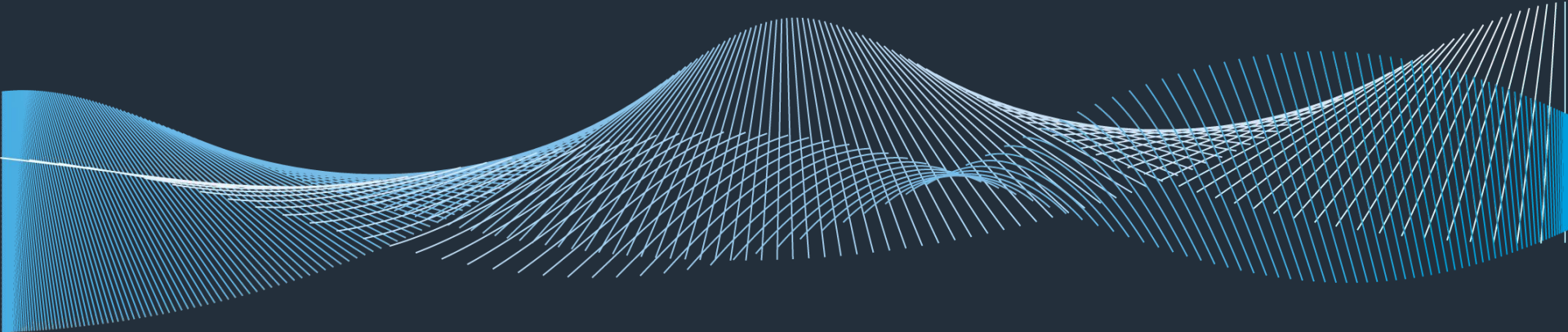




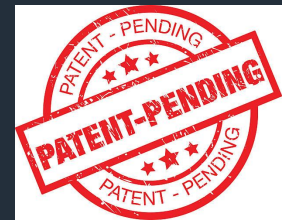
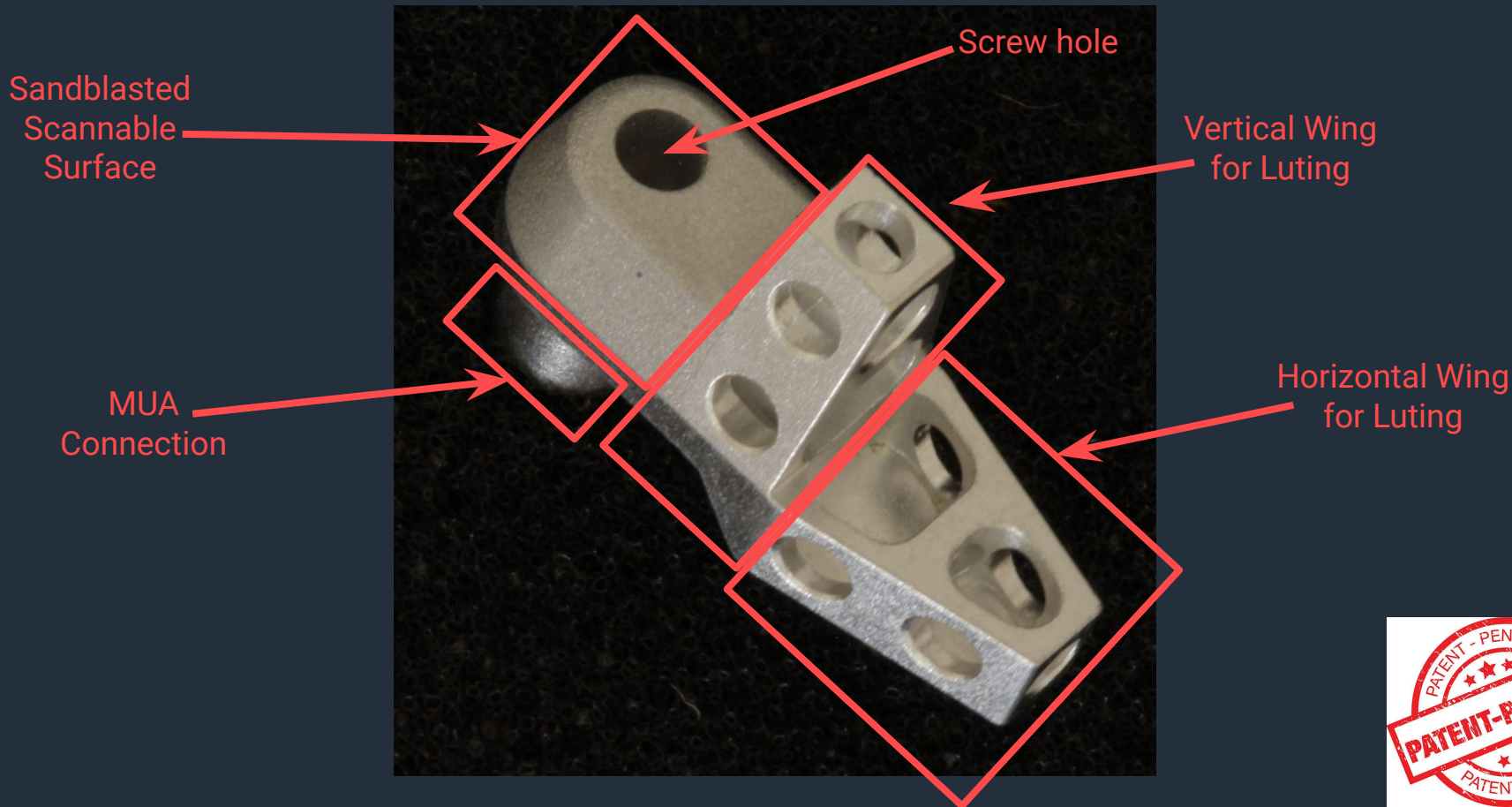
DIGITAL ARCHES



What is OPTISPLINT?



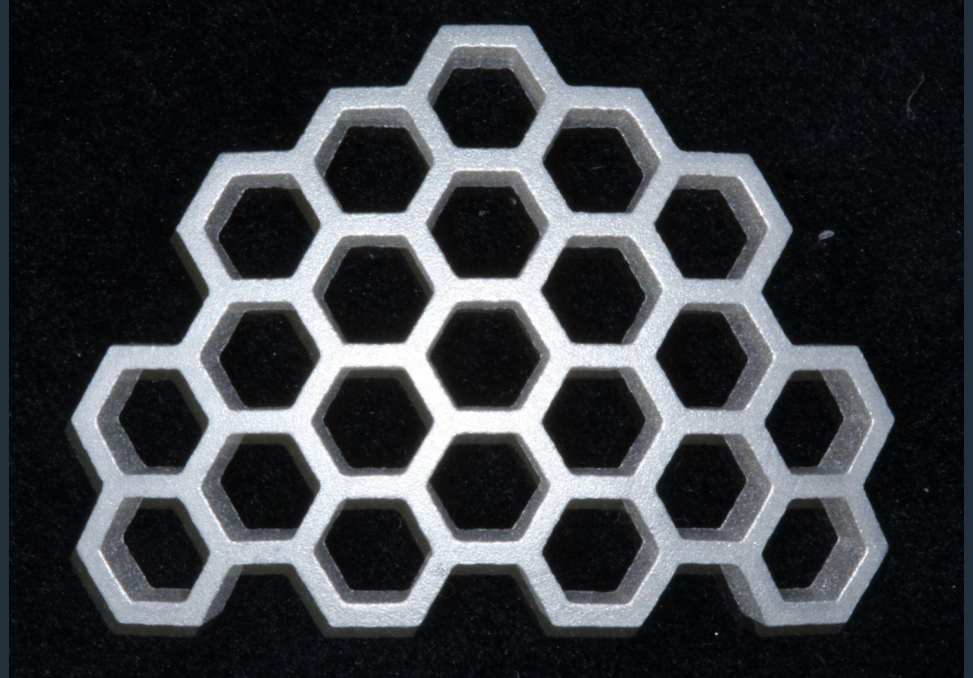
All Metal OPTISPLINT Scan Body



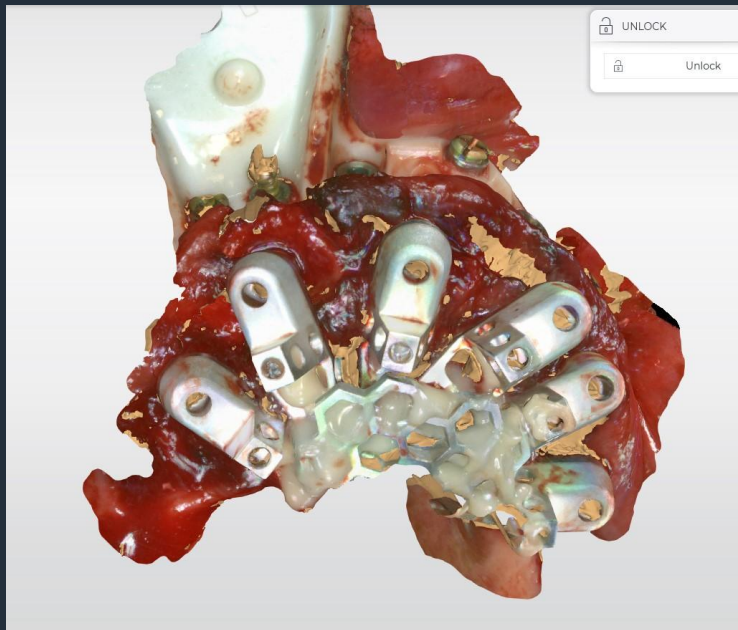
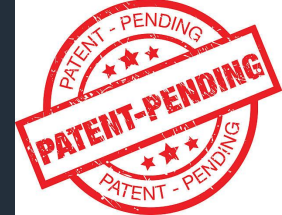


All Metal OPTISPLINT Frame

- 2 sizes to easily fit either Mandible or maxilla.
- Comes with handle for easy handling
- Easy to make adjustments with clippers
- Curved design to compensate for variations in implant angles.



OPTISPLINT - The Dual-Purpose Full Arch Intraoral Scanning System and Verification Jig.

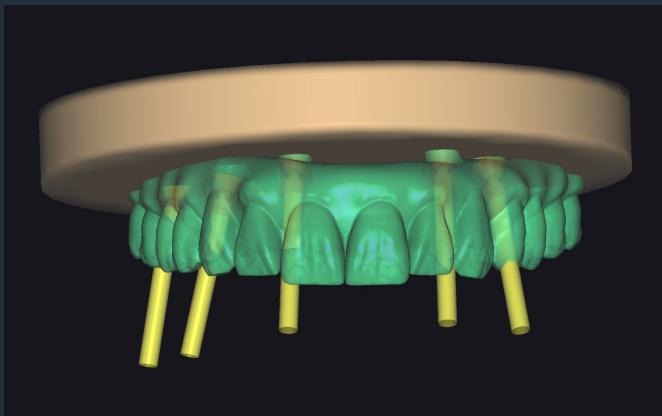
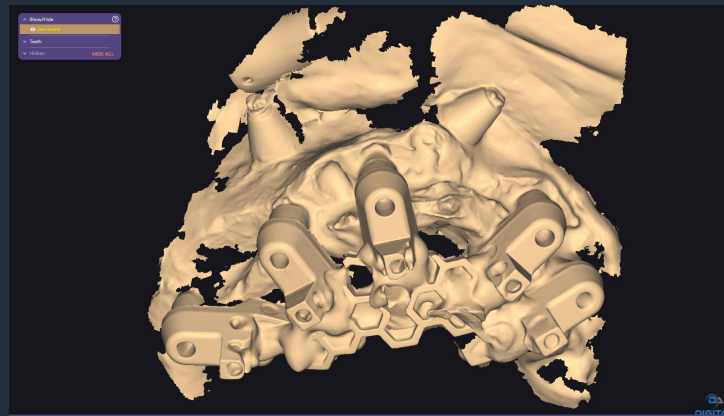


Digital Intraoral Scanning System for Relative Dental Implant Positions

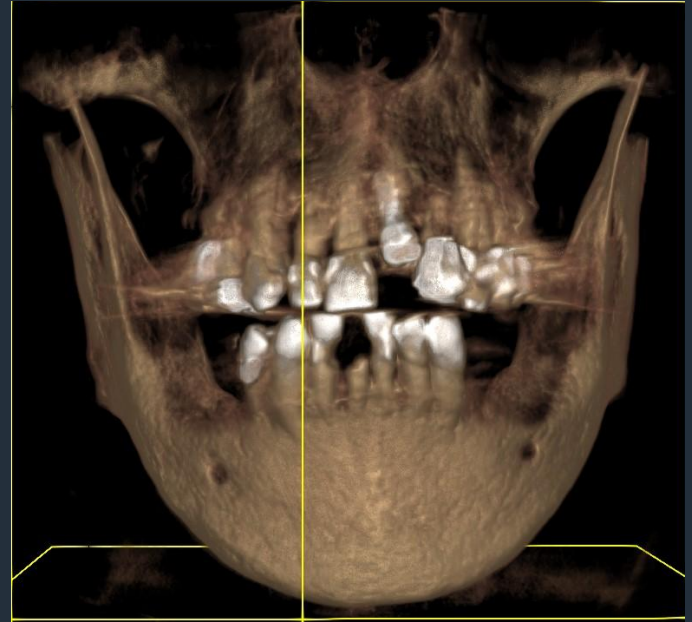
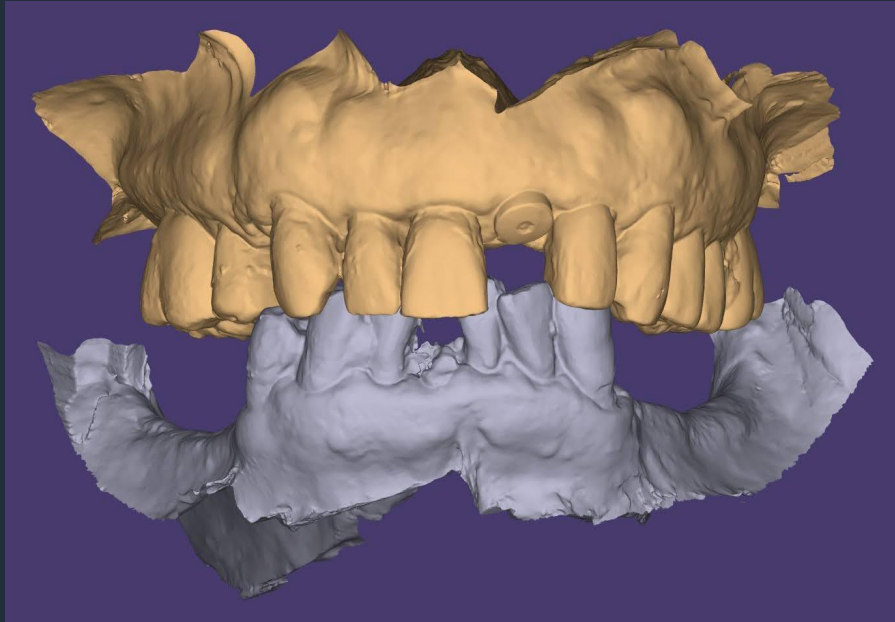


Verified Jig of Relative Dental Implant Positions to Make a Working Verified Cast

How Does OPTISPLINT Work?



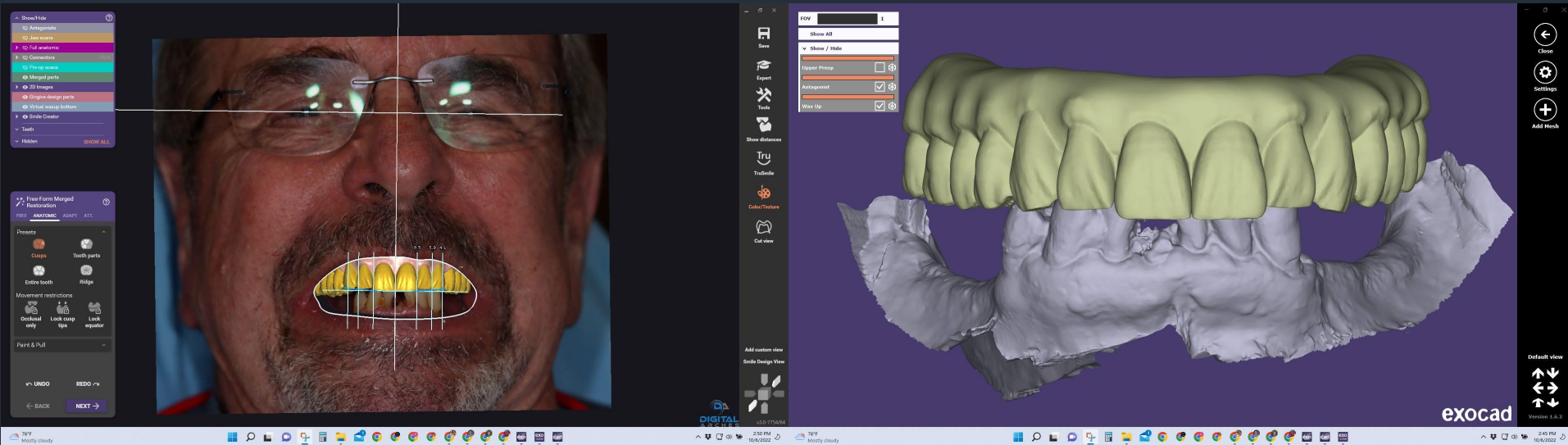
Step 1: Pre-Op Records - Digital Patient Records for Surgical Planning and Preparation



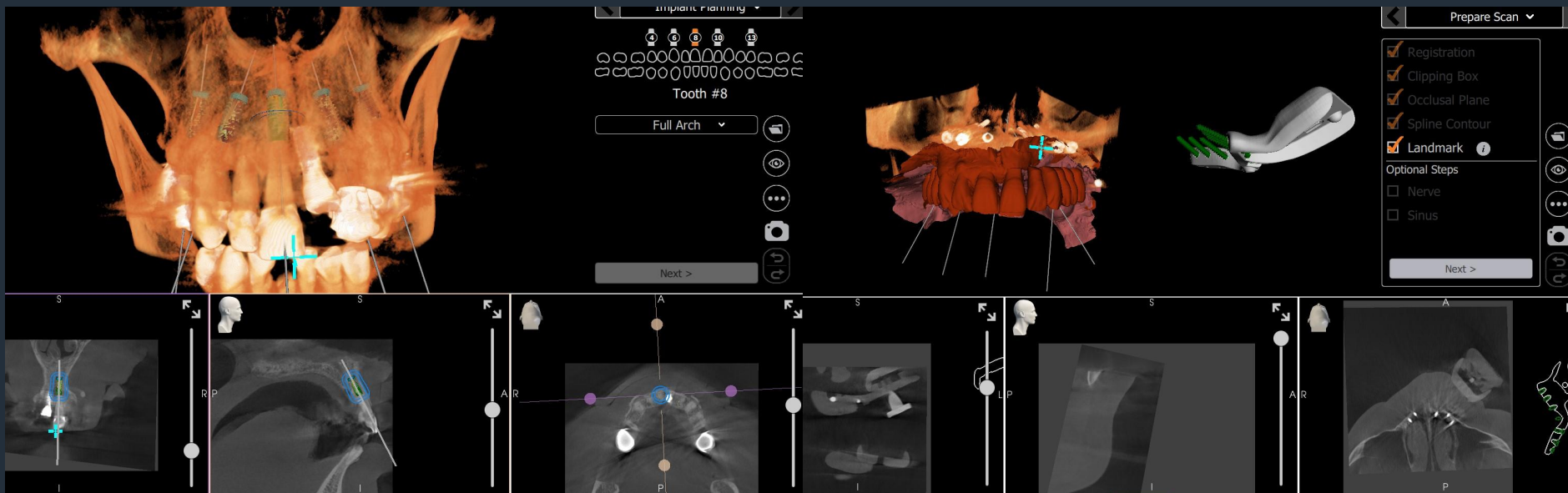
Step 1: Pre-Op Records - Patient Photos for Smile Design



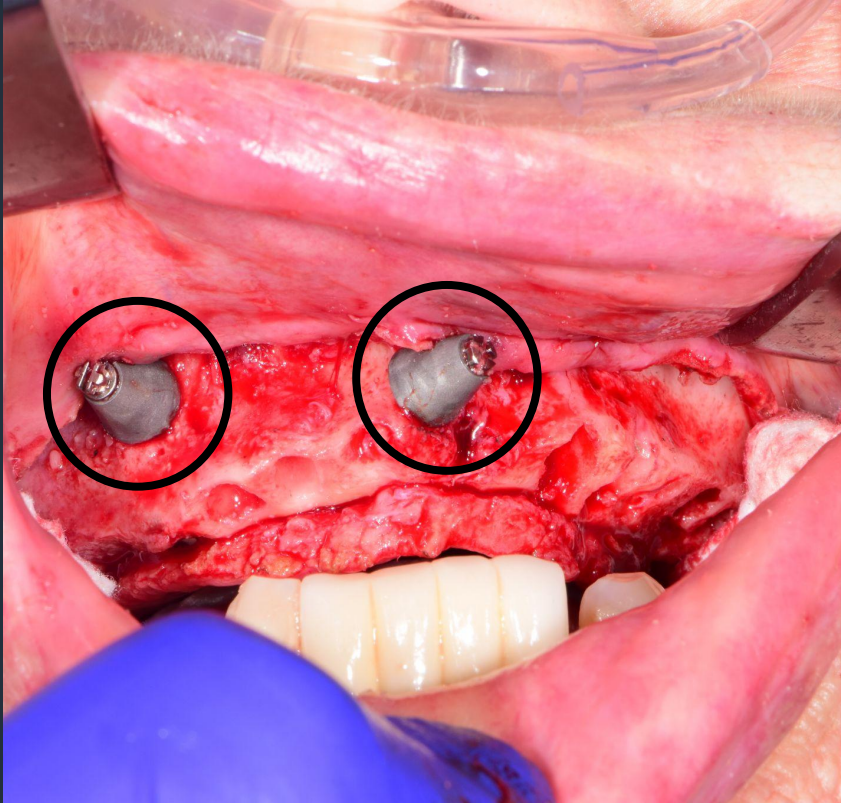
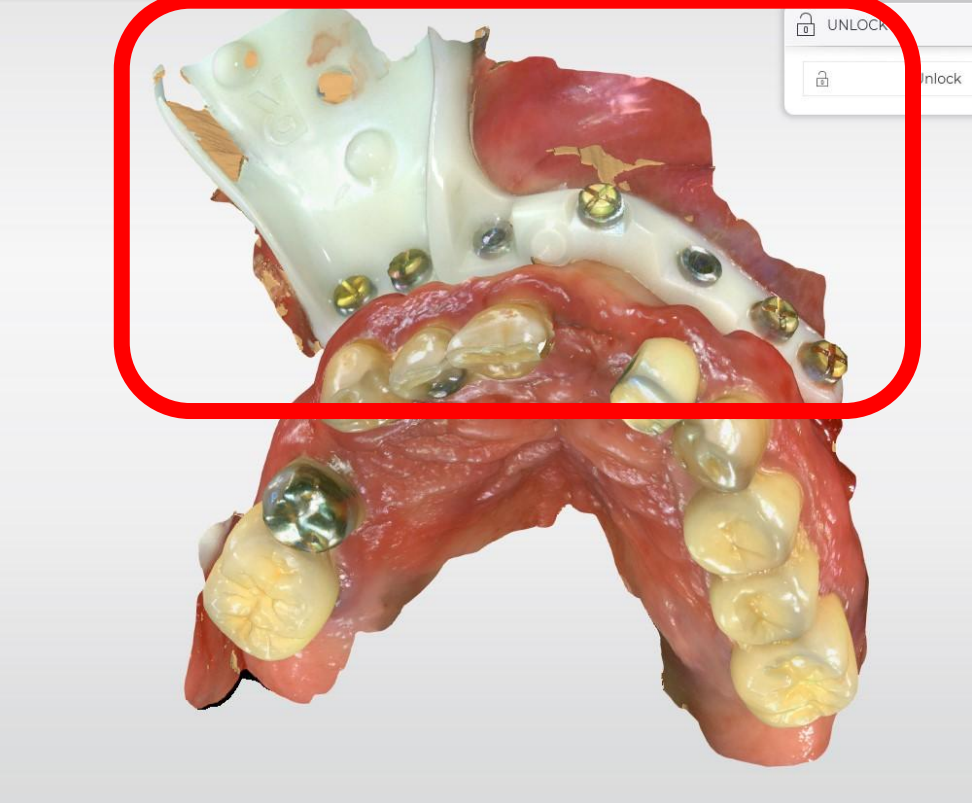
Step 2: Digital Smile Design/Digital Wax-up



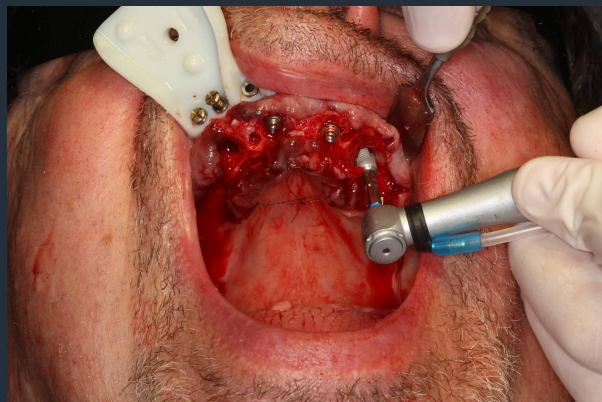
Step 3: Prosthetically planned dental implants



Step 4: Surgical Scan #1 - Pre-op Scan with Fiduciary Marker



Step 5: Dental Implant Surgery



Place Implants

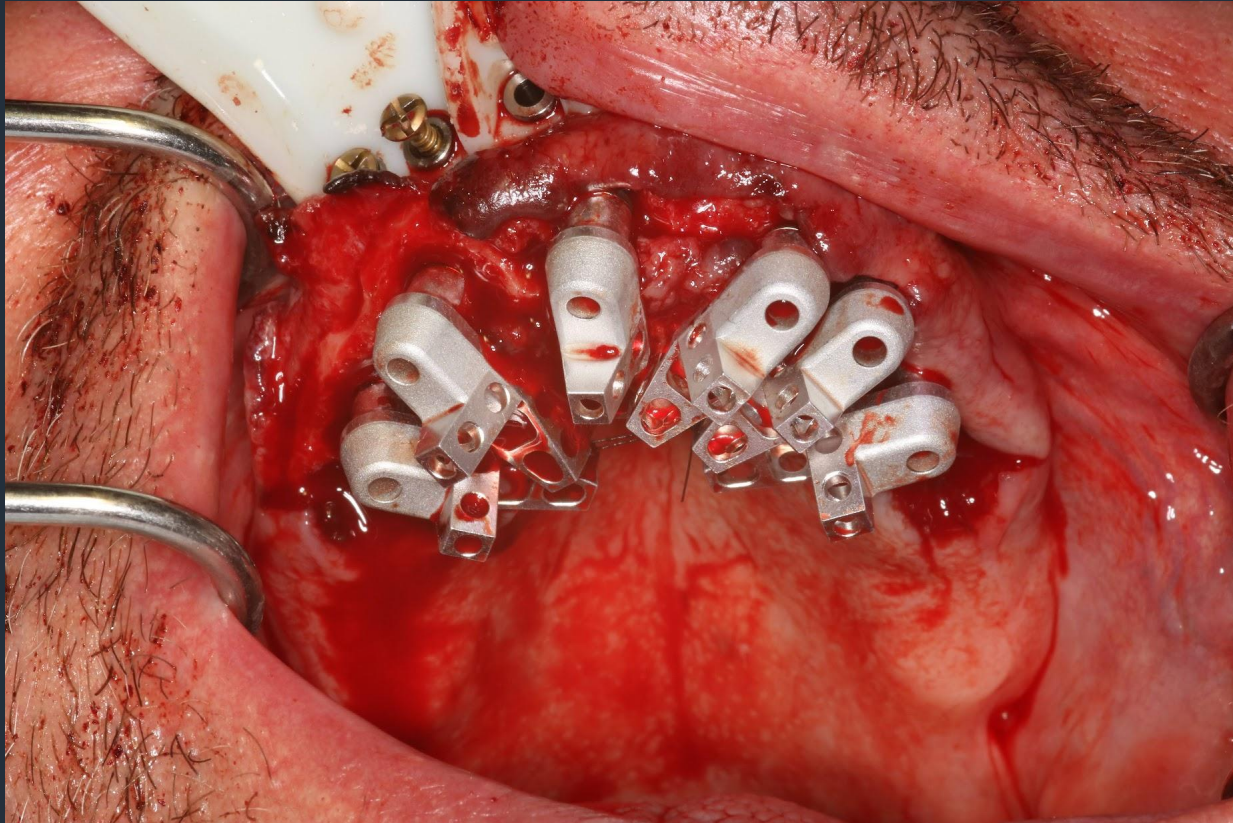


Place Multi-unit Abutments



Option to scan prior to closing
or after sutures are in place.

Step 6: Seat OPTISPLINT Scan Bodies on Multi-unit Abutments

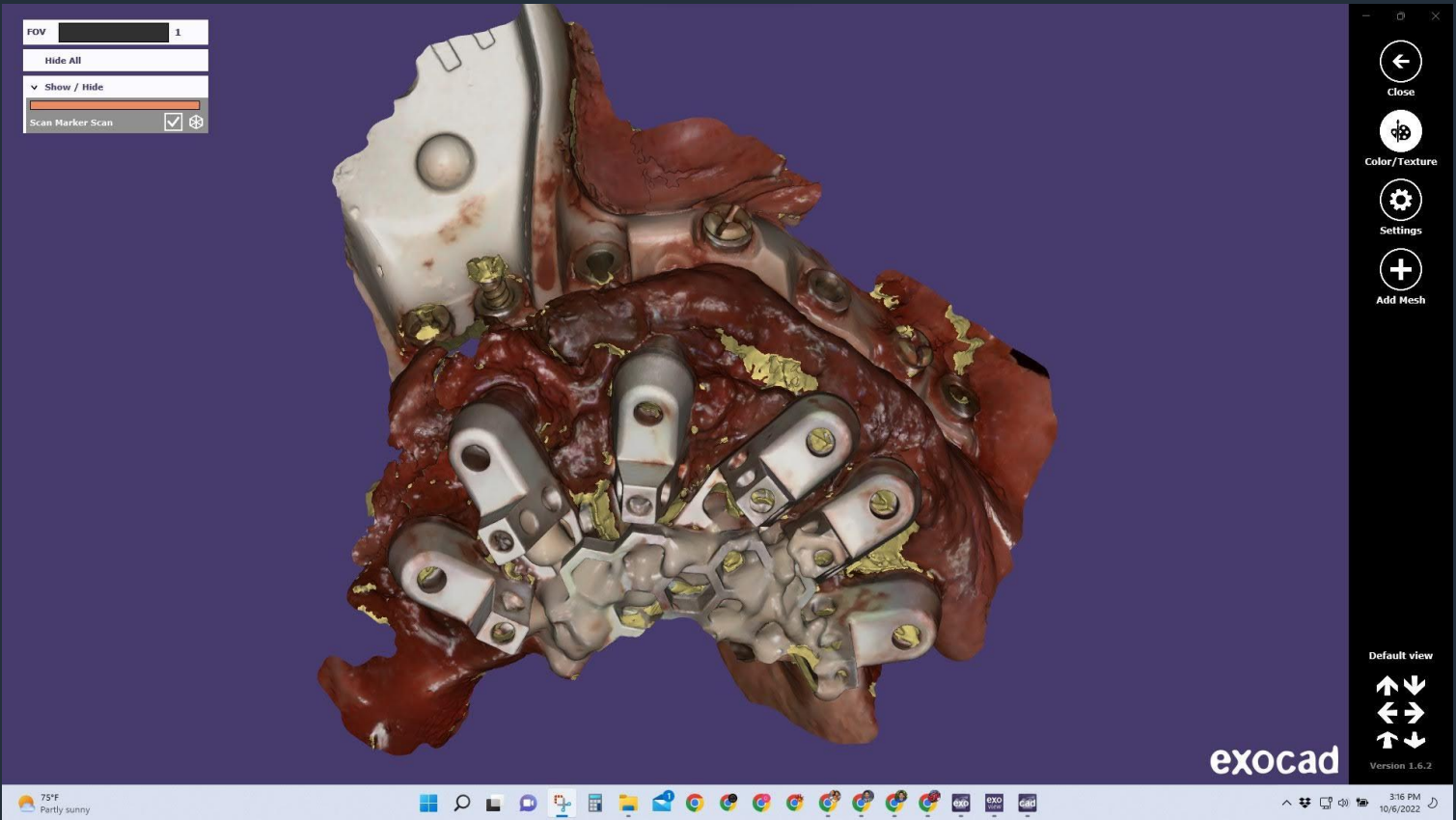


Step 6: Size and Lute OPTISPLINT Frame to Scan Bodies

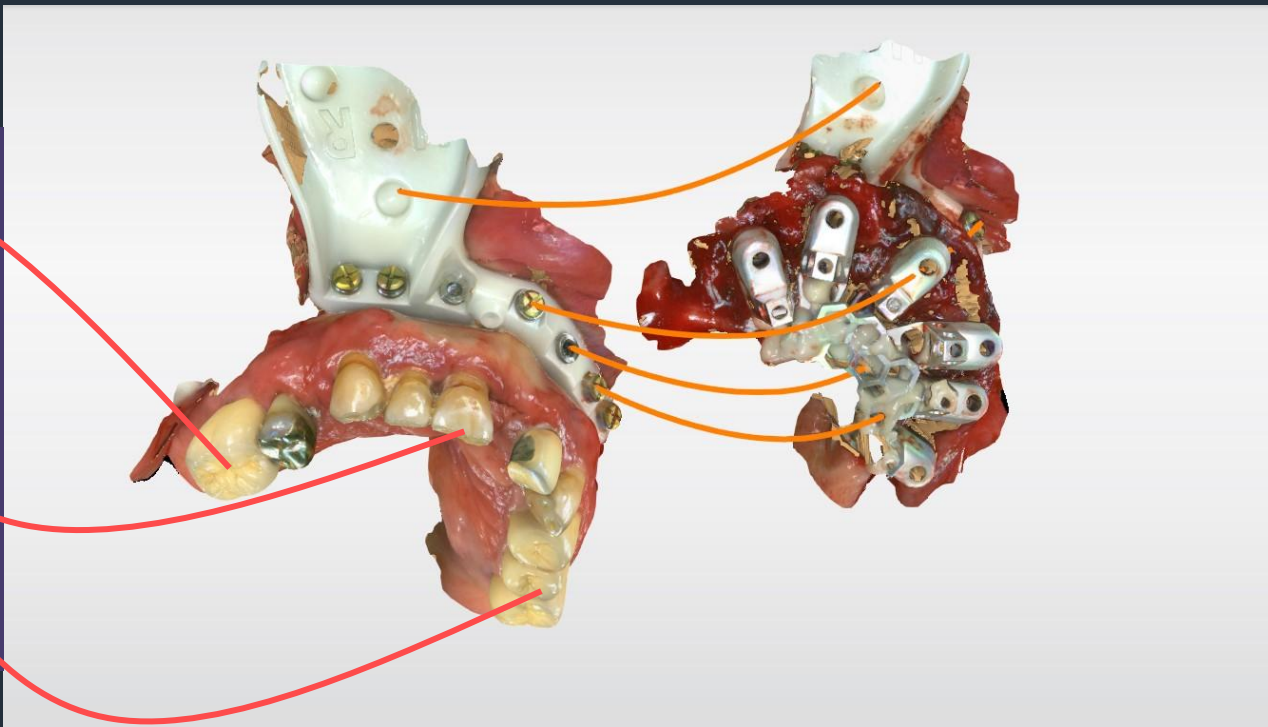
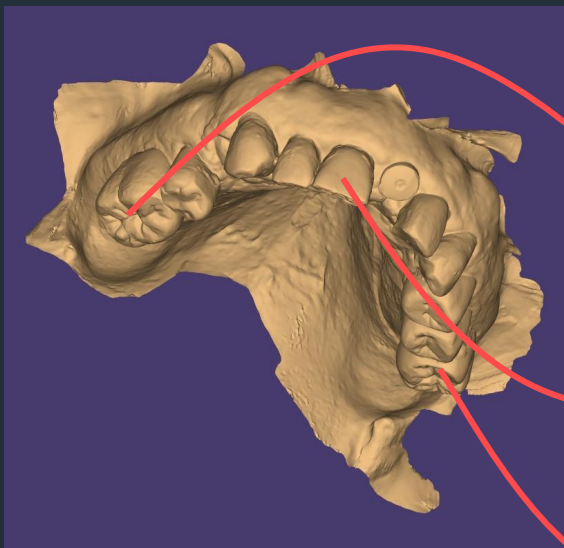


- Frame can be easily adjusted with clippers.
- Any composite or dual cure acrylic material can be used
- Frame should be positioned within 1mm of scan bodies to ensure highest degree of accuracy and minimize polymerization shrinkage.

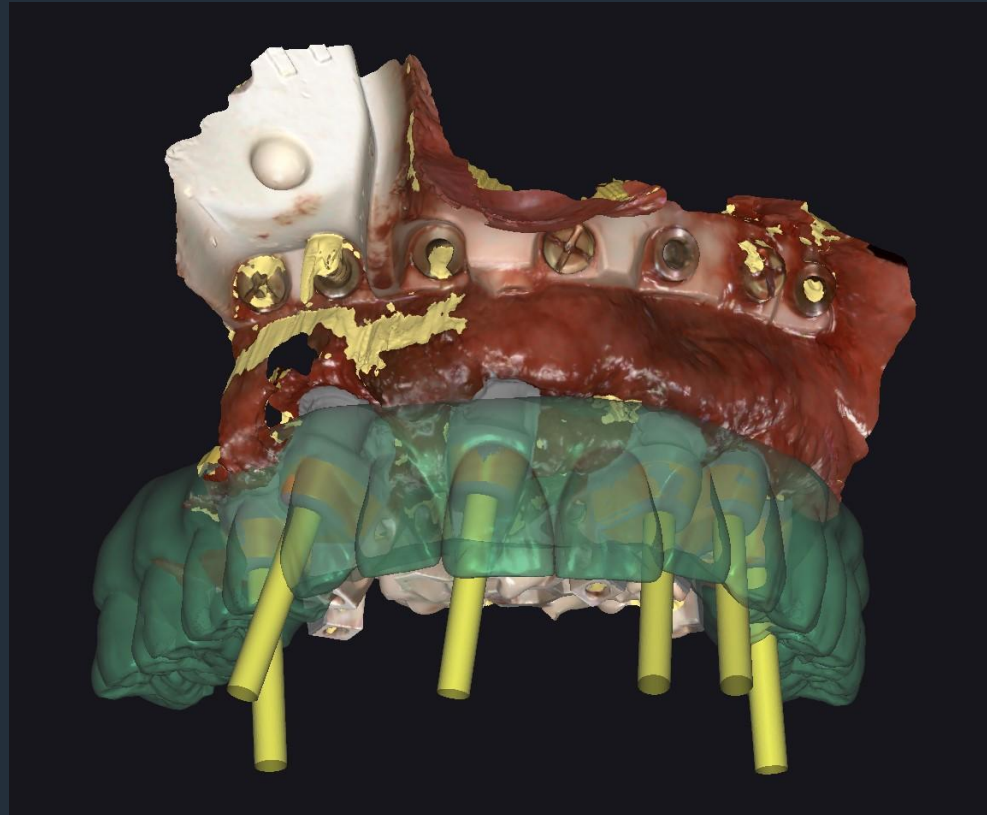
Step 7: Surgical Scan #2 - Scan OPTISPLINT & Fiduciary Marker



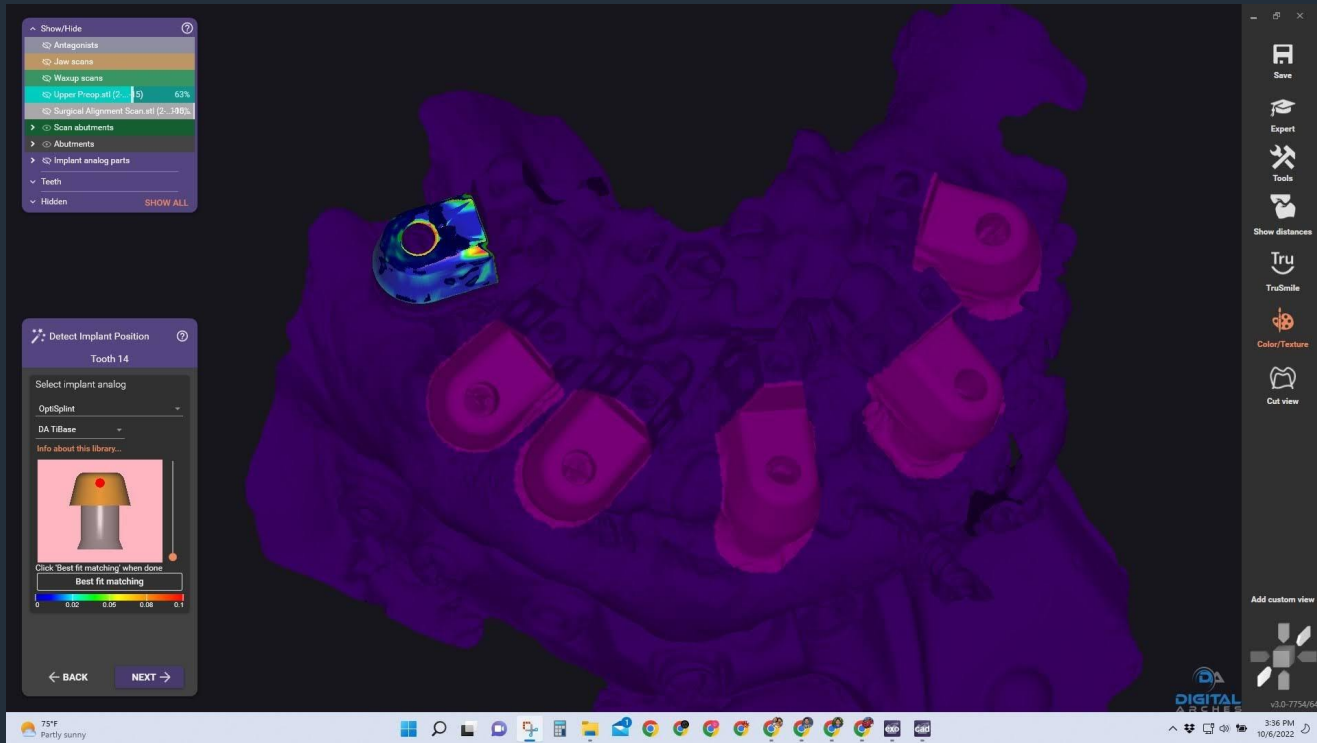
Step 8: Align Scans to Pre-op Records and Digital Wax-up



Step 8: Align Scans to Pre-op Records and Digital Wax-up

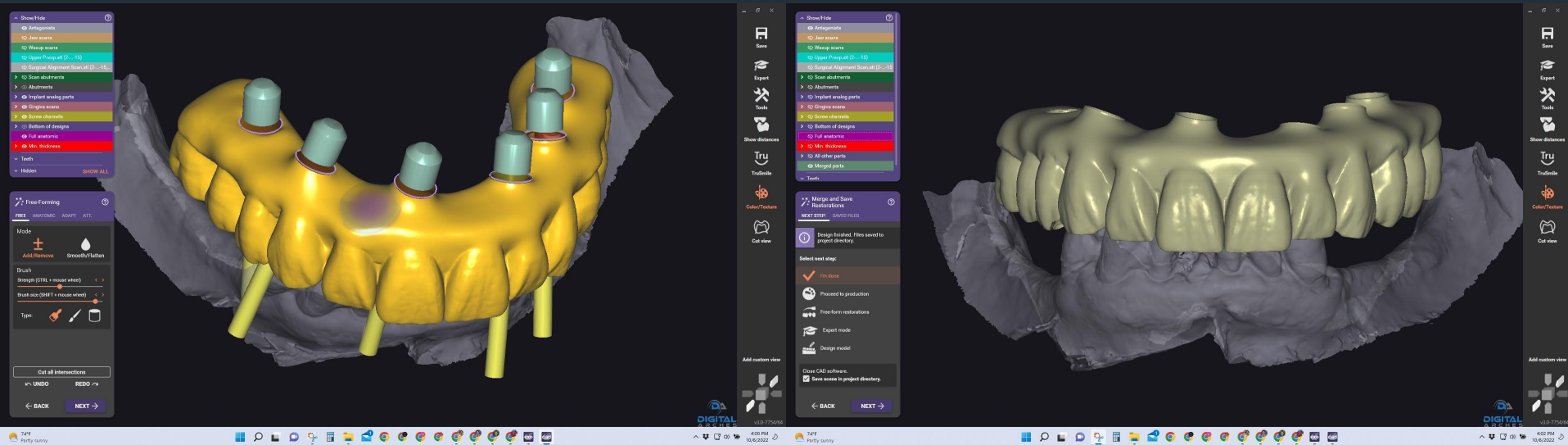


Step 9: Align Implant Positions in ExoCAD



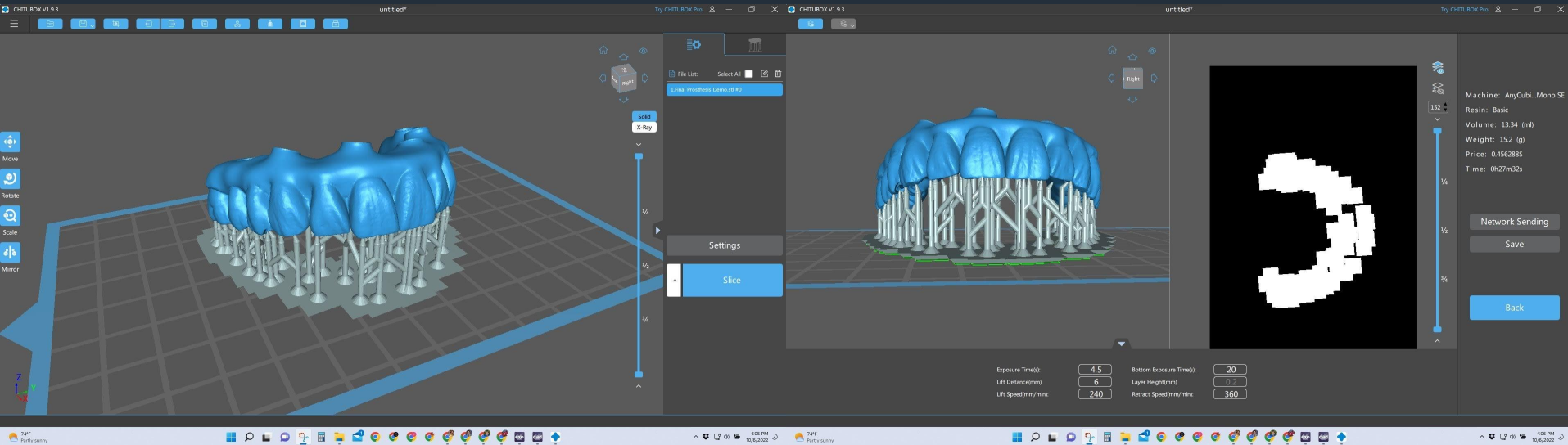
Open OPTISPLINT Scan Body Library is aligned to OPTISPLINT Scan Bodies

Step 10: Digital Conversion in ExoCAD



ExoCAD's built in wizard can be used to insert all the implant positions, create screw holes, adapt to the gingiva and clean up the design for a nice finished look that can be considered the patient's first try-in.

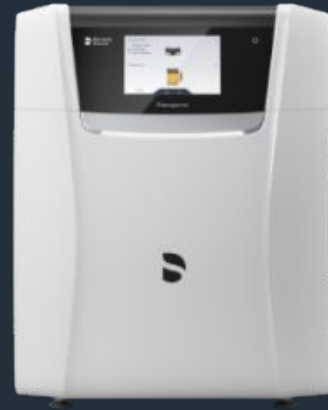
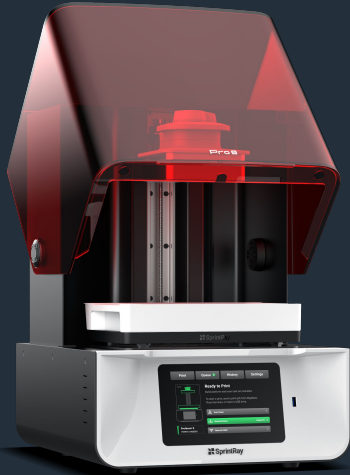
Step 11: 3D Print Prosthesis



Understanding how to set up and support the print is critical to a successful print

Knowing your material properties, printer nuances and how to manage them can determine both the quality and speed of your print.

Step 11: 3D Print Prosthesis



Any 3D printer can be used as long as it has a strong temporary material that it can print.

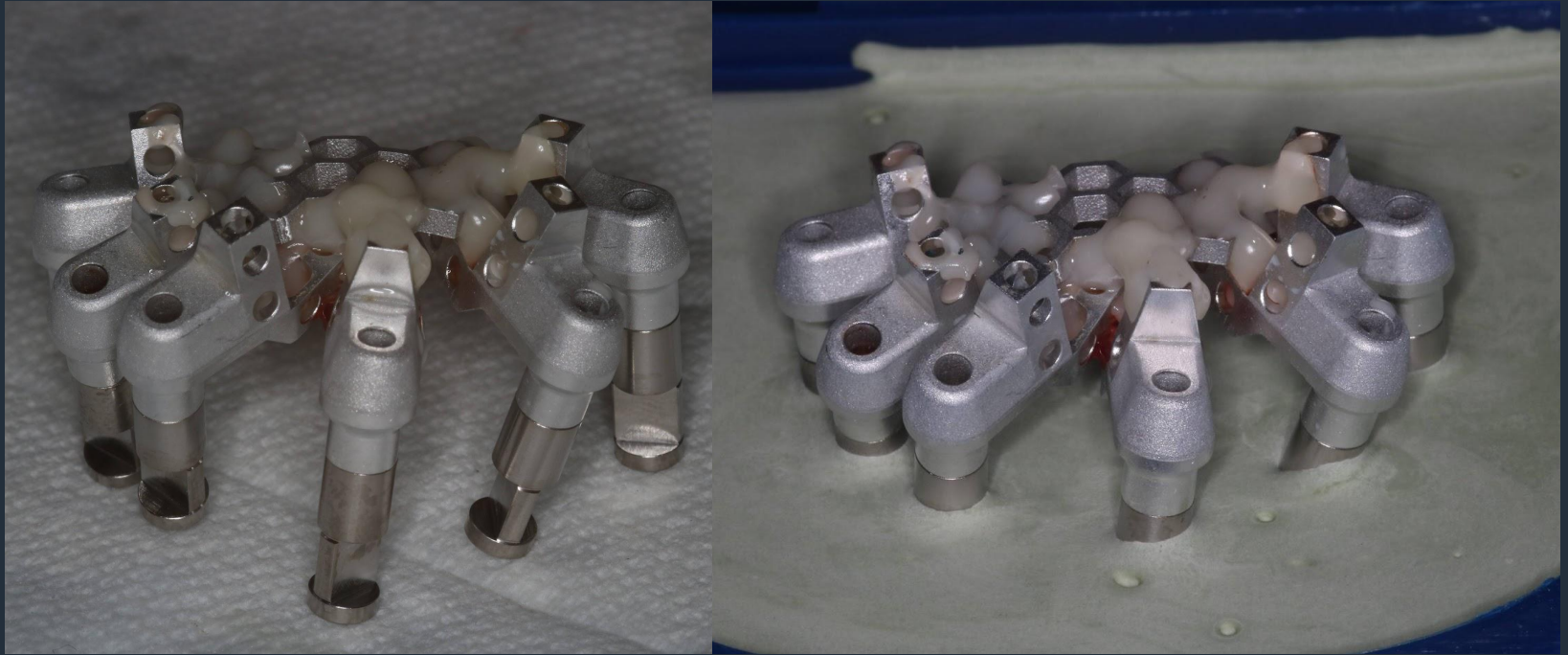


Step 13: Clean and Cure 3D print



Lots of ways to do this as well. But SprintRay has a nice simple solution.

Step 12: Pour Verified Stone Cast From OPTISPLINT



These models are fast and easy to make, even a quick stone patty model is sufficient.

Step 14: Cement Ti-Bases into Printed Temp on Verified Cast



Step 15: Characterize Temporary Prosthesis



Step 16: Take Photos for Instagram!



This temporary prosthesis will be your first verified try-in that is placed on the day of surgery.

Step 17: Seat Prosthesis on Patient



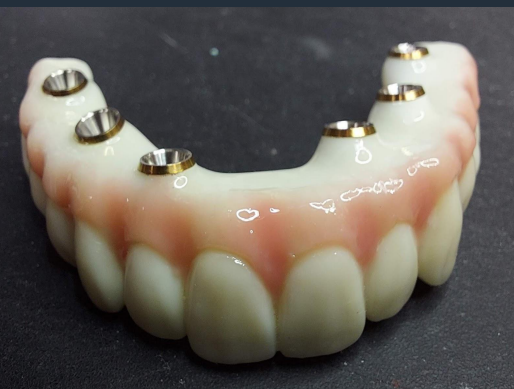
No bite adjustment required, patient went home very happy with the results



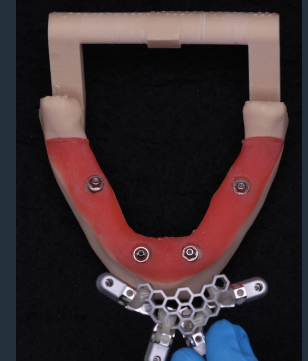
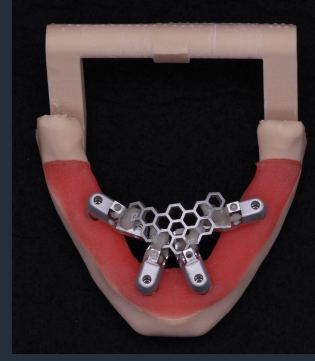
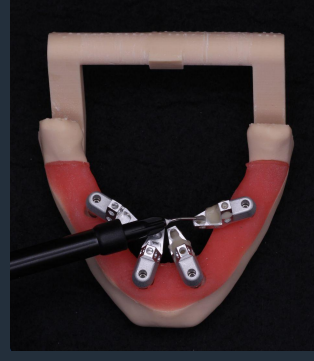
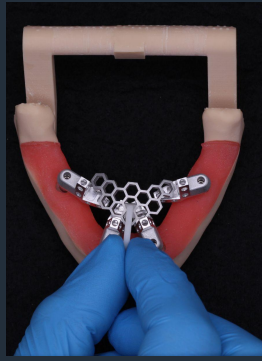
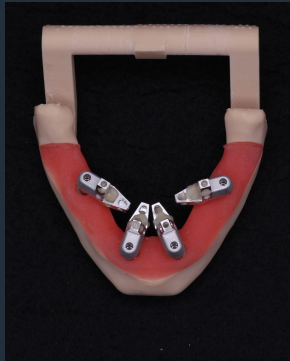
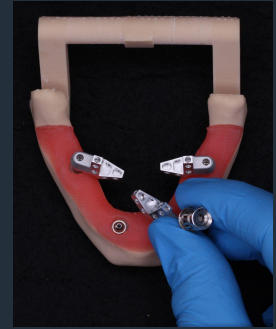
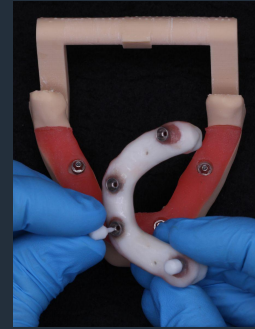
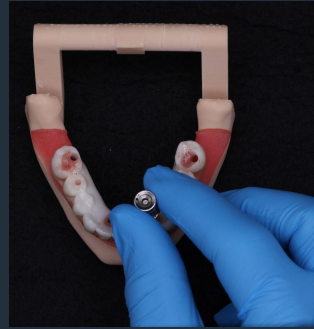
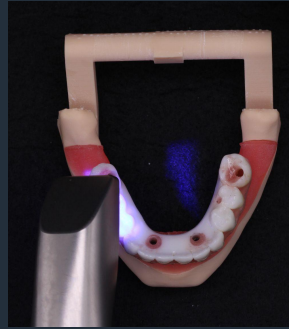
Before and After Photos

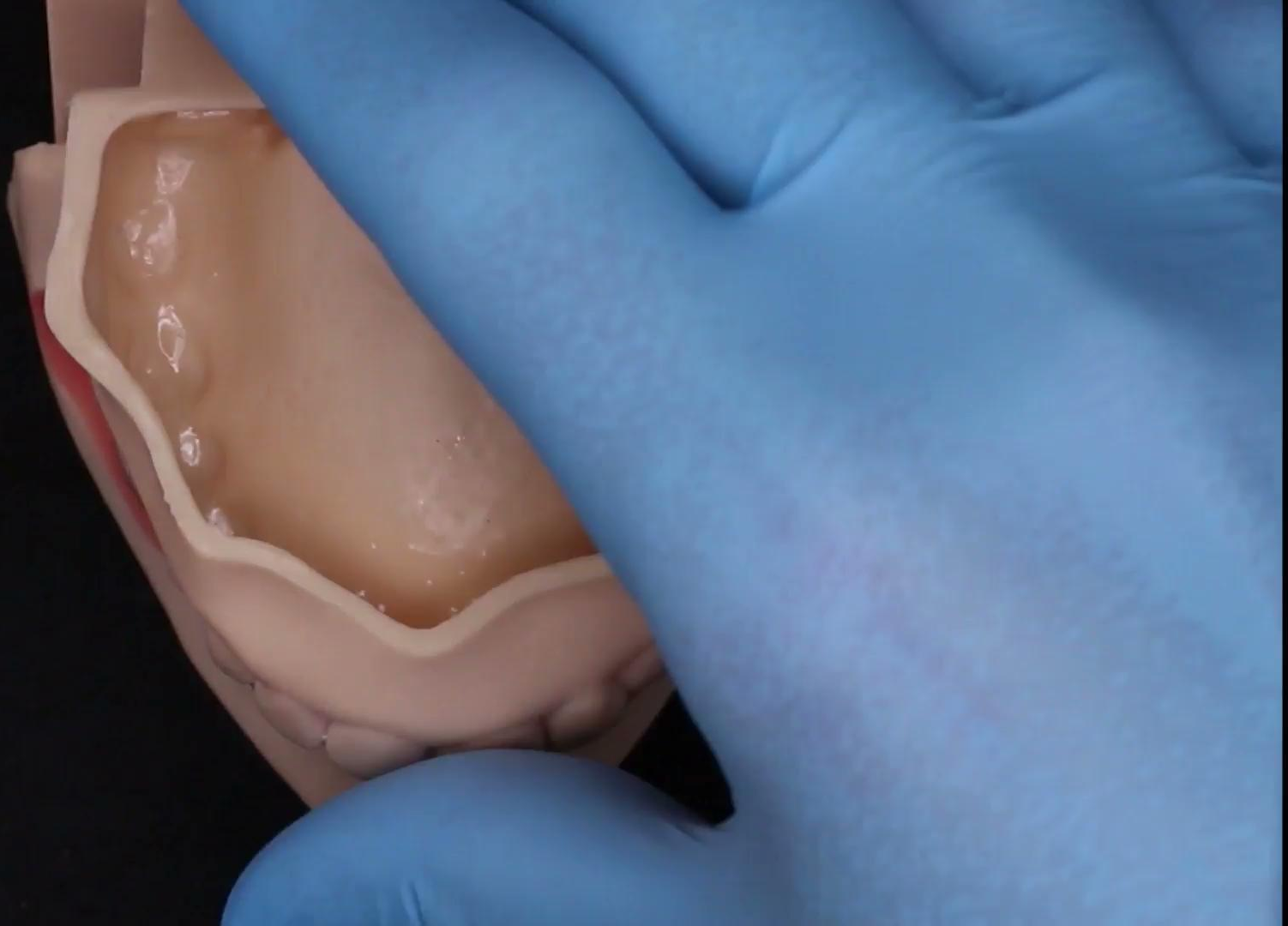


With OPTISPLINT, Immediate Prosthetics can Look Like Finals

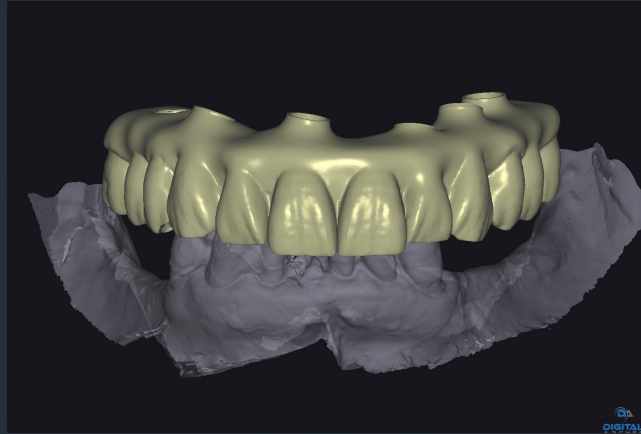


OPTISPLINT Restorative Workflow





With OPTISPLINT You Get the Efficiency of Digital Workflows and the Reliability and Versatility of Having a Verified Stone Cast



Digital Arches Pricing



OPTISPLINT KIT

Includes:

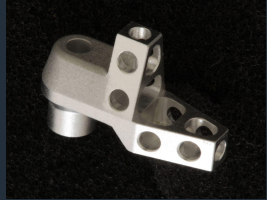
- 4 Scan Bodies with Screws
- 2 Frames and handles
- 12 Prosthetic ArchTracers

\$295 per kit



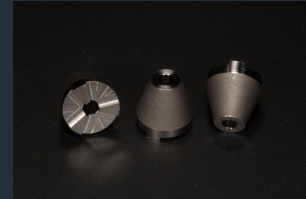
Prosthetic ArchTracers (Final Workflow Alignment Markers)

\$12 per 6-pack



OPTISPLINT Scan Bodies with Screws

\$95 each



Titanium Surgical ArchTracers
(Surgical Fiduciary Markers,
Requires 10-12mm bone screw)

\$145 per 3-pack



OPTISPLINT Screws

\$12 each

Thank You!!!

Russell J. Crockett

Cofounder

(520) 560-1690

rusc33@gmail.com



Danny Yao

Cofounder

(949) 302-4040

danny@digitalarches.com

DIGITAL
ARCHES

