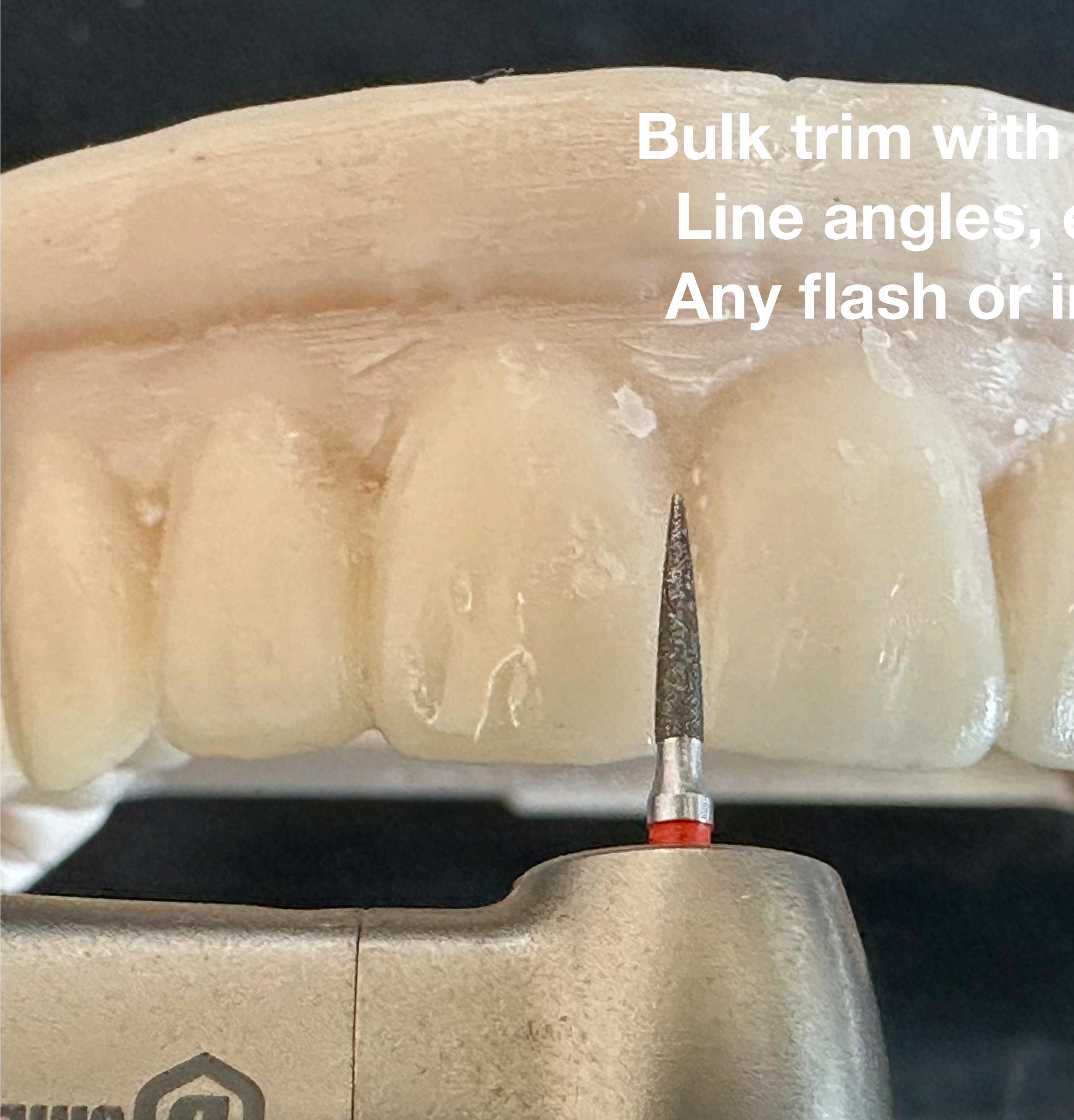


Fill in any bubbles and remove excess

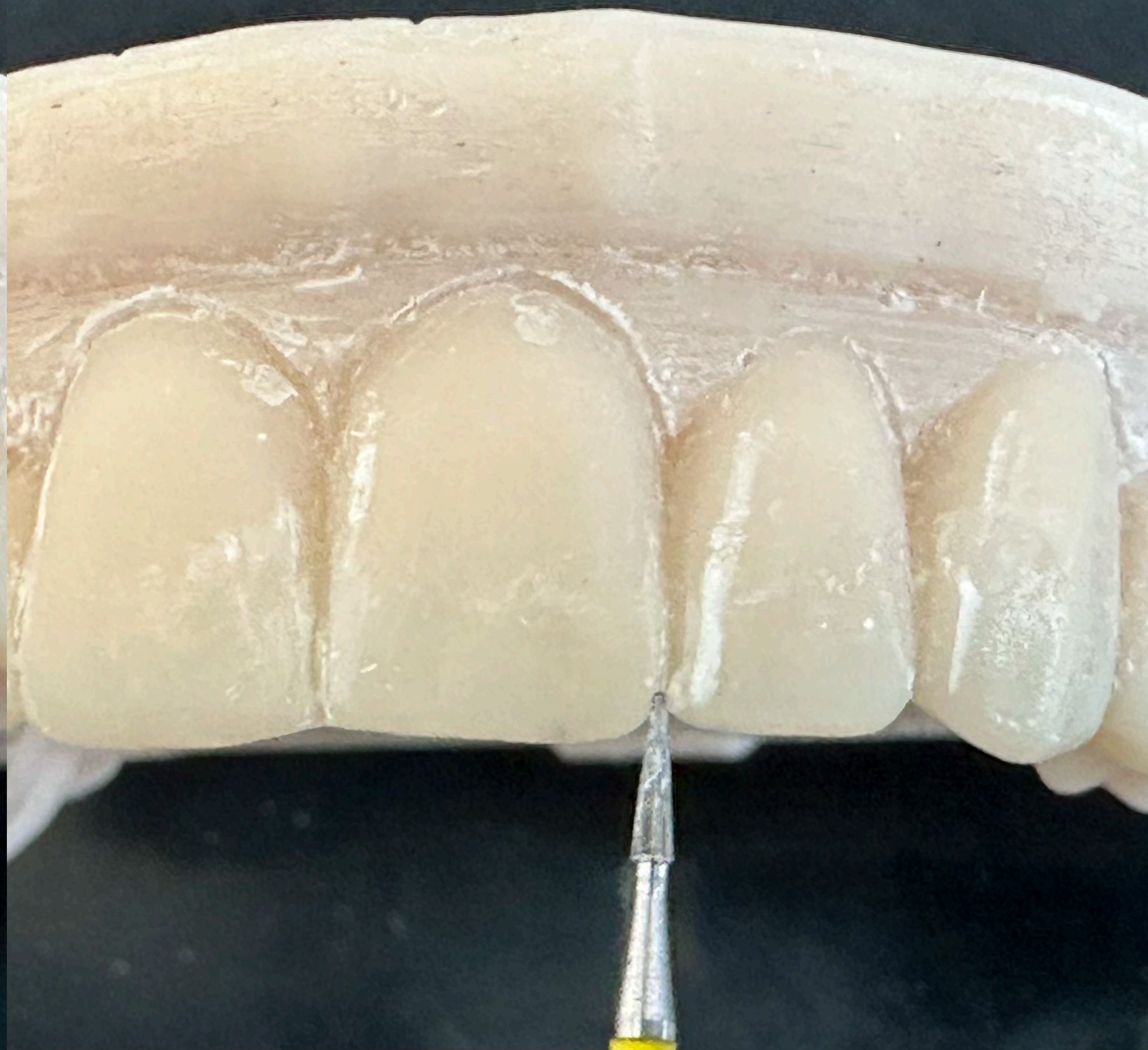
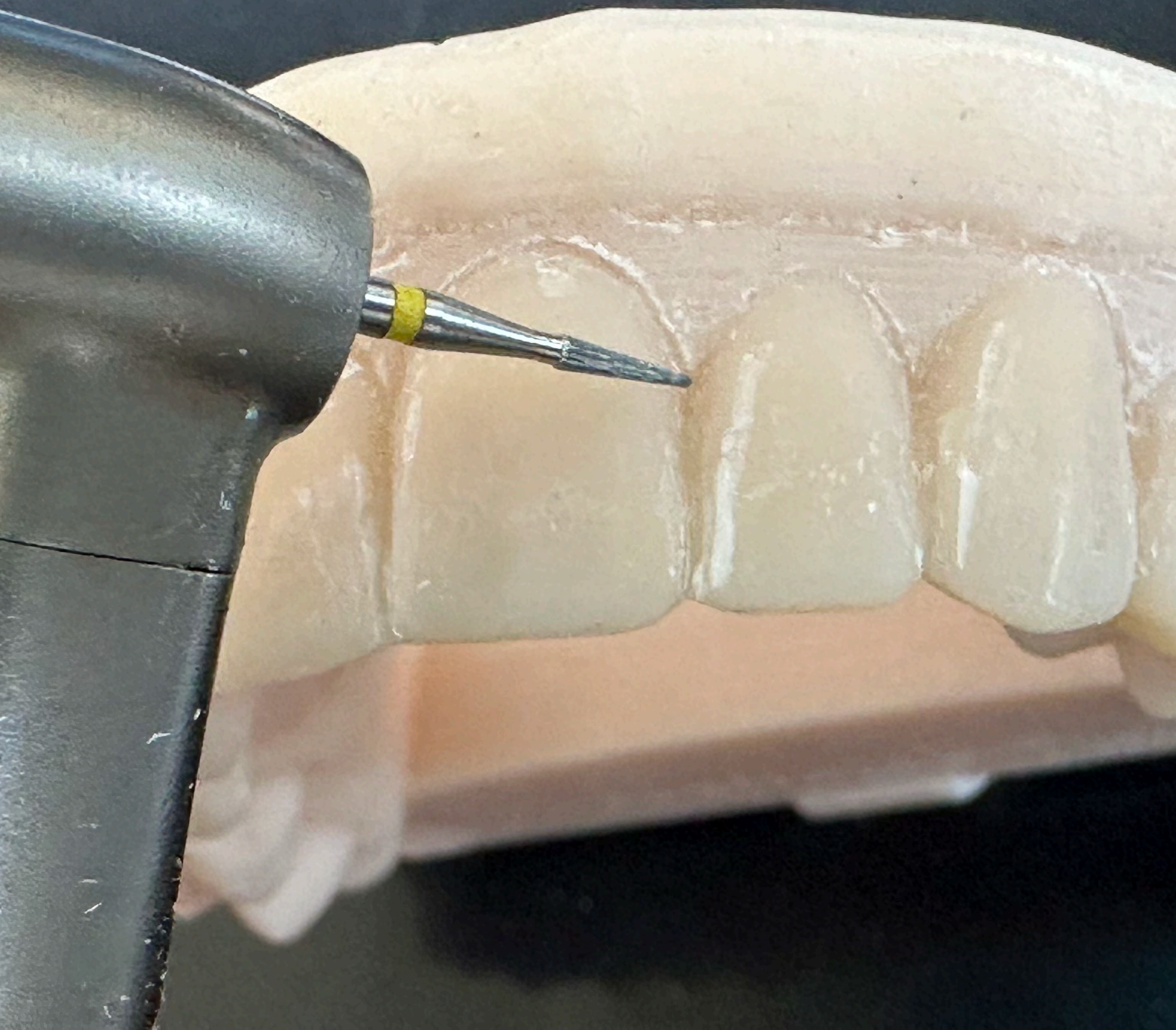




**Bulk trim with red diamond
Line angles, embrasures
Any flash or irregularities**



Remove any diamond scratch
Fine tune gingival and incisal embrasures
Highlight line angles



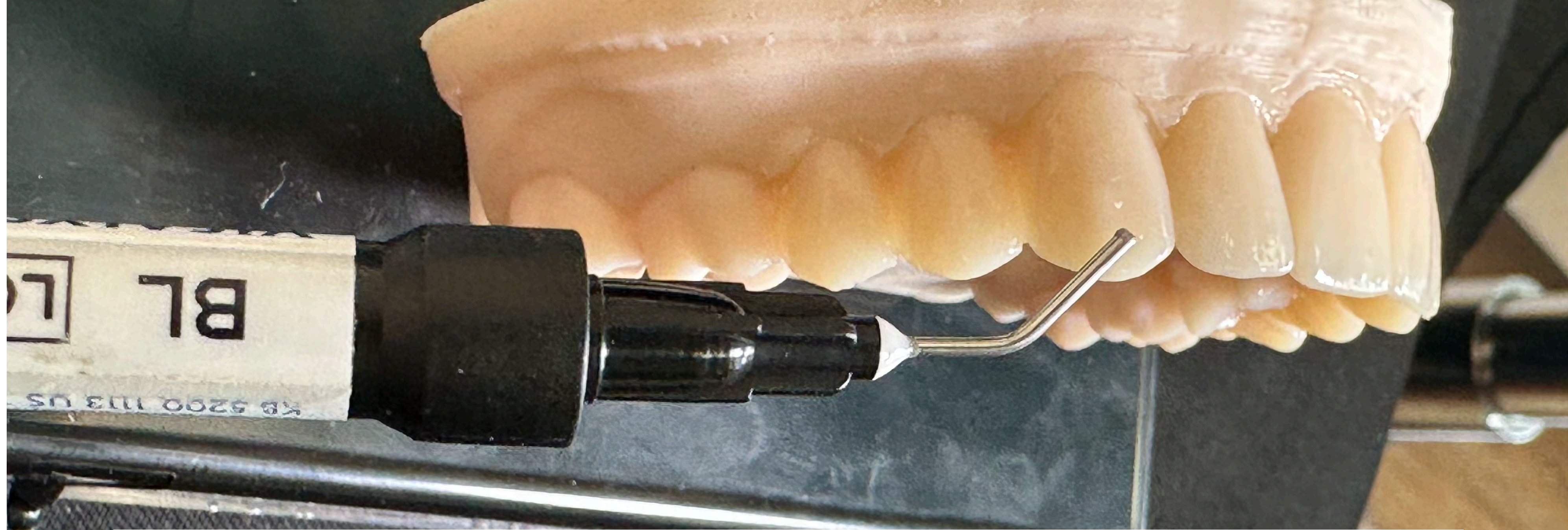




Add adhesive layer
for flow highlight additions
Thin with air
Cure

Adhese®
Universal





Addition Highlights with BL flow to add morphology

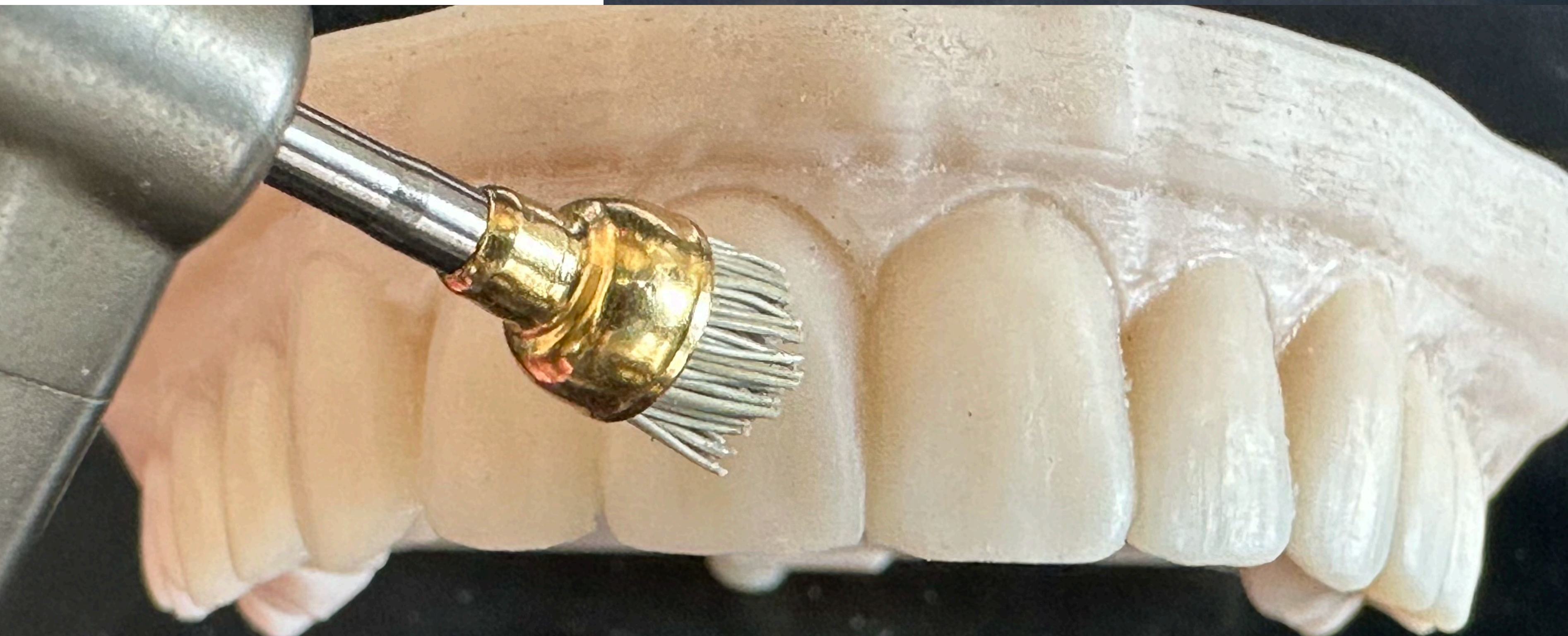


Incisal facial addition paint for texture layer





Jiffy Gold Brush
Dry
10 -20K rpm





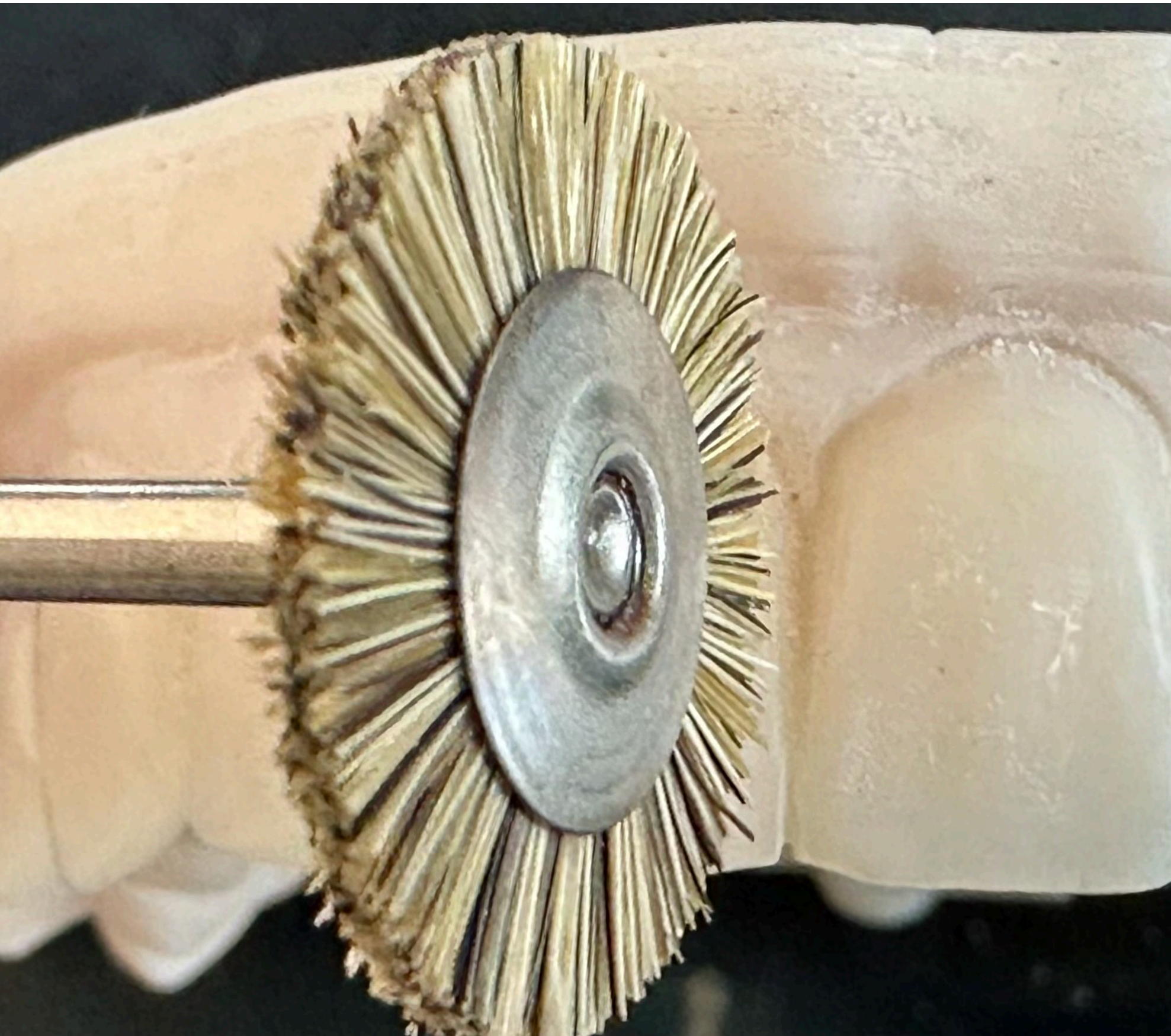
High polish
Light touch
Dry
8-15K rpm

Work the
morphology



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**Robinson fine-X firm
embrasures
Line angles leading into
inter proximal
Slow light pressure**





Gloss and Glaze
5 micron
Diamond paste
Light pressure
15-20k rpm



Work the rest of the paste transition to water



Finish Dry fast very light pressure



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