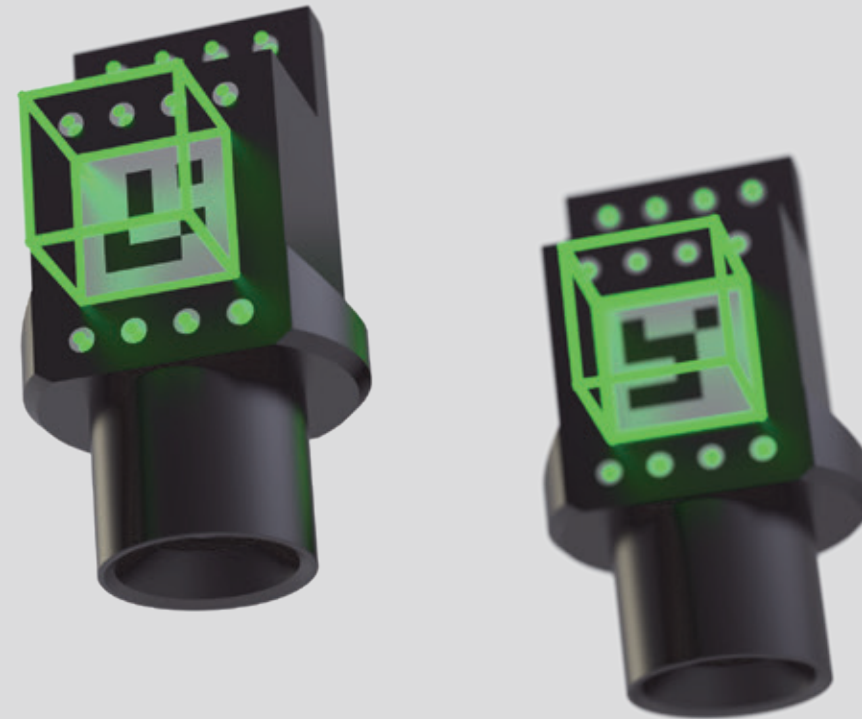


Here to Make a Mark on Dental History



T-Marker™ Manual

T-Marker™ Manual



1. Product Overview	p. 3
2. Components	p. 5
3. Instruction	p. 6
4. Capturing Instruction	p. 9
5. Workflow	p. 14
6. Maintenance	p. 20

1. Product Overview

T-Marker™ is a multi-unit abutment (MUA) detecting solution designed to be used with Apple® tablets. It provides clinically accurate MUA location data in .stl file format. This solution enables clinicians and dental laboratory professionals to capture MUA location data with consistency, accuracy, and efficiency throughout the restoration process.



All-on-T

- Hex 1.25 Screw Driver
- HS Cap Small x 10
- T-Marker x 10

URIS

- Hex 1.25 Screw Driver
- HS Cap Small x 10
- T-Marker x 10

Straumann®

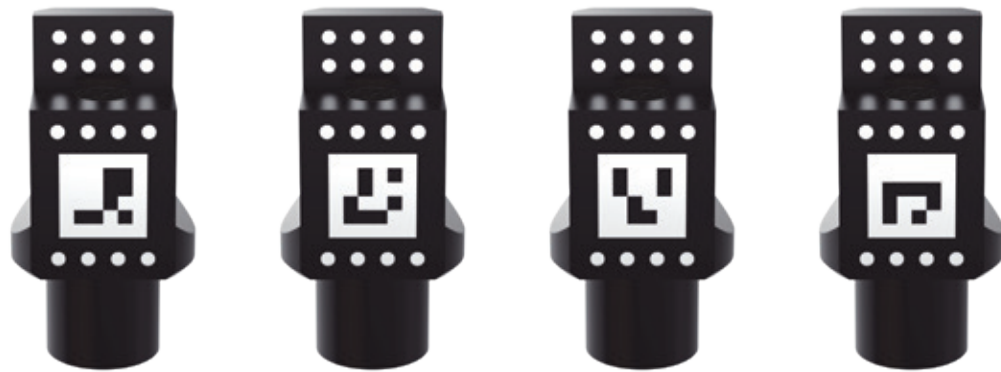
- Torx Screw Driver
- ST35 HS Cap Small x 2
- ST35 T-Marker x 2
- ST46 HS Cap Small x 10
- ST46 T-Marker x 10

1. Product Overview

Intraoral scanners can encounter stitching errors or limited access around scan bodies making it difficult to capture accurate MUA positions. T-Marker™, an extraoral data detecting solution, that requires no calibration while ensuring reliable and efficient MUA identification.



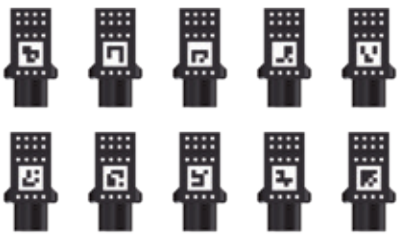
iPad Pro®



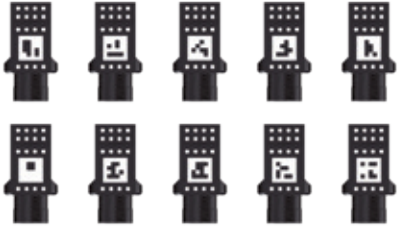
T-Marker™

2. Components

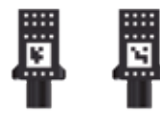
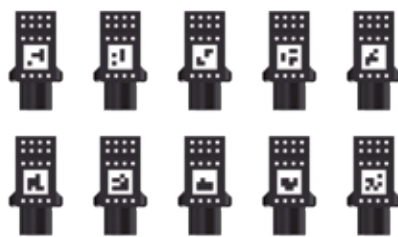
All-on-T

Type of Product		Item No.	Quantity	Image
T-Marker™ Kit All-on-T		TMK-AT	1	
All-On-T (M 1.4)	Hex 1.25 Screw Driver	TDH-H12510	1	
	HS Cap Small	HSS-AT	10	
	T-Marker™	TM-AT01 TM-AT10	10	



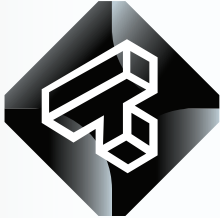
Type of Product		Item No.	Quantity	Image
T-Marker™ Kit URIS		TMK-UR	1	
URIS (M 1.6)	Hex 1.25 Screw Driver	TDH-H12510	1	
	HS Cap Small	HSS-UR	10	
	T-Marker™	TM-UR01 TM-UR10	10	

Straumann®

Type of Product		Item No.	Quantity	Image
T-Marker™ Kit ST		TMK-ST	1	
ST35	Torx Screw Driver	TDH-TX10	1	
	HS Cap Small	HSS-ST35	2	
	T-Marker™	TM-ST3501 TM-ST3502	2	
ST46	HS Cap Small	HSS-ST46	10	
	T-Marker™	TM-ST4601 TM-ST4610	10	

- If a marker is misplaced or lost, please contact us at sales@truabutment.com. Individual T-Marker™ replacement is available for purchase.

3. Instruction



T-Marker™
Compatibility

All-on-T
M 1.4

	AlphaBio		MegaGen
	Adin		Medentis Medical
	ACH Medical		Meisinger
	BioHorizons		Medentika
	Biomet 3i		NobelBiocare
	Camlog		Neodent
	Dentsply Sirona		NeoBiotech
	DENTIS		SWEDEN & MARTINA
	DESS		Southern Implants
	ETK Tetra		S.I.N Implant
	Hiossen		THOMMEN Medical
	J Dental Care		ZimVie



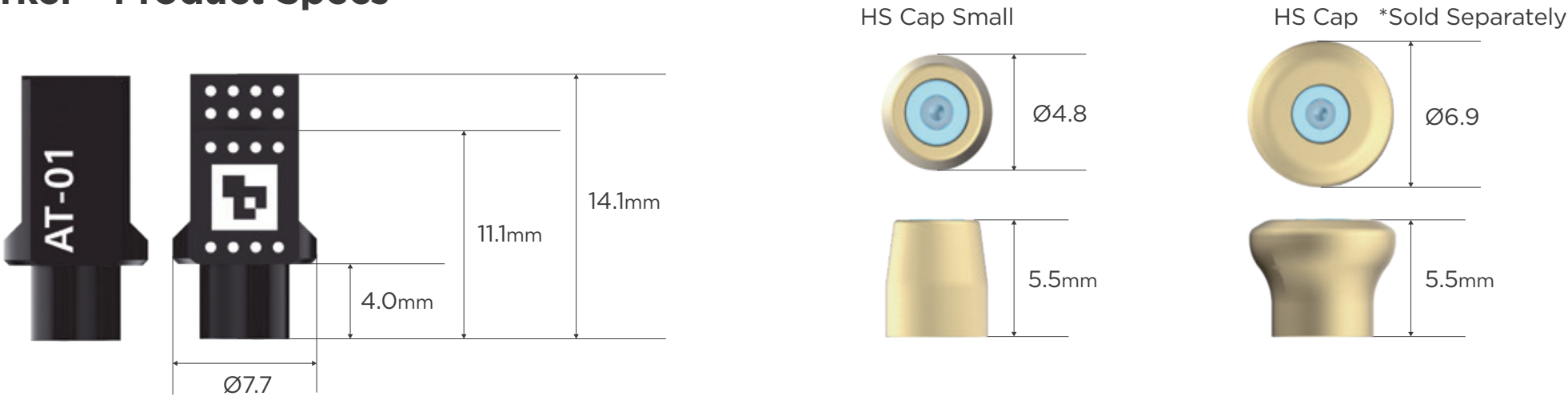
uris
M 1.6

	MIS
	Ritter

3. Instruction

Each T-Marker™ is individually identified by its own set of markings. The kit contains markers with 10 consecutive numbers. If a marker with a specific number is lost or damaged, a marker with the same identification number must be purchased to replace it. For example, if AT-01 marker is misplaced, another AT-01 marker has to be ordered.

T-Marker™ Product Specs



Caution

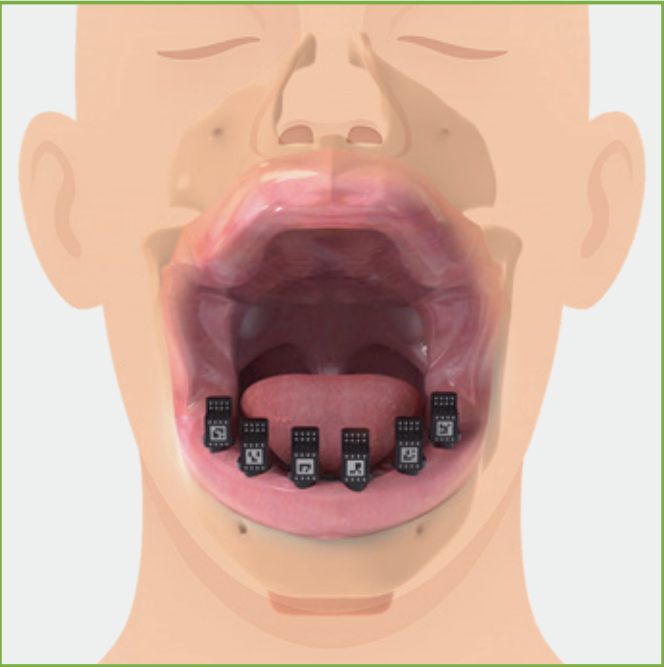
T-Marker™ application is only compatible with the 2024 iPad Pro® or newer.



Recommendation

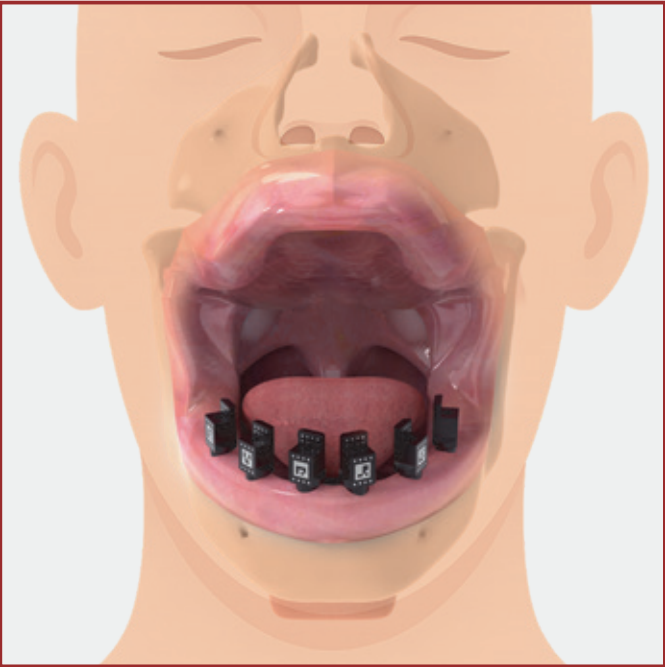
Position all T-Markers™ facing forward for accurate detection.

Do



All markers facing front

Avoid



Avoid all markers facing different direction

3. Instruction

1. Capturing Status

These T-Marker™ icons display the capturing progress. The number of markers you selected is shown on the top of the screen. A white checkmark appears when the capture process is 100% complete.

2. T-Marker™ Recognition

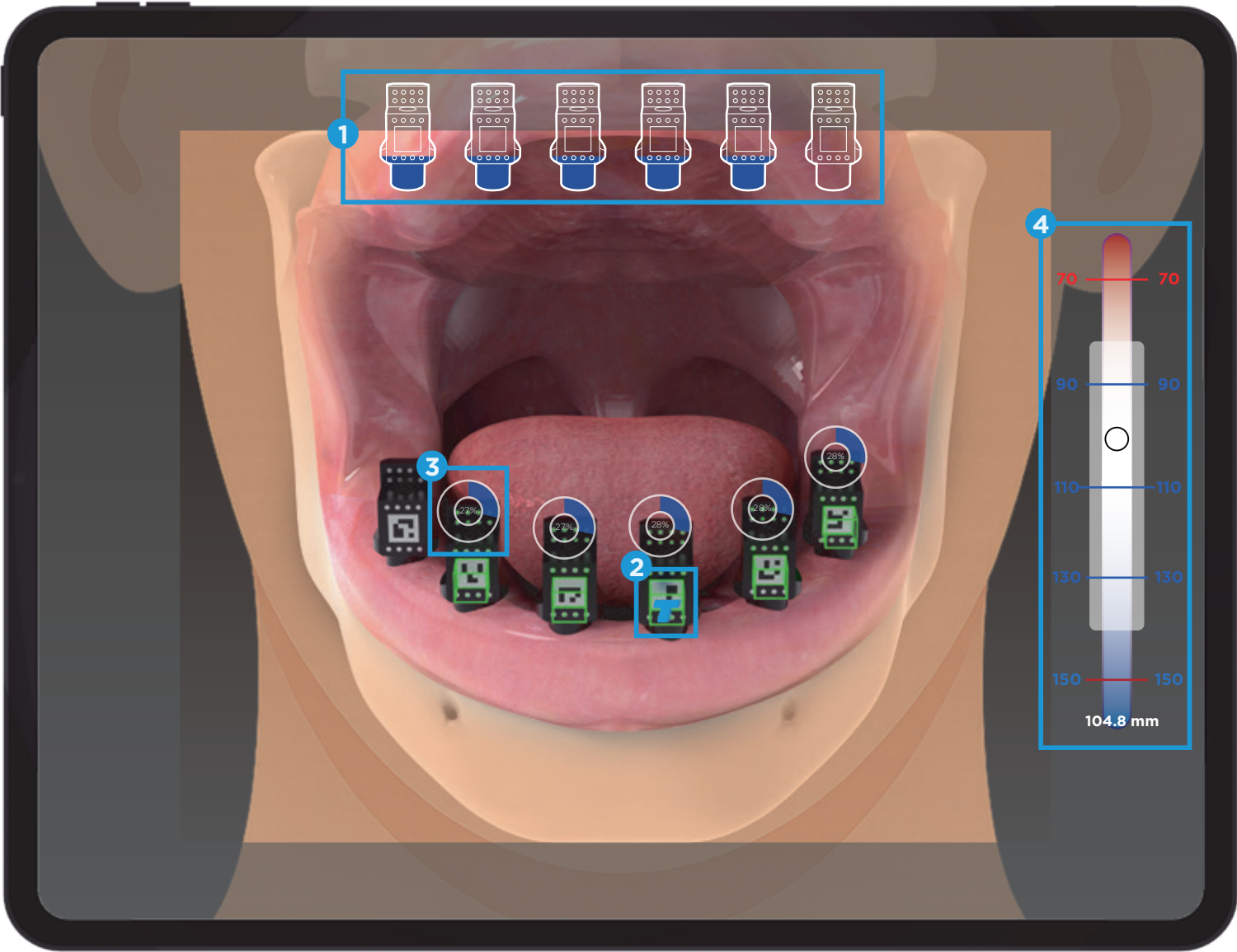
The green cube indicates that the camera is correctly focused on a particular T-Marker™, and positioned at an optimal angle of approximately 45° towards the marker.

3. Detection Progress

A blue circular progress indicator appears above each marker, showing where detection is occurring. Move the camera continuously without losing focus. When marker detection is complete, a white checkmark and a “DONE” message are displayed.

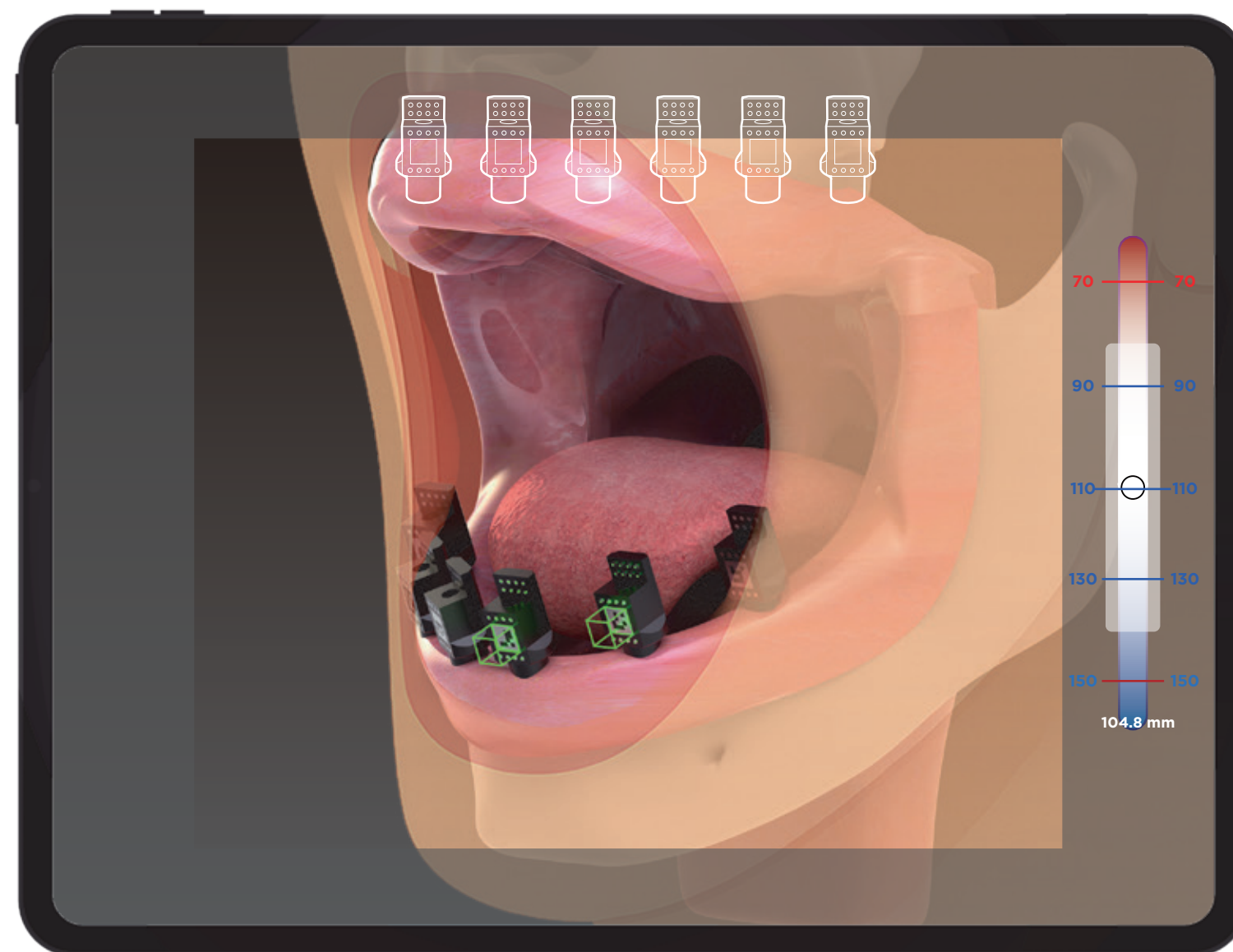
4. Distance Gauge

The distance gauge shows the distance between the T-Marker™ and the tablet. The white circle will be centered when the distance is ideal within 3–5 inches. If the camera is farther than the ideal distance, the screen will turn blue. If it is too close, the screen will turn red.



4. Capturing Instruction

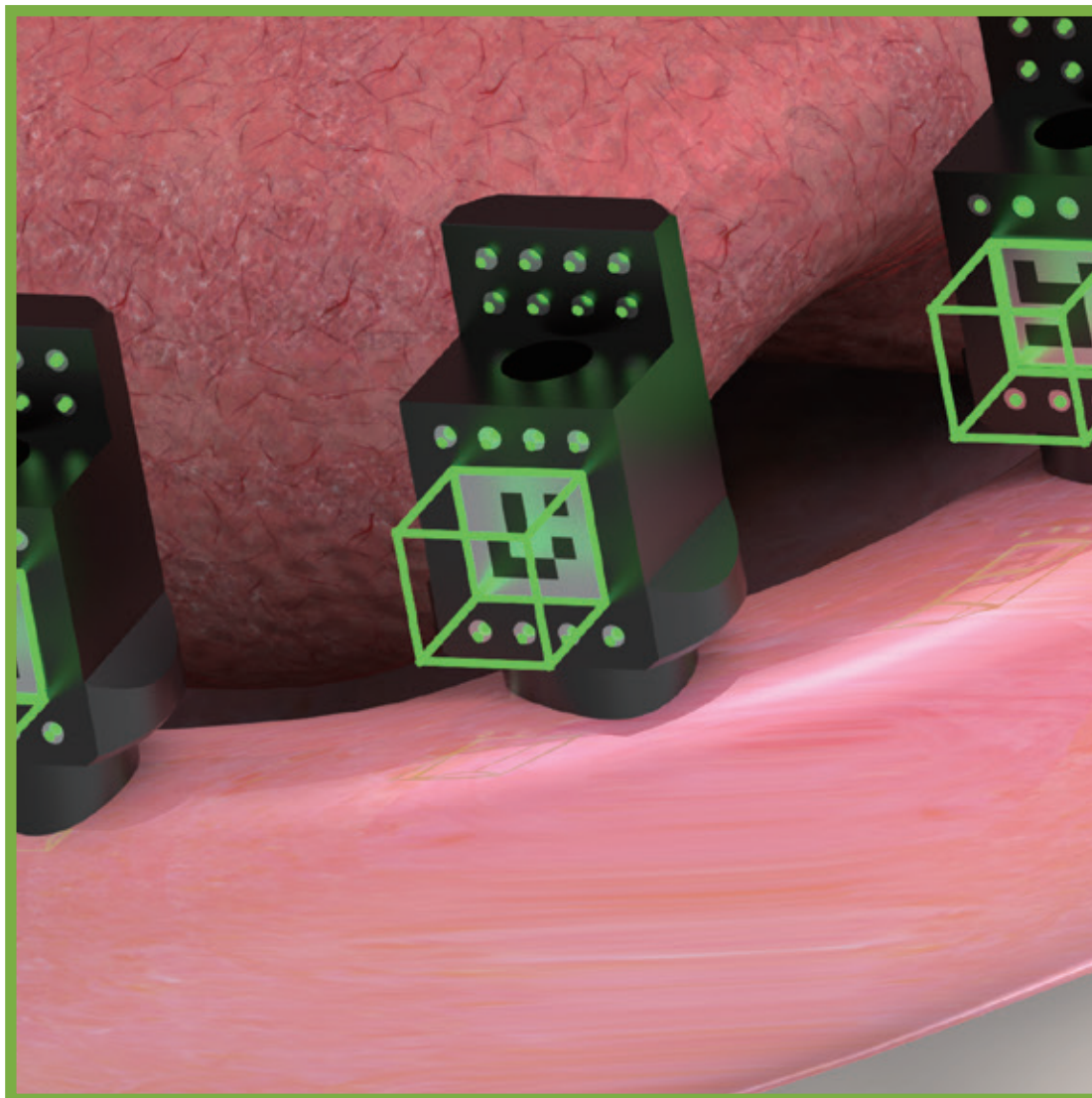
For the correct usage of T-Markers™, a minimum required number of markers is at least three. If less than three markers are engaged, the tablet will not recognize the markers.



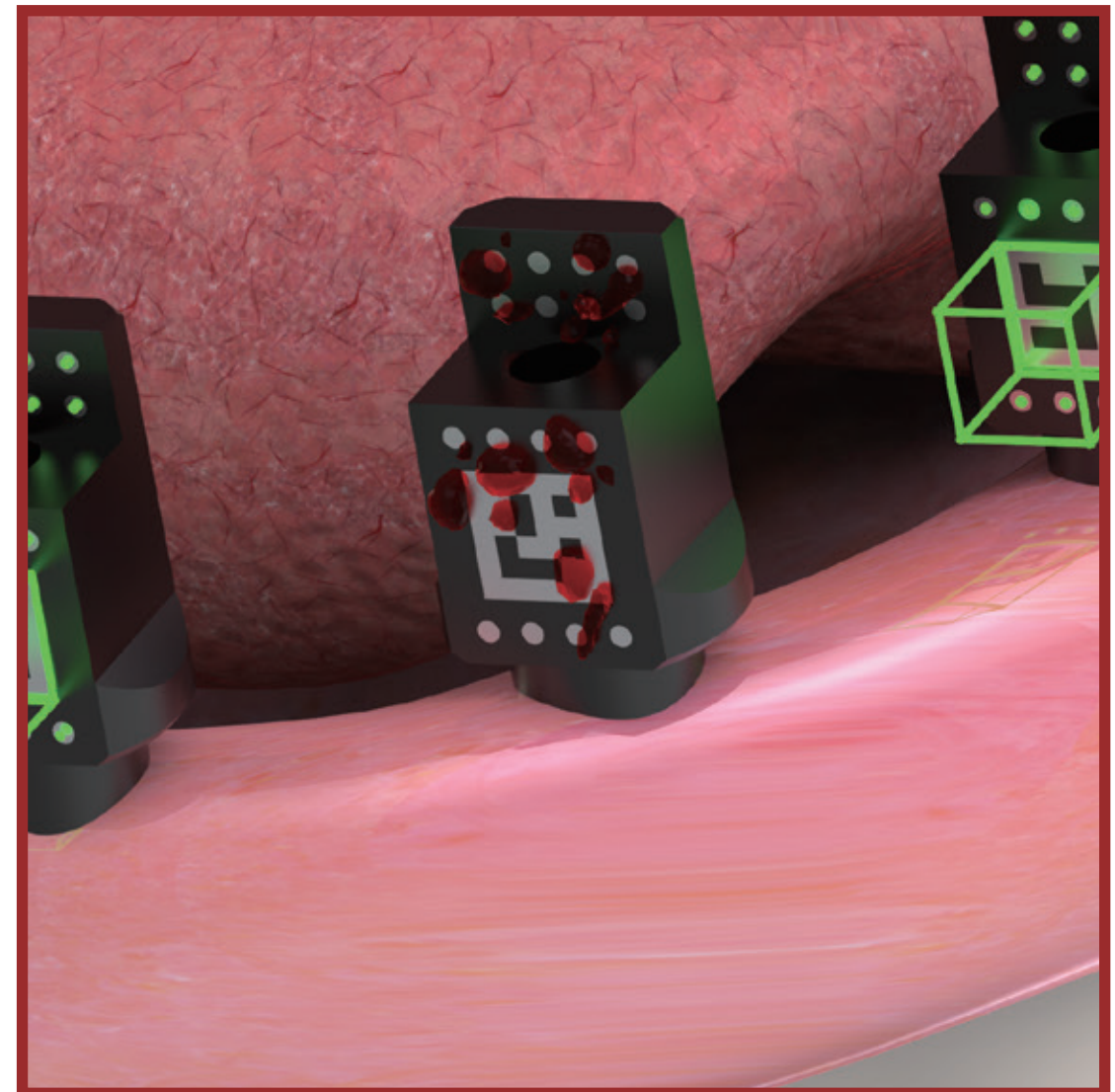
4. Capturing Instruction

The T-Markers™ should not be covered by anything, as this will affect the accuracy of the results. All dots and markers should be clear and visible before capturing.

Do

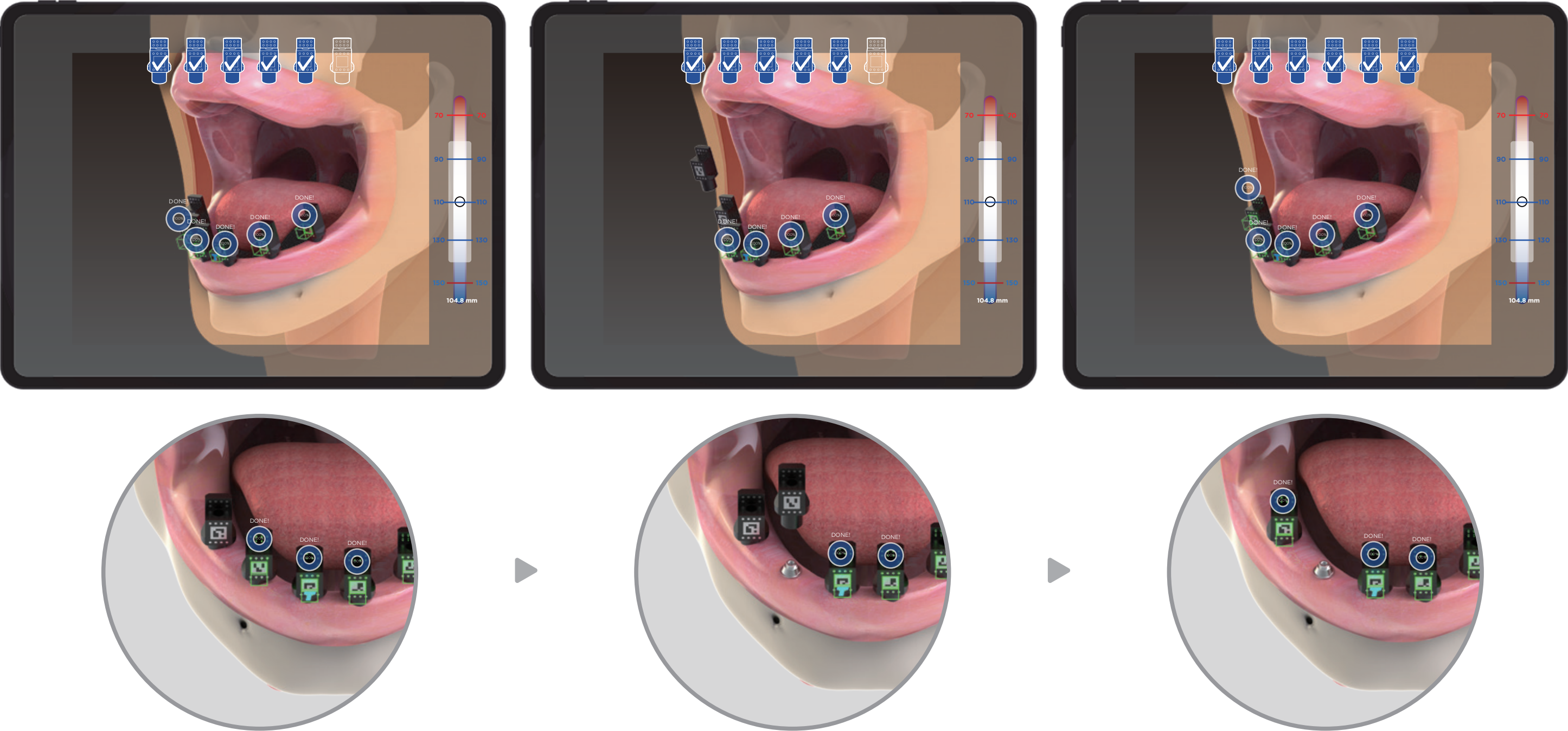


Avoid



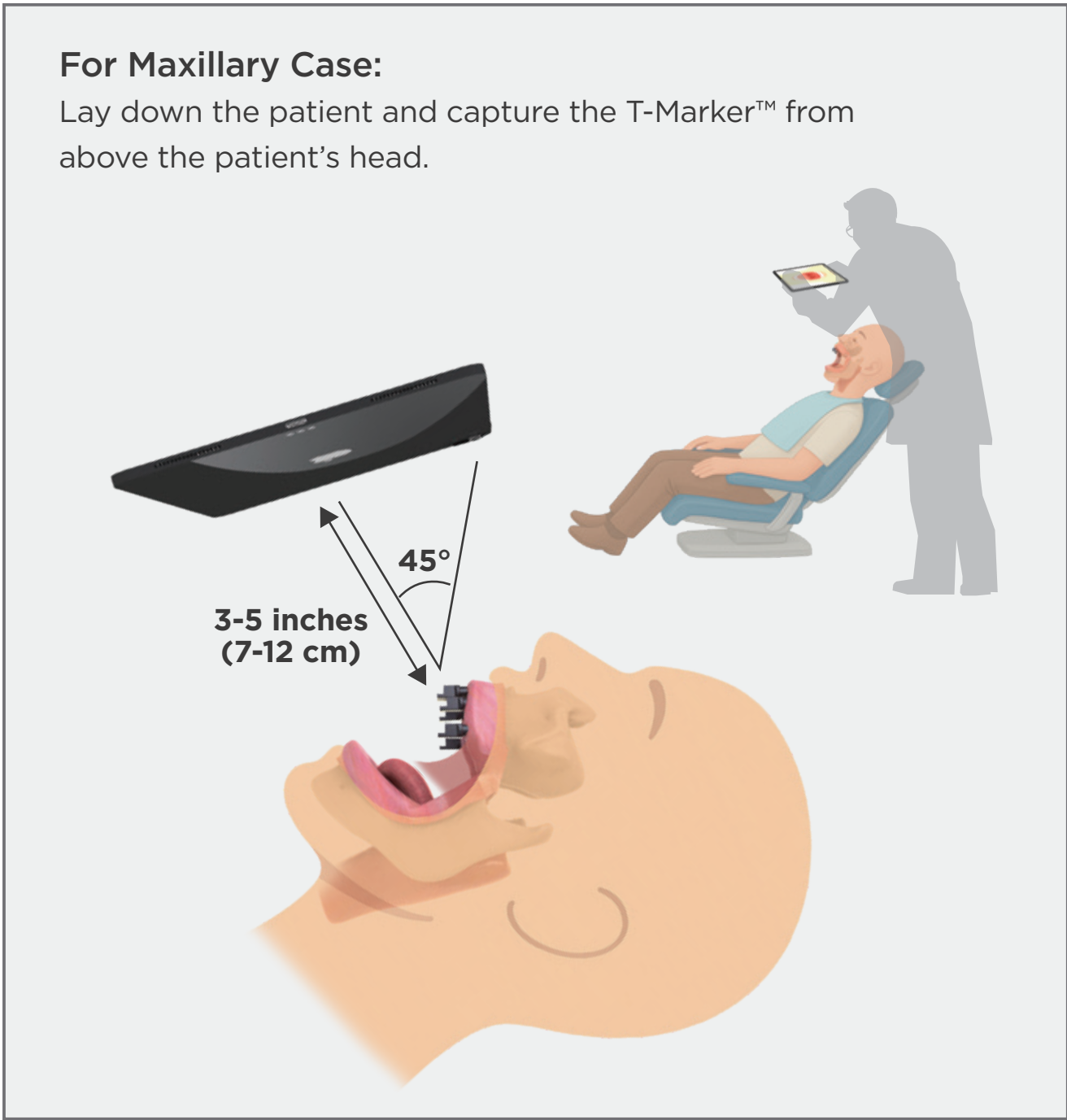
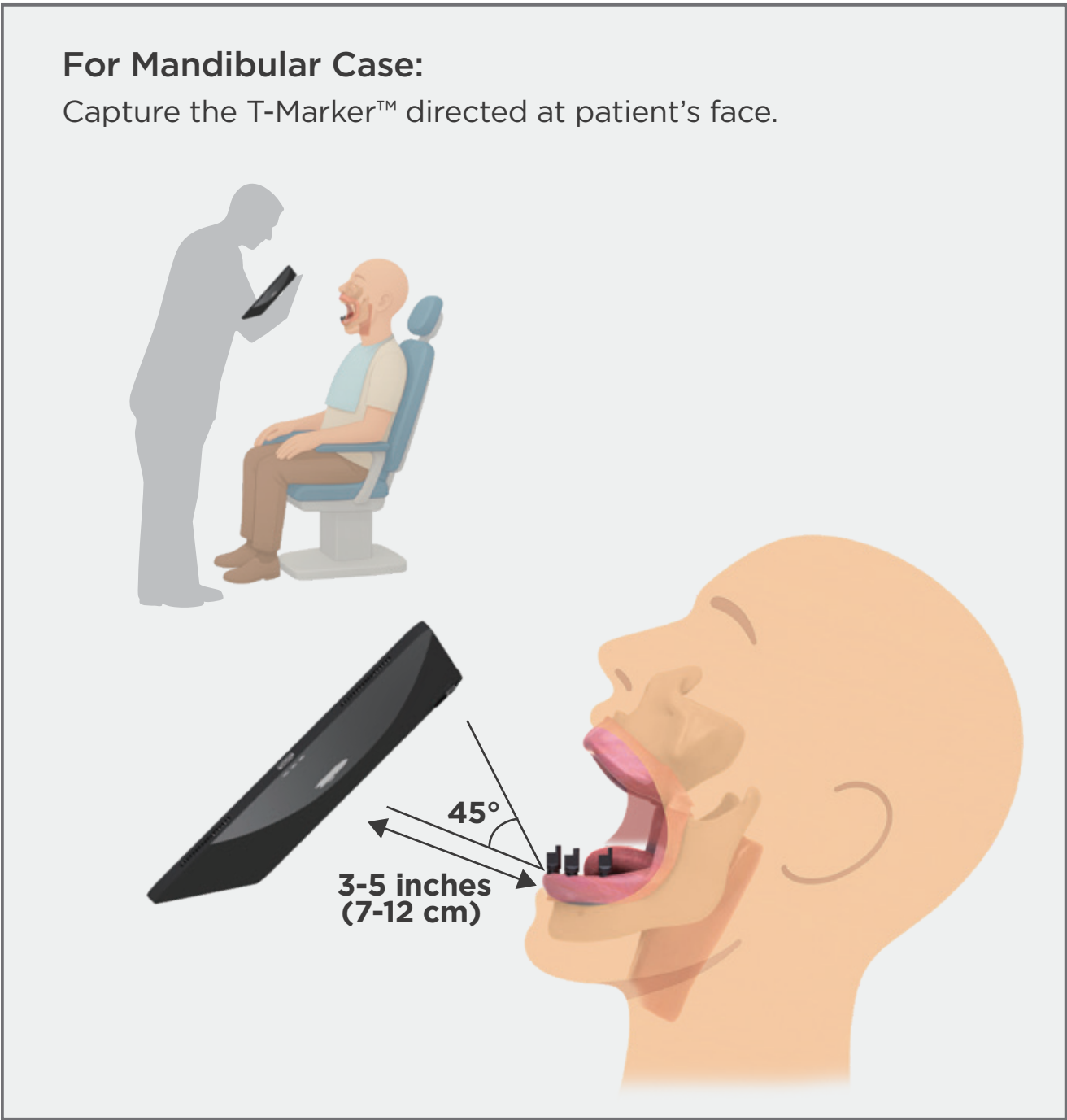
4. Capturing Instruction

If a T-Marker™ obstructs the detection of other marker(s), fully capture the blocking marker and then remove it. Then proceed to capture the remaining marker(s). Be careful not to move or unscrew the other markers, as this may affect the accuracy of the results.



4. Capturing Instruction

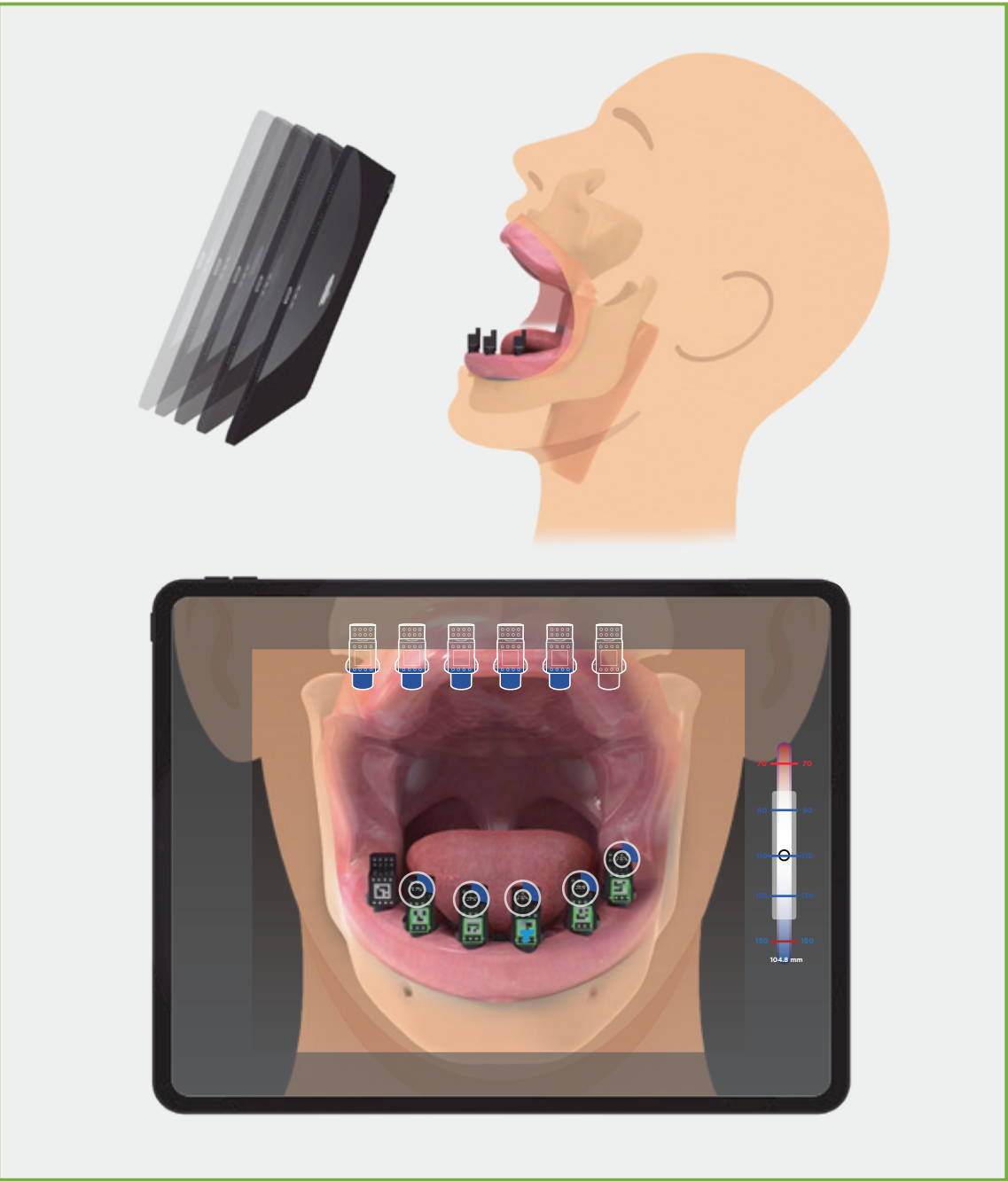
The T-Marker™ is optimally detected when positioned at a 45° towards the marker and maintained at a distance of 3-5 inches (7-12 cm) away from the marker.



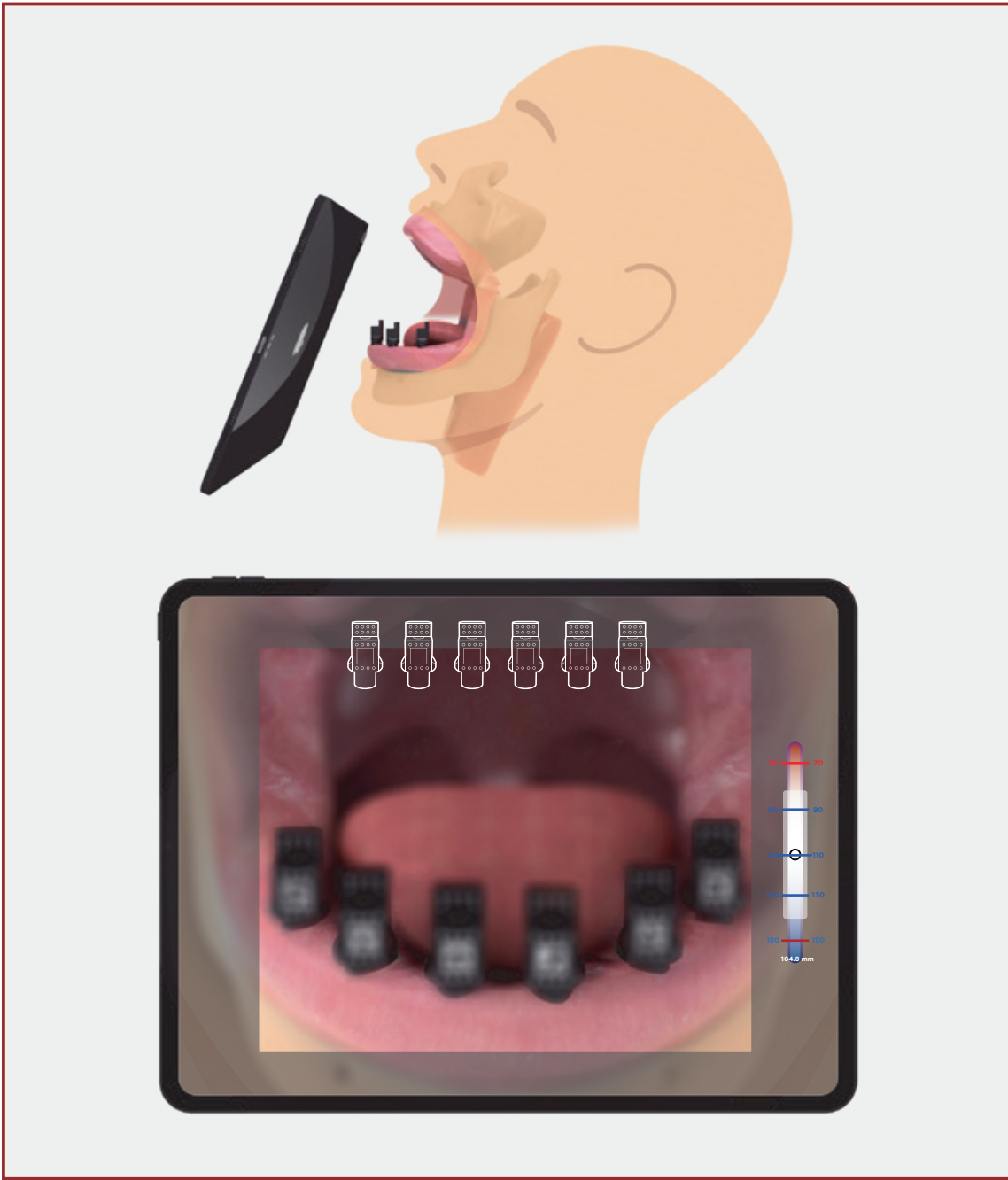
4. Capturing Instruction

To activate auto-focus for T-Marker™ detection, start by holding the camera farther (8 inches) away, then slowly move closer (5-3 inches) until the markers are recognized. The small cross displayed on the screen must be centered on the marker to enable auto-focus function.

Do

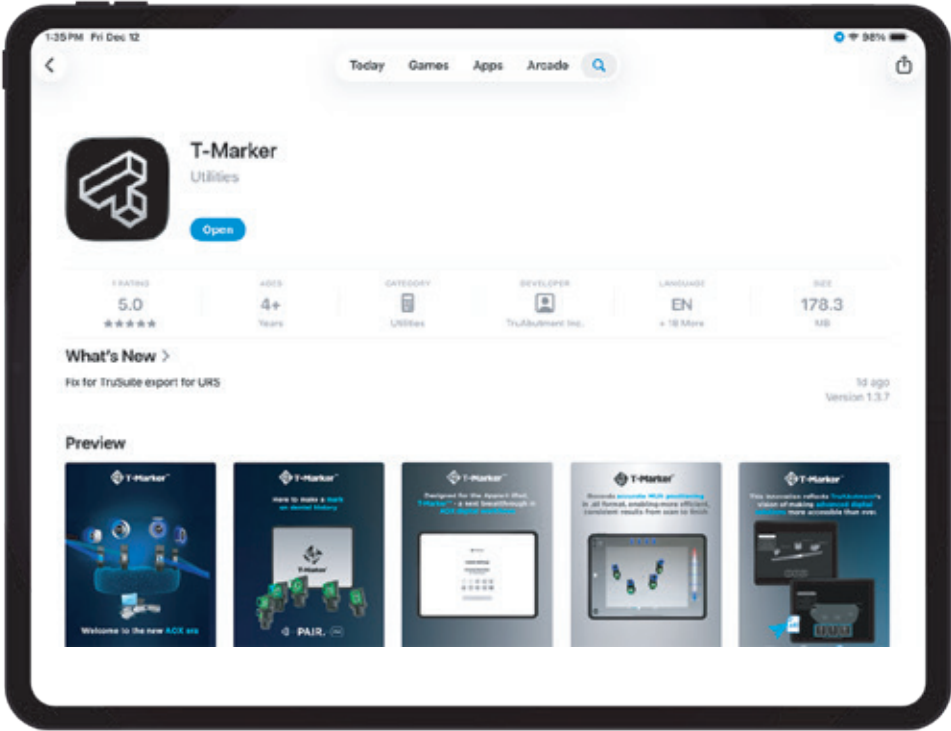


Avoid

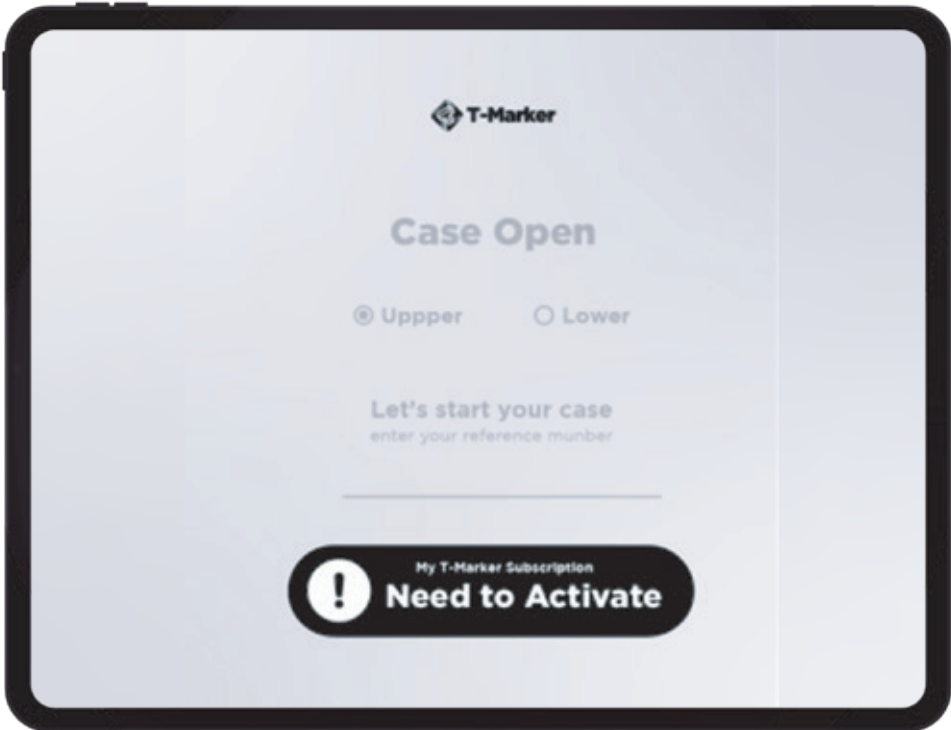


5. Workflow

① Download T-Marker™ application from the App Store®.



② New users have to click “Need to Activate” and choose the subscription option desired.

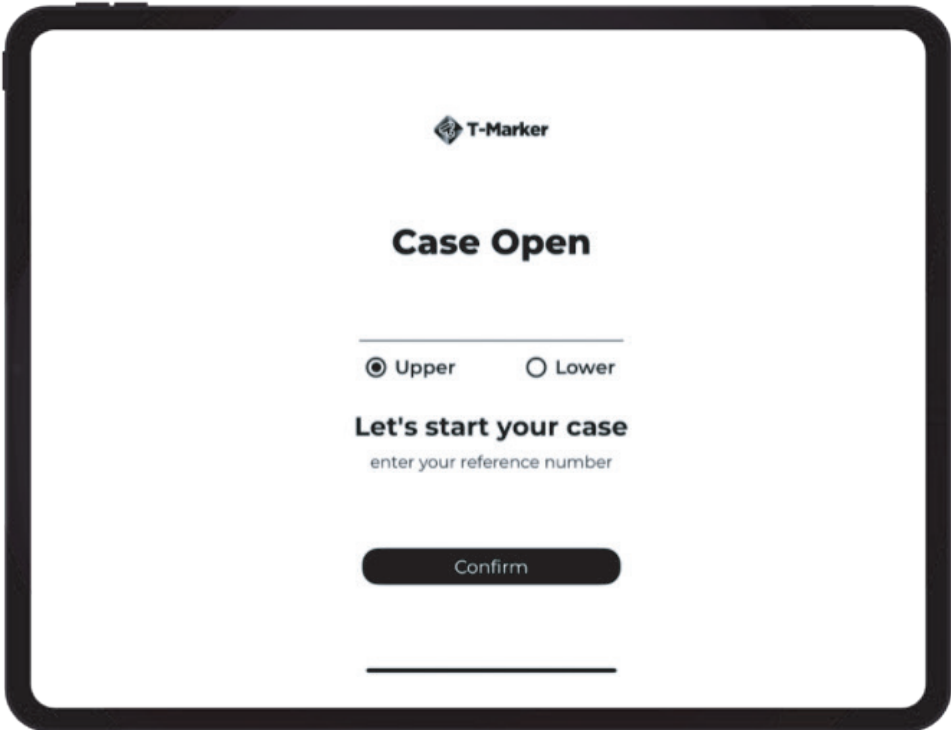


5. Workflow

③ Pair the Apple® tablet with the TruSuite T-Marker™ application. Enter the tablet’s 9-digit number into the application to complete pairing.

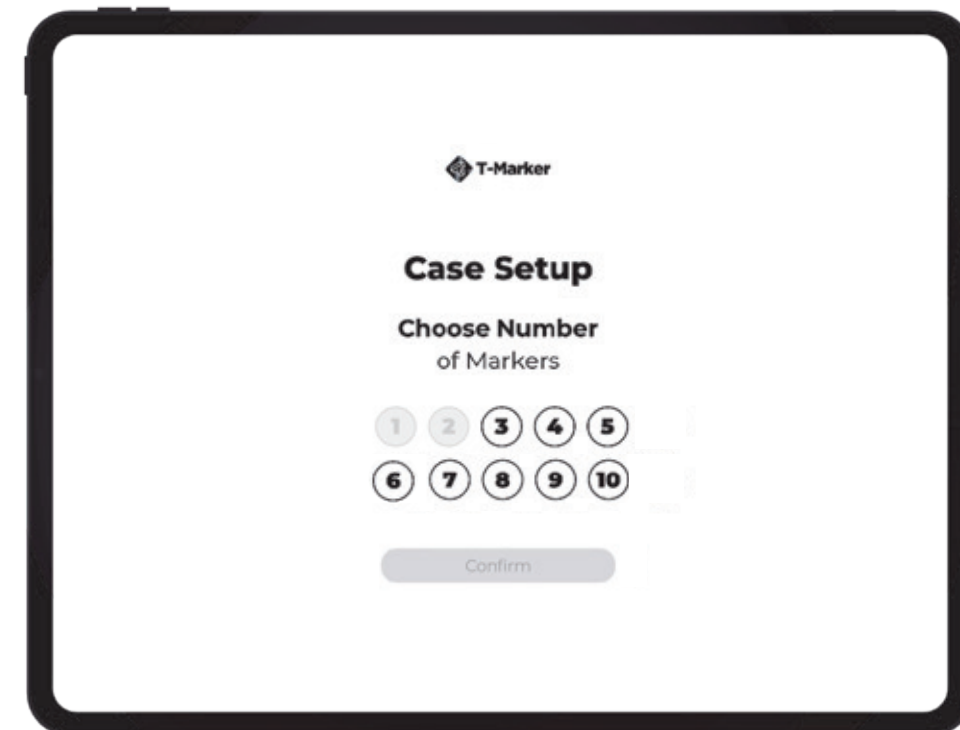


④ Select the case type (Upper or Lower). Then, enter the case name or number.

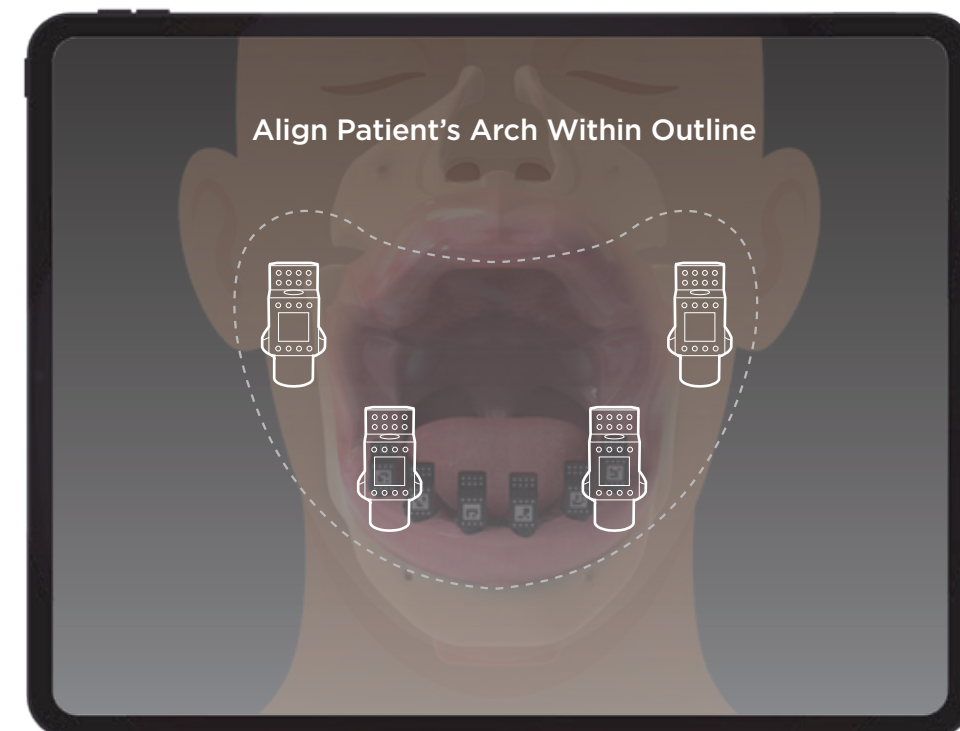


5. Workflow

- ⑤ Select the number of markers to capture. The T-Marker™ can detect up to 10 markers simultaneously. Detection time will depend on the number of markers.

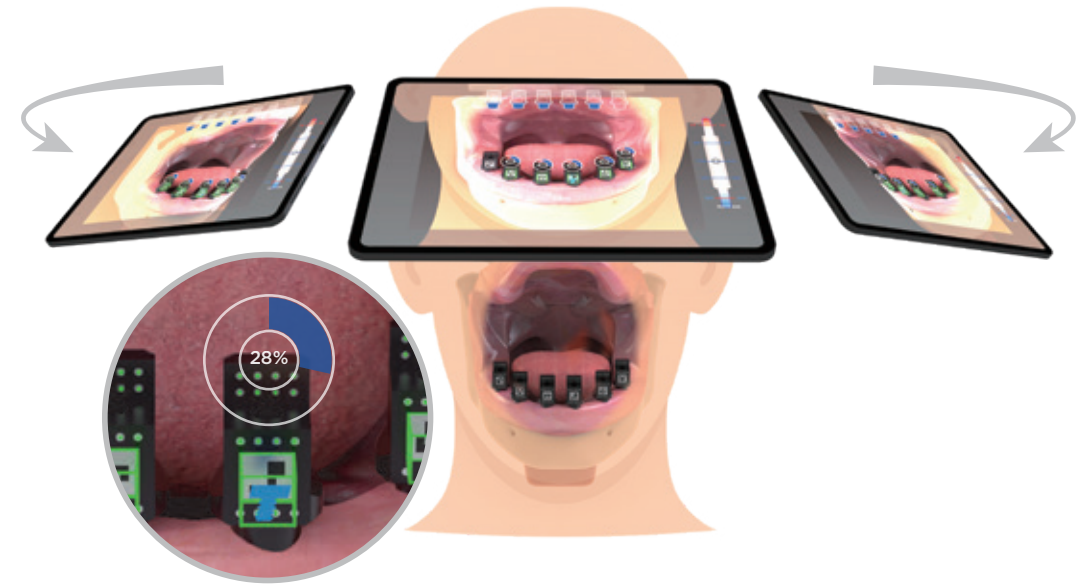


- ⑥ Align the on-screen outline with the patient's arch.

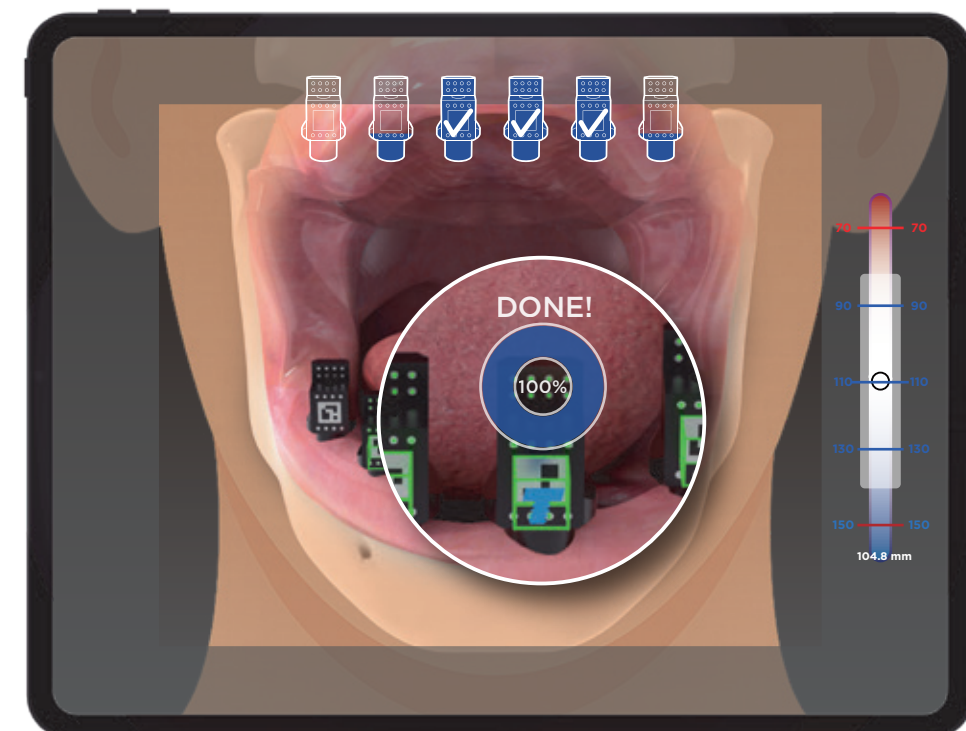


5. Workflow

- ⑦ Start the camera to detect the T-Markers™. A blue circular indicator above each marker shows the detection progress. Move the camera approximately 10° to the left, return to the center, and then rotate approximately 10° to the right to capture each marker's positional data.



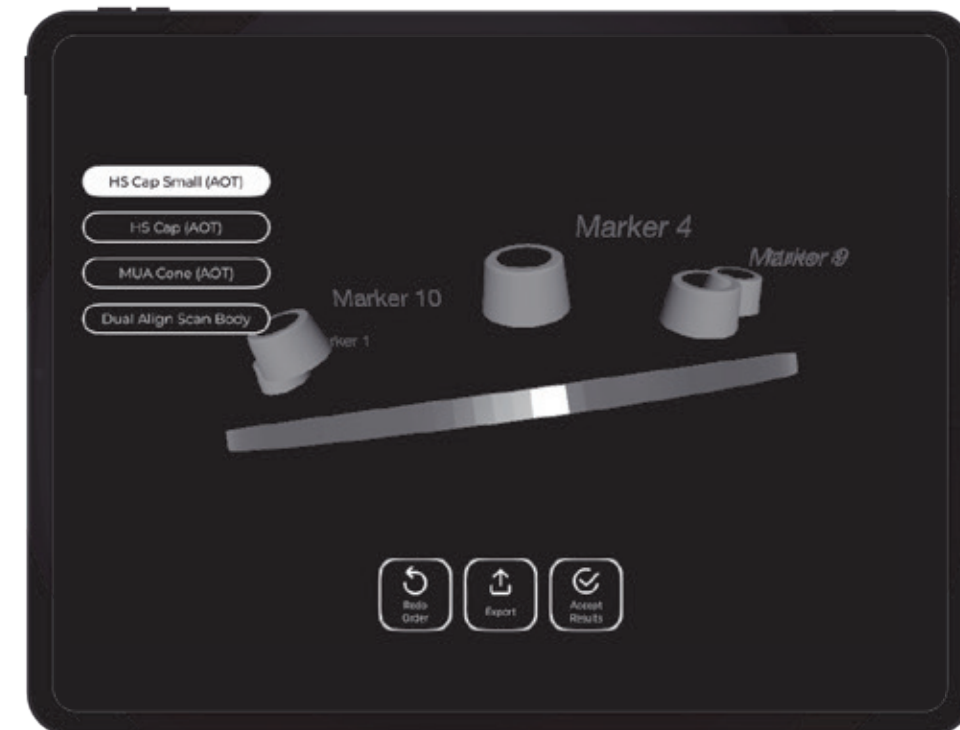
- ⑧ Each T-Marker™ will display “DONE” when capturing reaches 100%, confirming that the marker's positional data has been accurately captured.



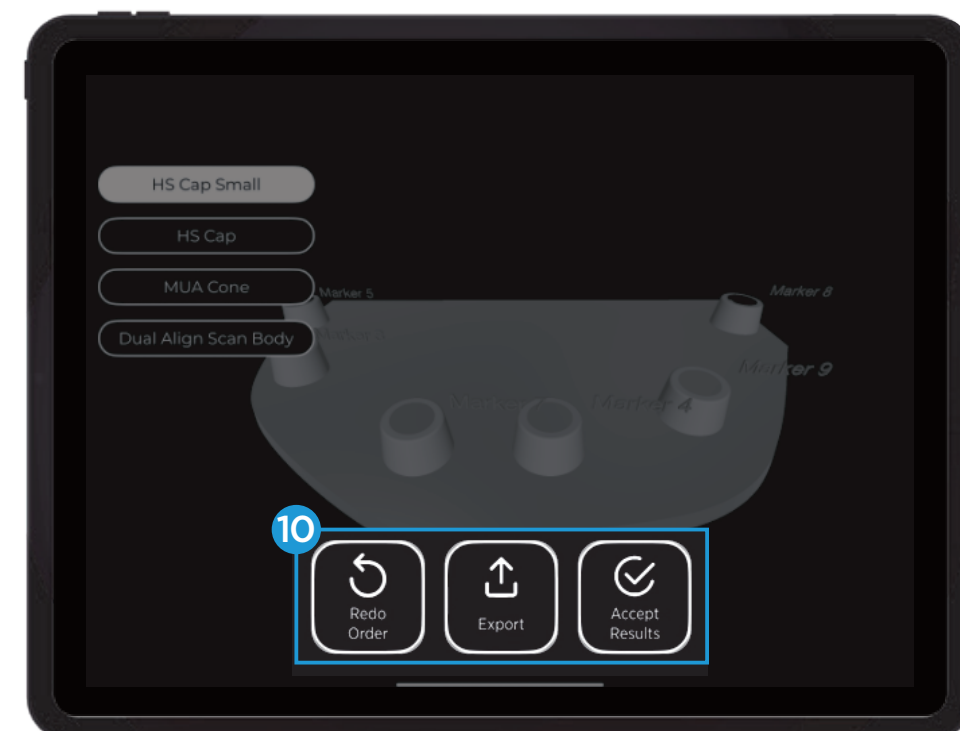
5. Workflow

- ⑨ Verify the export type for the generated MUA locations. Select the “Dual Align Scan Body” option if needed.

Export type: HS Cap Small is provided in the full kit.



- ⑩ To save and send the generated MUA locations as .stl file via email or AirDrop®, click “Export”. To save the case directly to TruSuite T-Marker™ application, click “Accept Results”.

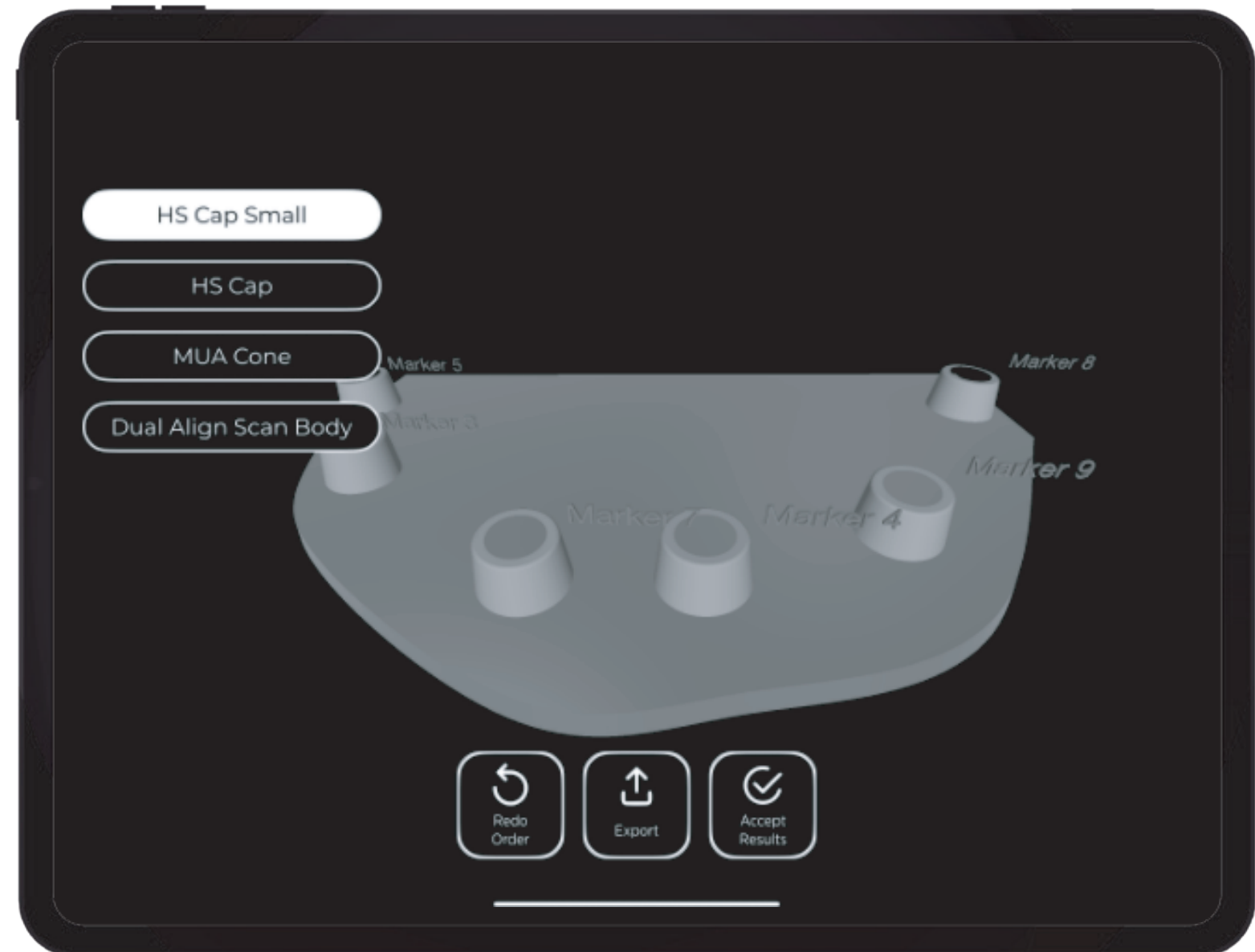


5. Workflow

Available Export Types:

- HS Cap Small
- HS Cap
- MUA Cone
- Dual Align Scan Body

More export types will be available soon.



6. Maintenance

Sterilization:

- T-Marker™ Kit is recommended to be used up to 50 times and provided non-sterile therefore must be sterilized prior to use.
- To correctly sterilize the products, use a steam sterilizer with a pre-vacuum process at 132°C (270°F) for 4 minutes, then wrap and dry 20 minutes with a validated cycle according to the standard ISO 17665.

Storage and Maintenance:

- To prevent contamination and preserve their integrity, store the instruments in a dry, dark place—such as a closed cabinet or drawer—after cleaning & sterilization.

Application Maintenance:

- Software Updates: Ensure the application is updated to the latest version before use. Check for updates regularly via App Store® or follow the update notification alerts on the software.





17666 Fitch, Irvine, CA 92614 USA

T. 714. 956. 1488

F. 714. 956. 1491

truabutment.com

info@truabutment.com

Copyright©TruAbutment Inc. All rights reserved