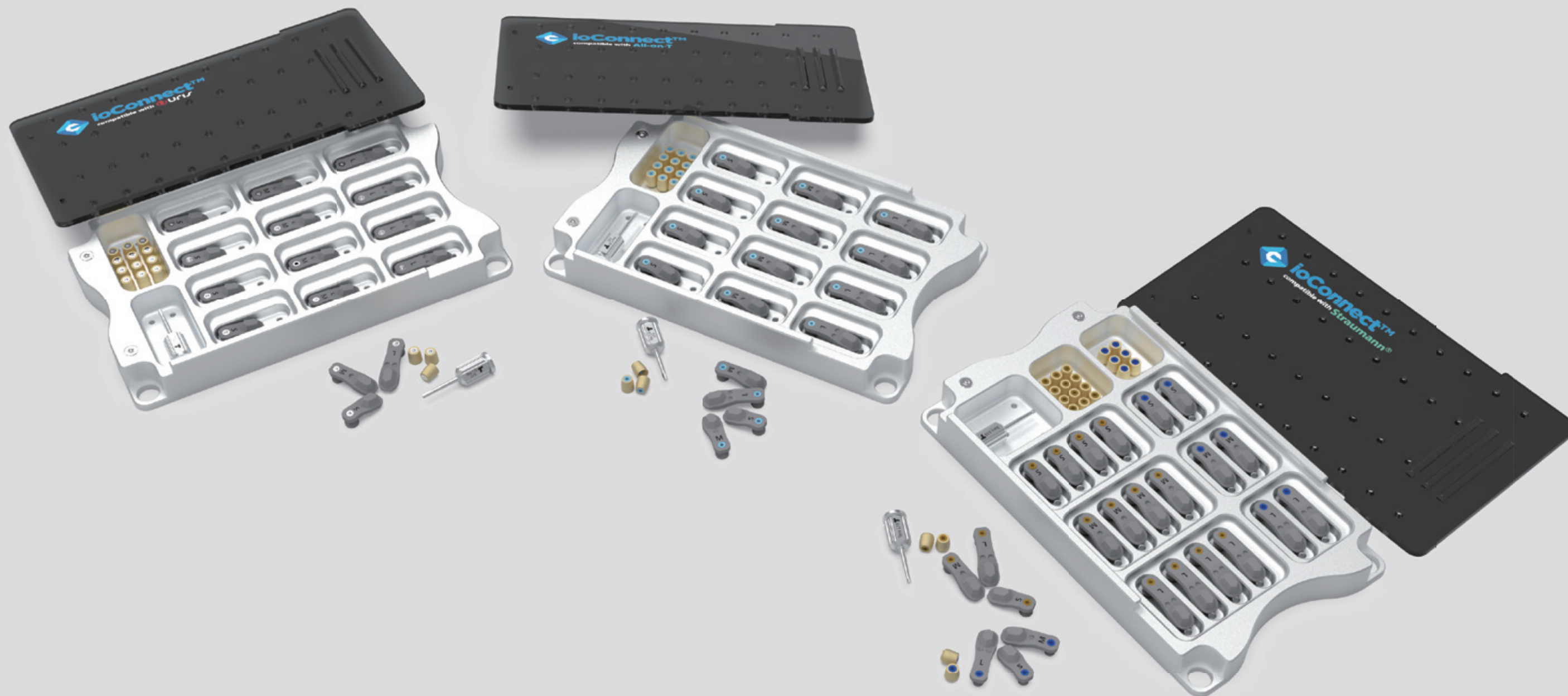


Effortless Multi-Unit Abutment Detection with Your IOS



ioConnect™ Manual

ioConnect™ Kit Manual



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1. Product Overview

ioConnect™ is a scan body system developed by TruAbutment for use in full-arch digital workflows.

It is compatible with most intraoral scanners and CAD software platforms, and does not require additional equipment beyond an intraoral scanner.

ioConnect™ reduces scanning time and helps minimize stitching errors during data acquisition by minimizing the scan area.

It is intended to provide clinicians and laboratories with a consistent, accurate and efficient method for capturing full-arch scan data in restorative procedures.



All-on-T

- Hex 1.25 Screw Driver
- HS Cap Small x 12
- ioConnect™ Scan Body Short (S) x 4
- ioConnect™ Scan Body Medium (M) x 4
- ioConnect™ Scan Body Long (L) x 4

Uris

- Hex 1.25 Screw Driver
- HS Cap Small x 12
- ioConnect™ Scan Body Short (S) x 4
- ioConnect™ Scan Body Medium (M) x 4
- ioConnect™ Scan Body Long (L) x 4

Straumann®

- Torx Screw Driver
- ST35 HS Cap Small x 6
- ST35 ioConnect™ Scan Body Short (S) x 2
- ST35 ioConnect™ Scan Body Medium (M) x 2
- ST35 ioConnect™ Scan Body Long (L) x 2
- ST46 HS Cap Small x 12
- ST46 ioConnect™ Scan Body Short (S) x 4
- ST46 ioConnect™ Scan Body Medium (M) x 4
- ST46 ioConnect™ Scan Body Long (L) x 4

1. Product Overview



Dentium

- Hex 1.25 Screw Driver
- HS Cap Small x 12
- ioConnect™ Scan Body Short (S) x 4
- ioConnect™ Scan Body Medium (M) x 4
- ioConnect™ Scan Body Long (L) x 4

Anthogyr

- Hex 1.2 Screw Driver
- AG40 HS Cap Small x 6
- AG40 ioConnect™ Scan Body Short (S) x 2
- AG40 ioConnect™ Scan Body Medium (M) x 2
- AG40 ioConnect™ Scan Body Long (L) x 2
- AG48 HS Cap Small x 12
- AG48 ioConnect™ Scan Body Short (S) x 4
- AG48 ioConnect™ Scan Body Medium (M) x 4
- AG48 ioConnect™ Scan Body Long (L) x 4

GlobalD

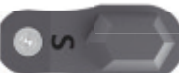
- Hex 1.2 Screw Driver
- GD43 HS Cap Small x 6
- GD43 ioConnect™ Scan Body Short (S) x 2
- GD43 ioConnect™ Scan Body Medium (M) x 2
- GD43 ioConnect™ Scan Body Long (L) x 2
- GD47 HS Cap Small x 12
- GD47 ioConnect™ Scan Body Short (S) x 4
- GD47 ioConnect™ Scan Body Medium (M) x 4
- GD47 ioConnect™ Scan Body Long (L) x 4

2. Components

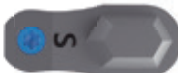
All-on-T

Type of Product		Item No.	Quantity	Image
ioConnect™ Kit All-on-T		IOK-AT	1	
All-On-T (M 1.4)	Hex 1.25 Screw Driver	TDH-H12515	1	
	HS Cap Small	HSS-AT	12	
	ioConnect™ Scanbody (S)	IO-ATS	4	
	ioConnect™ Scanbody (M)	IO-ATM	4	
	ioConnect™ Scanbody (L)	IO-ATL	4	



Type of Product		Item No.	Quantity	Image
ioConnect™ Kit URIS		IOK-UR	1	
URIS (M 1.6)	Hex 1.25 Screw Driver	TDH-H12515	1	
	HS Cap Small	HSS-UR	12	
	ioConnect™ Scanbody (S)	IO-URS	4	
	ioConnect™ Scanbody (M)	IO-URM	4	
	ioConnect™ Scanbody (L)	IO-URL	4	

Straumann®

Type of Product		Item No.	Quantity	Image
ioConnect™ Kit ST		IOK-ST	1	
ST35	Torx Screw Driver	TDH-TX15	1	
	HS Cap Small	HSS-ST35	6	
	ioConnect™ Scanbody (S)	IO-ST35S	2	
	ioConnect™ Scanbody (M)	IO-ST35M	2	
	ioConnect™ Scanbody (L)	IO-ST35L	2	
ST46	HS Cap Small	HSS-ST46	12	
	ioConnect™ Scanbody (S)	IO-ST46S	4	
	ioConnect™ Scanbody (M)	IO-ST46M	4	
	ioConnect™ Scanbody (L)	IO-ST46L	4	

2. Components

Dentium

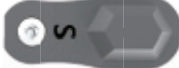
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ioConnect™ Kit DS		IOK-DS	1	
DS	Hex 1.25 Screw Driver	TDH-H12515	1	
	HS Cap Small	HSS-DS	12	
	ioConnect™ Scanbody (S)	IO-DSS	4	
	ioConnect™ Scanbody (M)	IO-DSM	4	
	ioConnect™ Scanbody (L)	IO-DSL	4	

Anthogyr

Type of Product		Item No.	Quantity	Image
ioConnect™ Kit AG		IOK-AG	1	
AG40	Hex 1.2 Screw Driver	TDH-H1215	1	
	HS Cap Small	HSS-AG40	6	
	ioConnect™ Scanbody (S)	IO-AG40S	2	
	ioConnect™ Scanbody (M)	IO-AG40M	2	
	ioConnect™ Scanbody (L)	IO-AG40L	2	
AG48	HS Cap Small	HSS-AG48	12	
	ioConnect™ Scanbody (S)	IO-AG48S	4	
	ioConnect™ Scanbody (M)	IO-AG48M	4	
	ioConnect™ Scanbody (L)	IO-AG48L	4	

2. Components

GlobalD

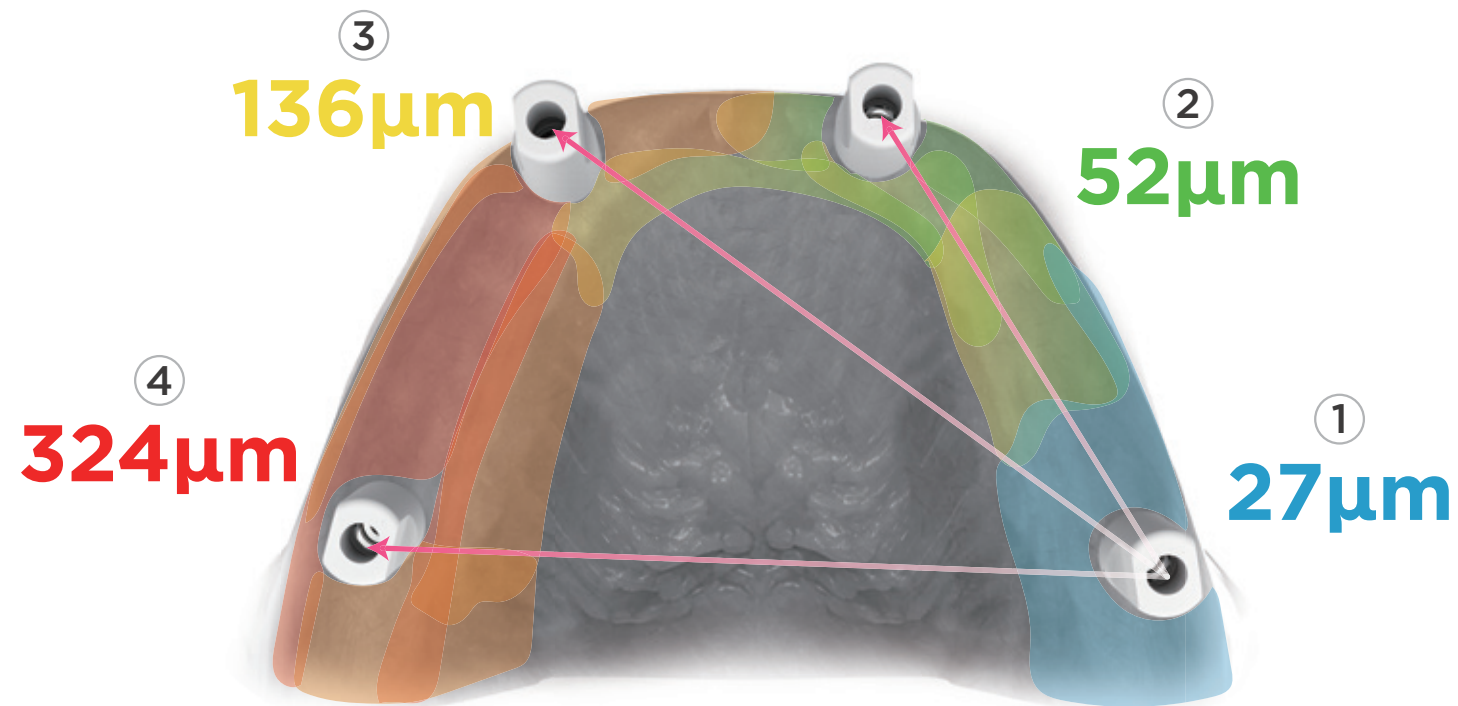
Type of Product		Item No.	Quantity	Image
ioConnect™ Kit GD		IOK-GD	1	
GD43	Hex 1.2 Screw Driver	TDH-H1215	1	
	HS Cap Small	HSS-GD43	6	
	ioConnect™ Scanbody (S)	IO-GD43S	2	
	ioConnect™ Scanbody (M)	IO-GD43M	2	
	ioConnect™ Scanbody (L)	IO-GD43L	2	
GD47	HS Cap Small	HSS-GD47	12	
	ioConnect™ Scanbody (S)	IO-GD47S	4	
	ioConnect™ Scanbody (M)	IO-GD47M	4	
	ioConnect™ Scanbody (L)	IO-GD47L	4	

3. Instruction

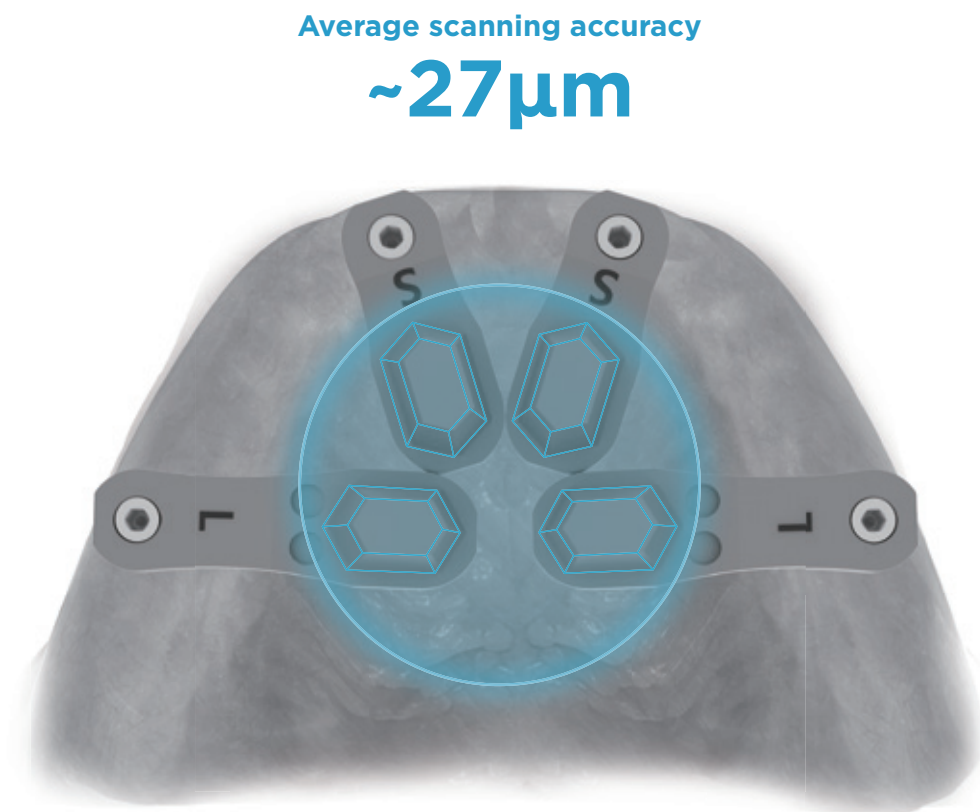
Proper placement of ioConnect™ scan bodies at the initial stage is crucial for maintaining accuracy throughout the entire process. When properly seated, the system provides a stable scan base with minimal positional deviation.

If the scan bodies are not fully seated and/or the positioning is not ideal with the intention of scanning less, the scan accuracy will be hindered.

The diagrams below are intended to illustrate the scanning discrepancies that happen between the common full mouth scanning all along the arch compared to the reduced scanning area using the ioConnect™ scan bodies.



• Multi-unit abutment scan



• ioConnect™ scan

3. Instruction



All-on-T
M 1.4



URIS
M 1.6

	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



MIS
MAKE IT SIMPLE



RITTER
IMPLANTS

3. Instruction

Proper technique begins with proper placement.

Each ioConnect™ scan body must be fully seated and securely fastened to the MUAs. This ensures the system captures reliable positional data—essential for full-arch accuracy.

For optimal performance, the hexagonal portions of the scan bodies should be positioned as close together as the arch allows—ideally facing the lingual side. There should be no physical contact or overlap between scan bodies, as even slight interference can compromise accuracy.

Below are examples of correct scan body positioning for All-on-4, 6, or 8 case :

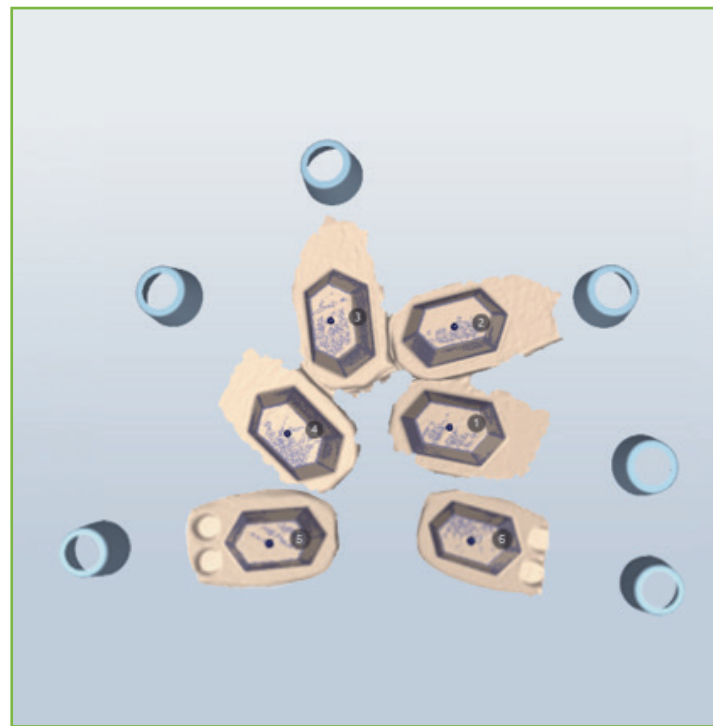
Do

•All-on-4



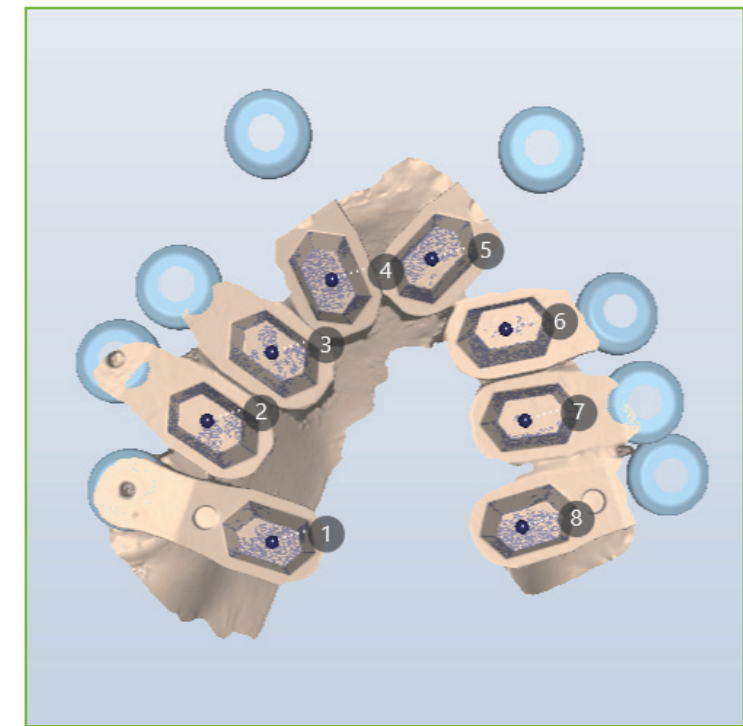
Placed Correctly

•All-on-6



Scanning only hexes

•All-on-8



Scan bodies are not overlapping or touching

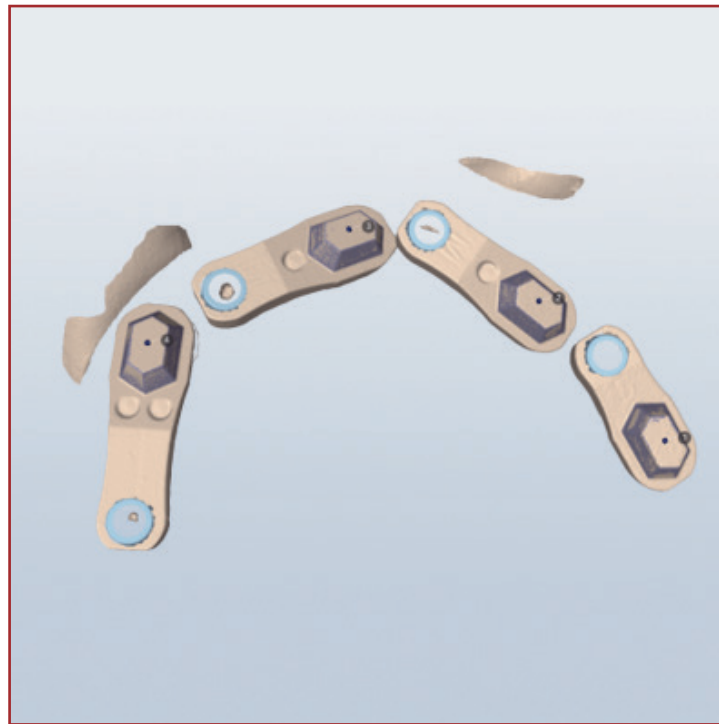
3. Instruction

If scan bodies are not fully seated/tightened properly, the scan data may carry positional inaccuracies that are difficult to detect until later in the process.

Avoid placing scan bodies too far apart from the lingual side, as this can increase scan time and elevate the risk of stitching errors. The scan bodies must never touch or overlap, as this can compromise accuracy. Below are examples of incorrect scan body positioning for All-on-4, 6, or 8 case :

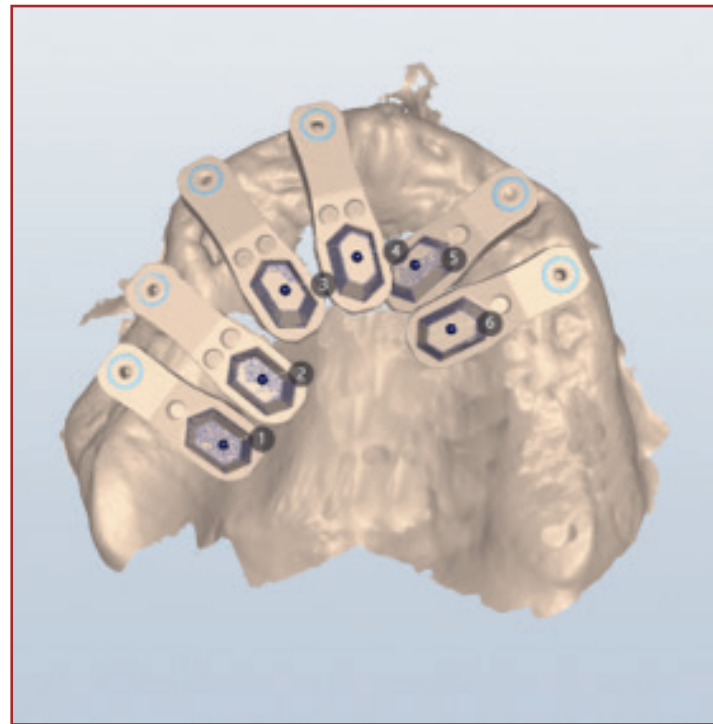
Avoid

• All-on-4



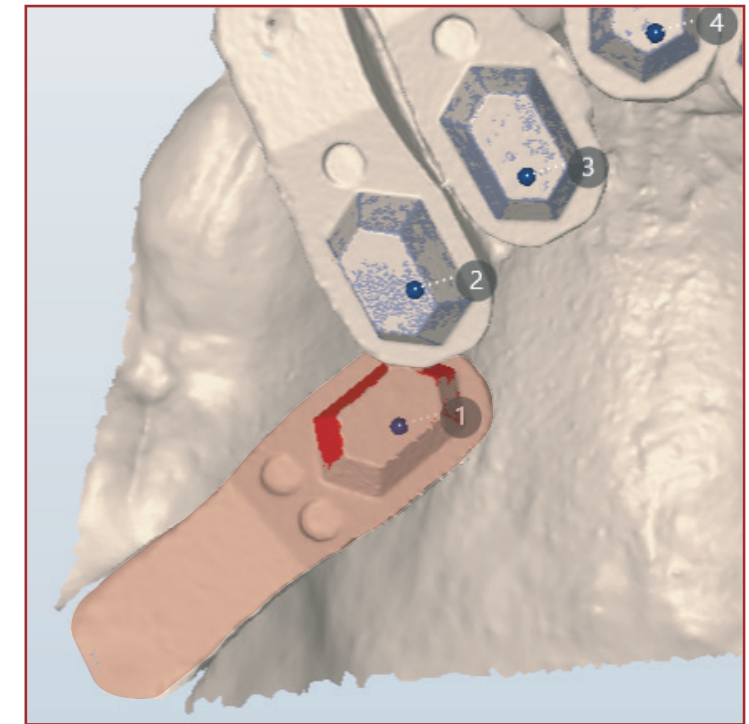
Misplaced

• All-on-6



Over scanning

• All-on-8

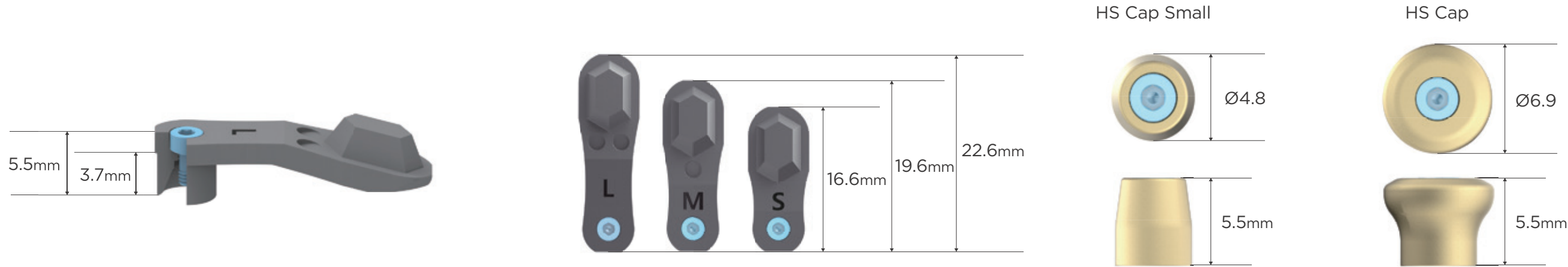


Overlapping

3. Instruction

ioConnect™ can be placed freely; however, it's important to position the scan bodies as closely clustered as possible to capture the maximum number of hexes within the scanner's initial field of view (FOV)

ioConnect™ Product Specs



Ideal Position for All-on-X Cases

•All-on-4



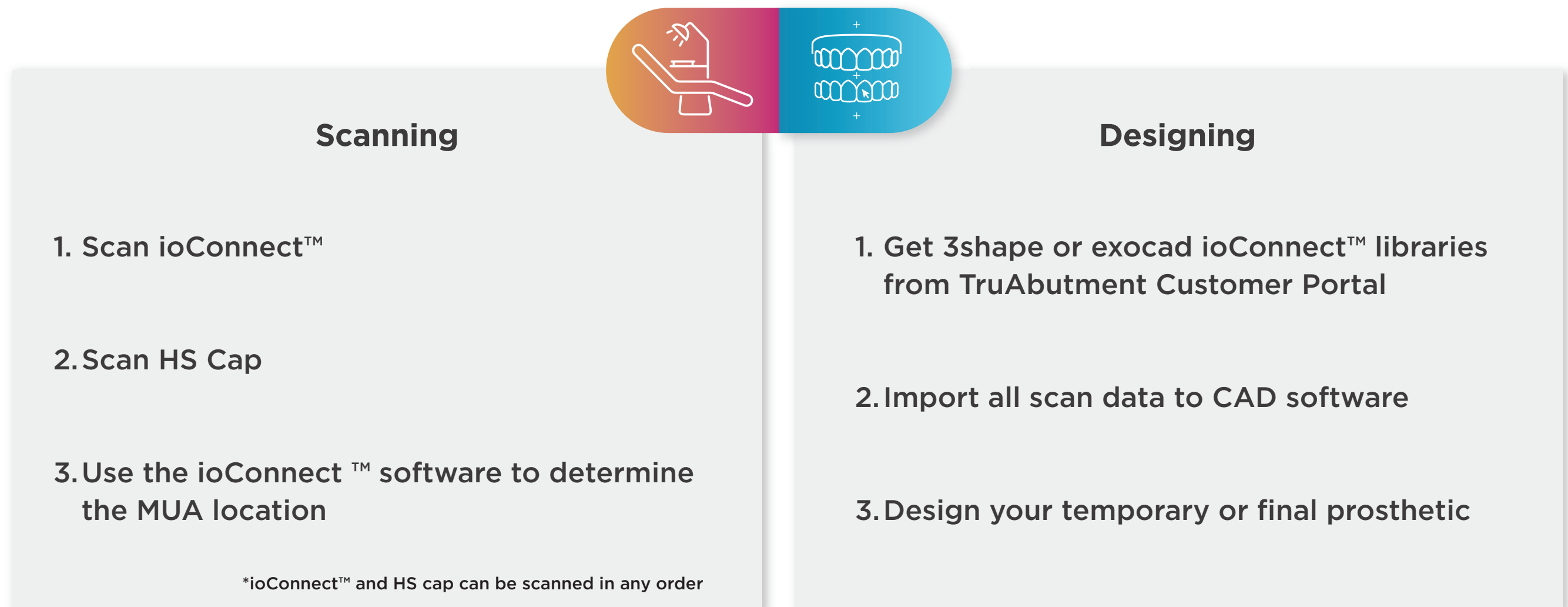
•All-on-6



•All-on-8



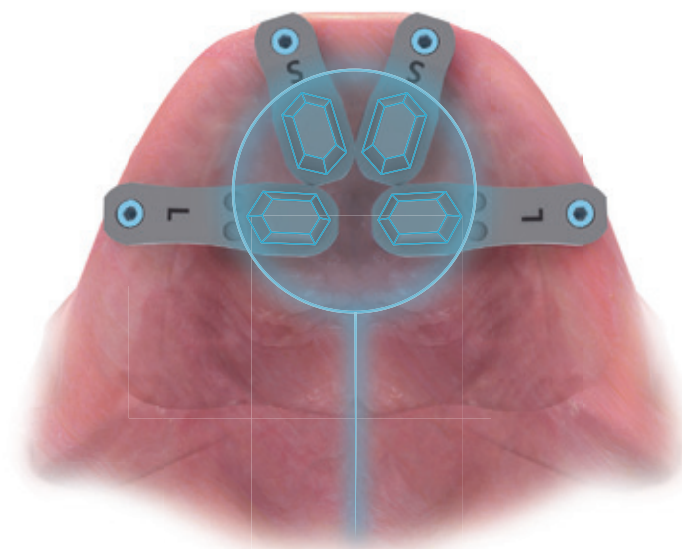
4. Workflow



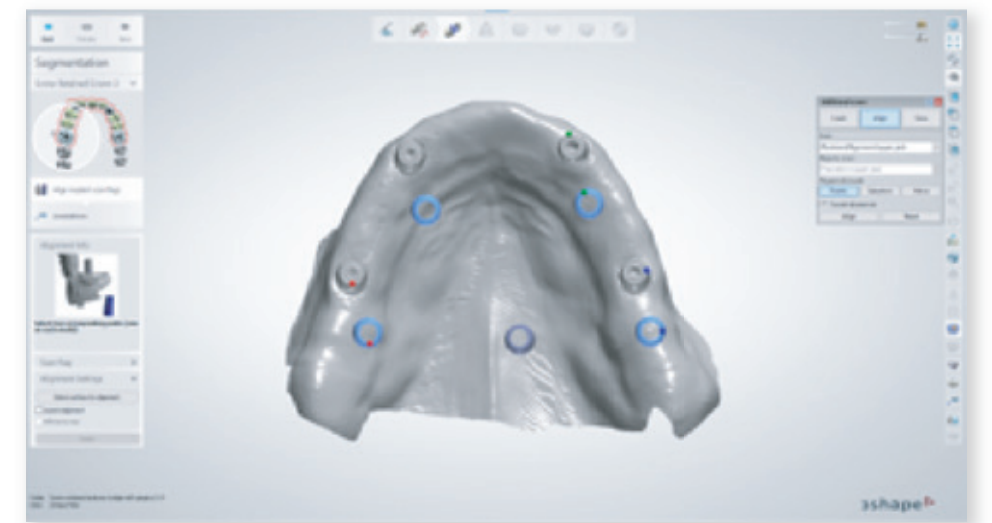
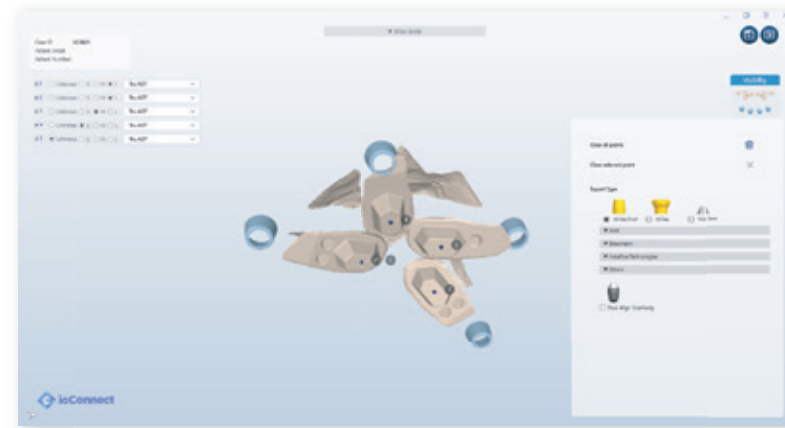
4. Workflow

Using ioConnect™ is a simple, three-step process designed to save time without compromising precision.

1. Start by scanning the hexagonal surface of the ioConnect™ scan bodies seated on the MUAs.
2. Finally, place the HS caps and take a second scan to record soft tissue.
3. Next, upload the scan to the ioConnect™ software, which automatically detects MUA locations.
4. With both datasets combined, you'll have everything needed to design a full-arch restoration.



TruScan Zone

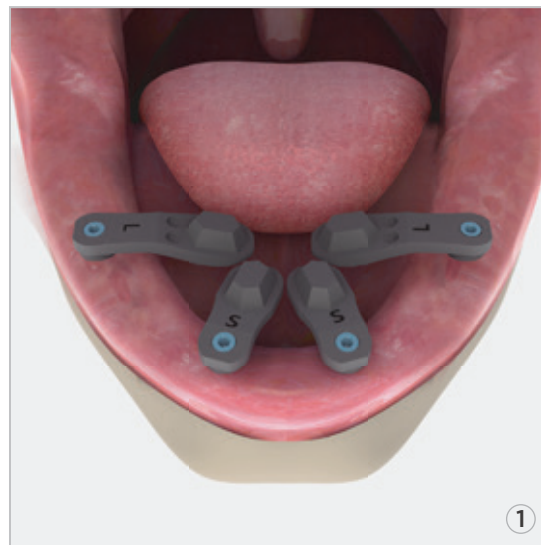


- Design the arch with ioConnect and HS cap scan file

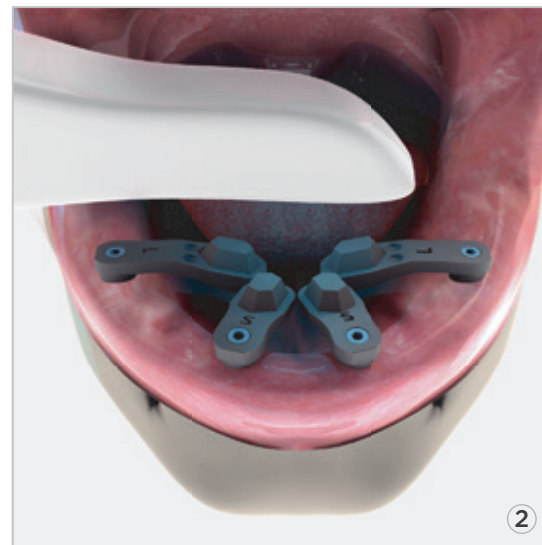
4. Workflow - Step 1 & 2

Step 1

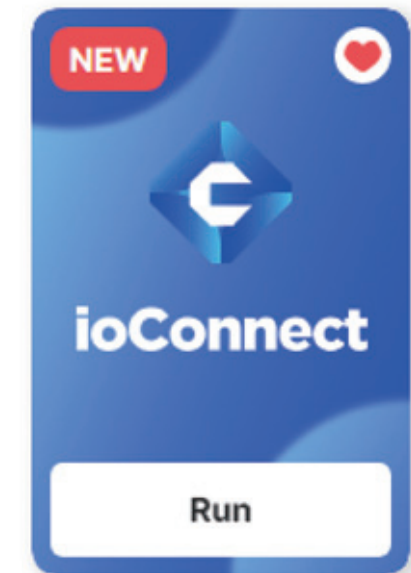
- Position ioConnect™ scan bodies



- Scan



- ioConnect™ .stl File

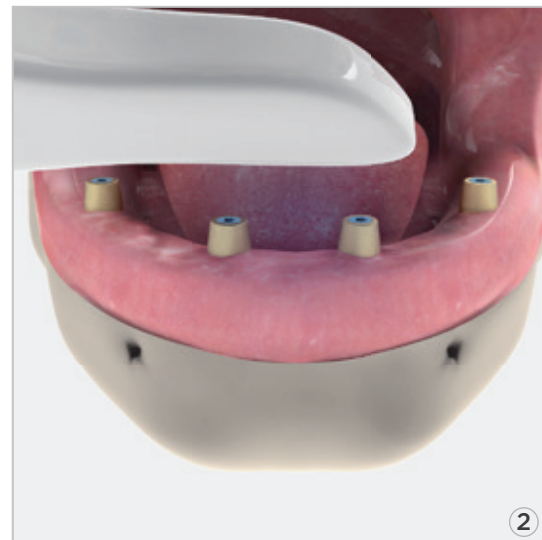


Step 2

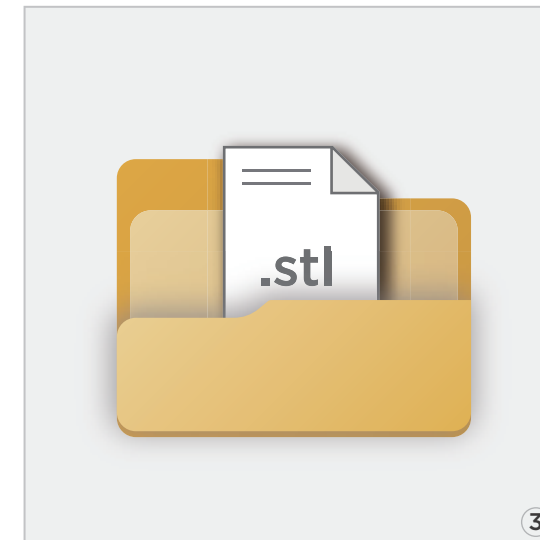
- Place HS Caps



- Scan

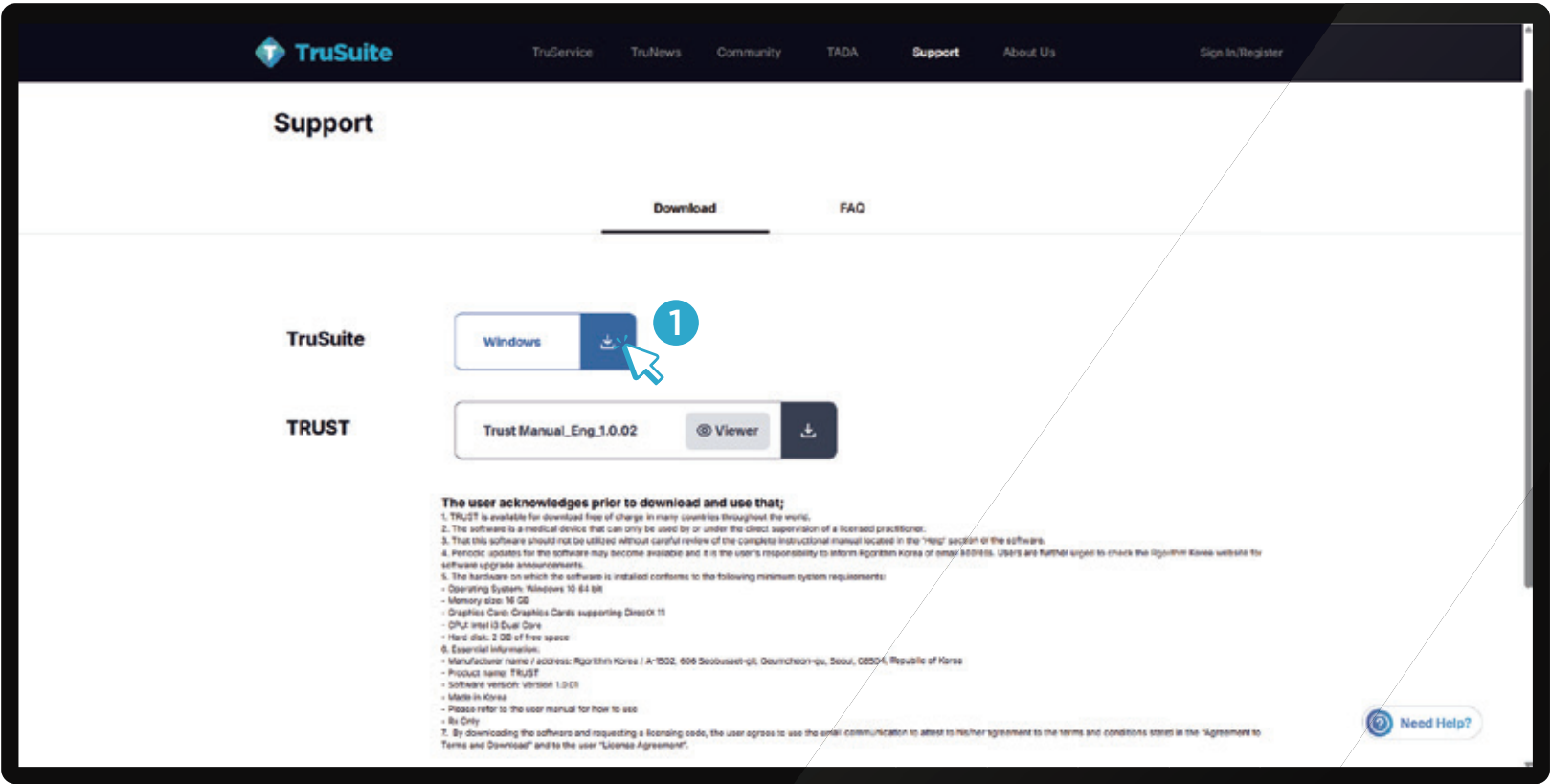


- Hs Caps .stl File

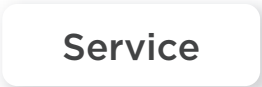


4. Workflow - Step 3

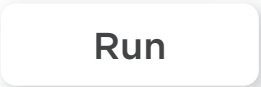
① Download TruSuite software-
TruSuite is only available for Windows



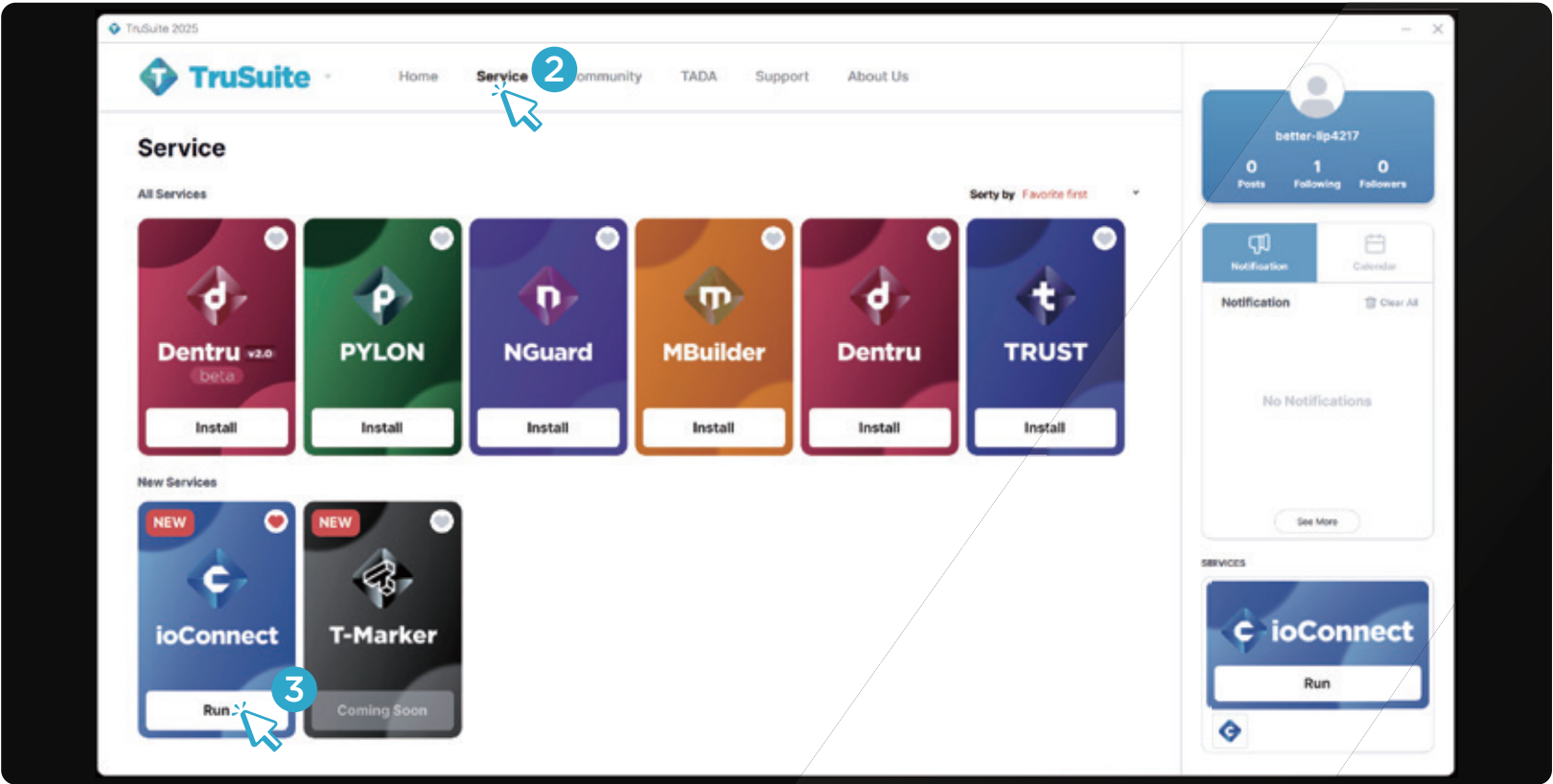
② After login, click



③ Click

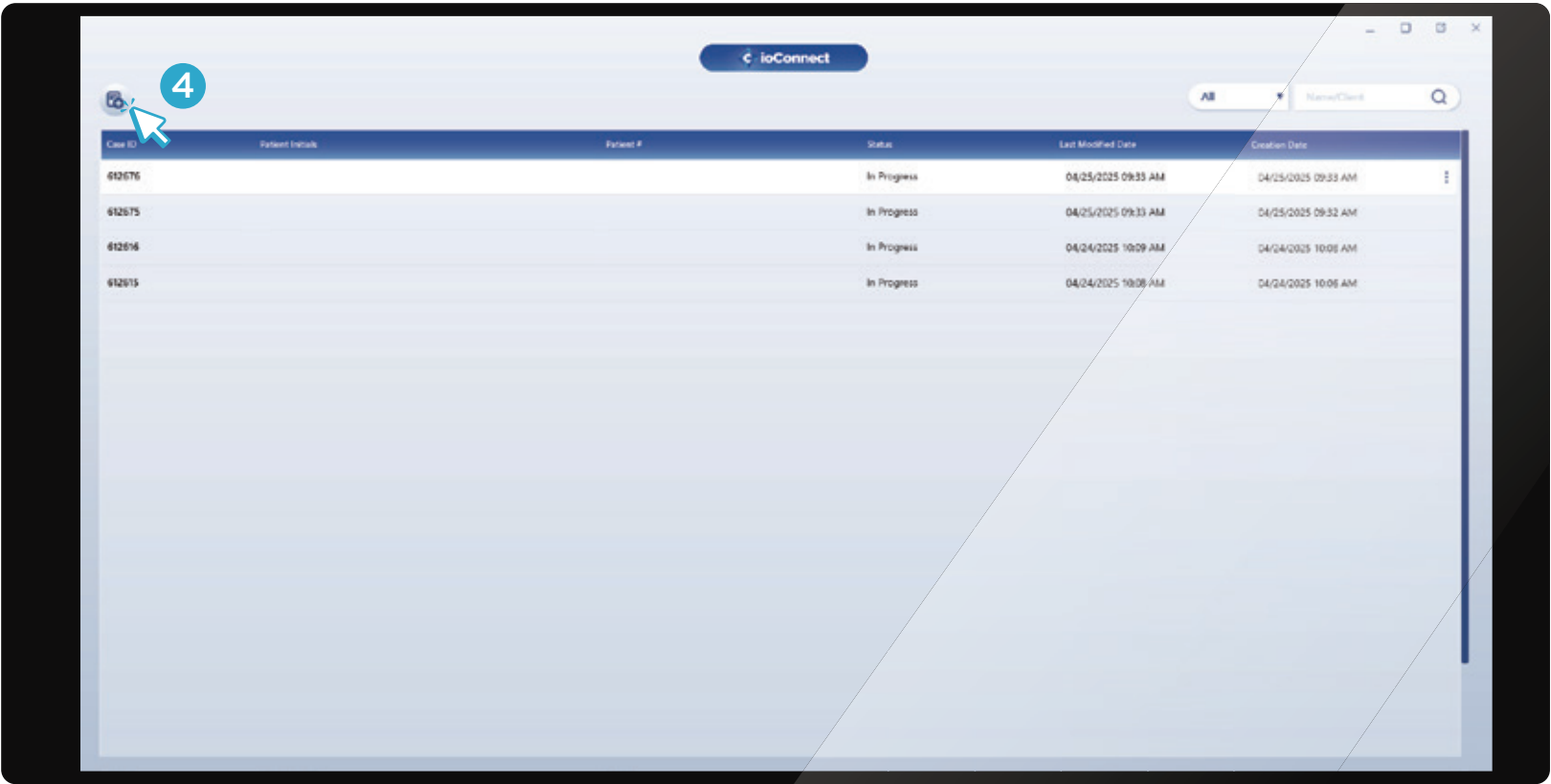


in ioConnect™ application



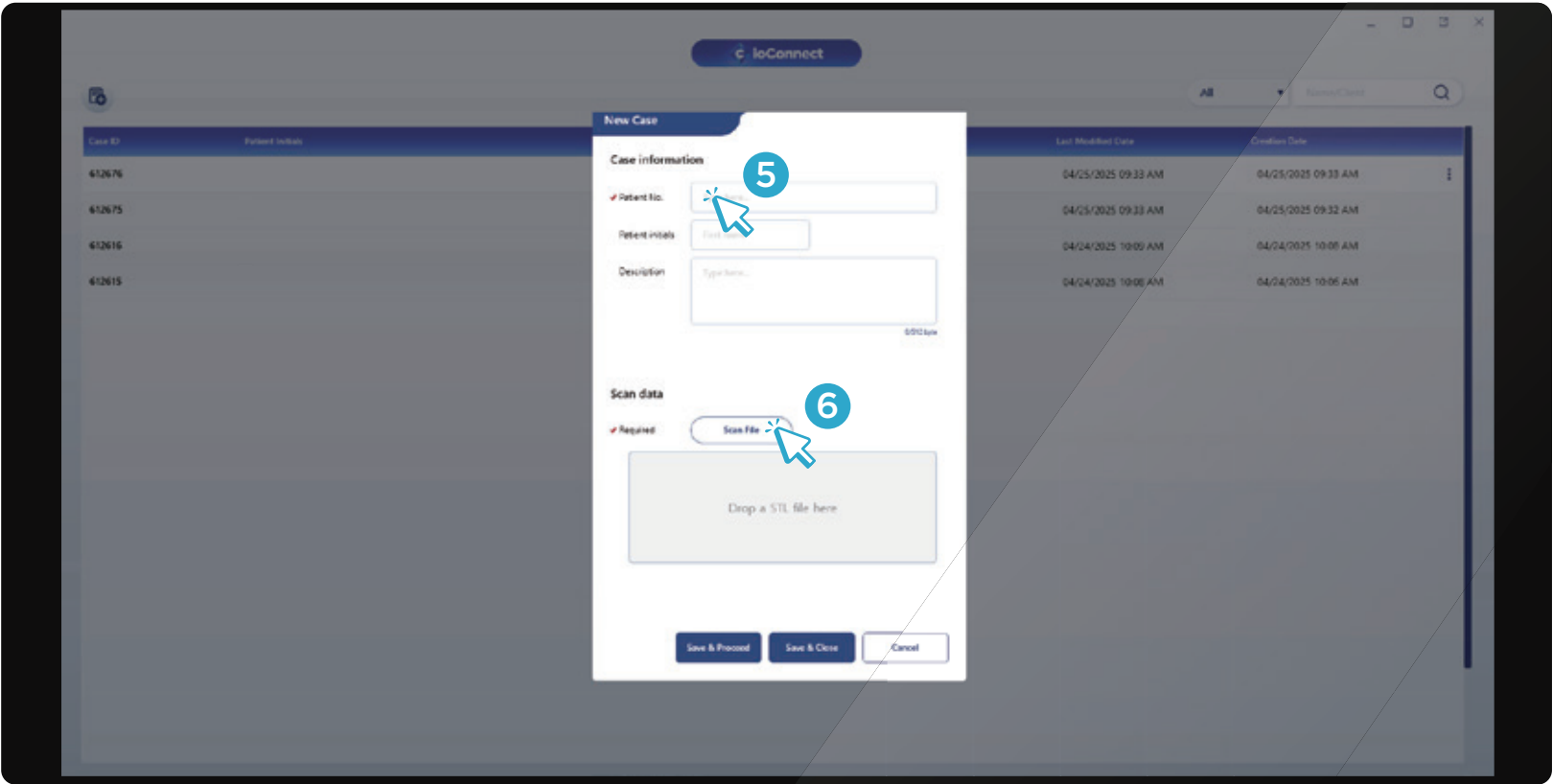
4. Workflow - Step 3

④ Create a new case 



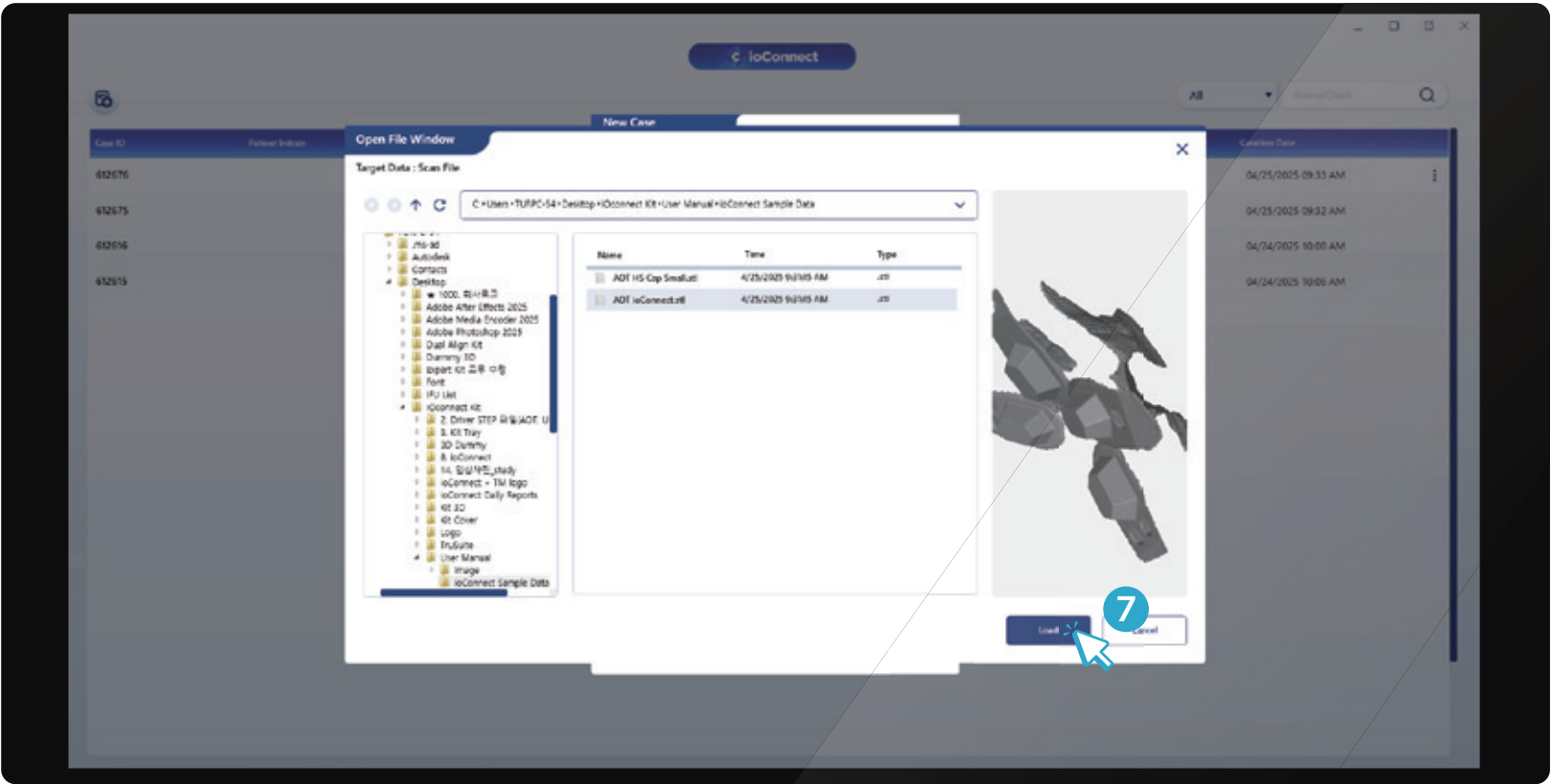
⑤ Type in patient or client information

⑥ Click  to upload ioConnect™ scanned data

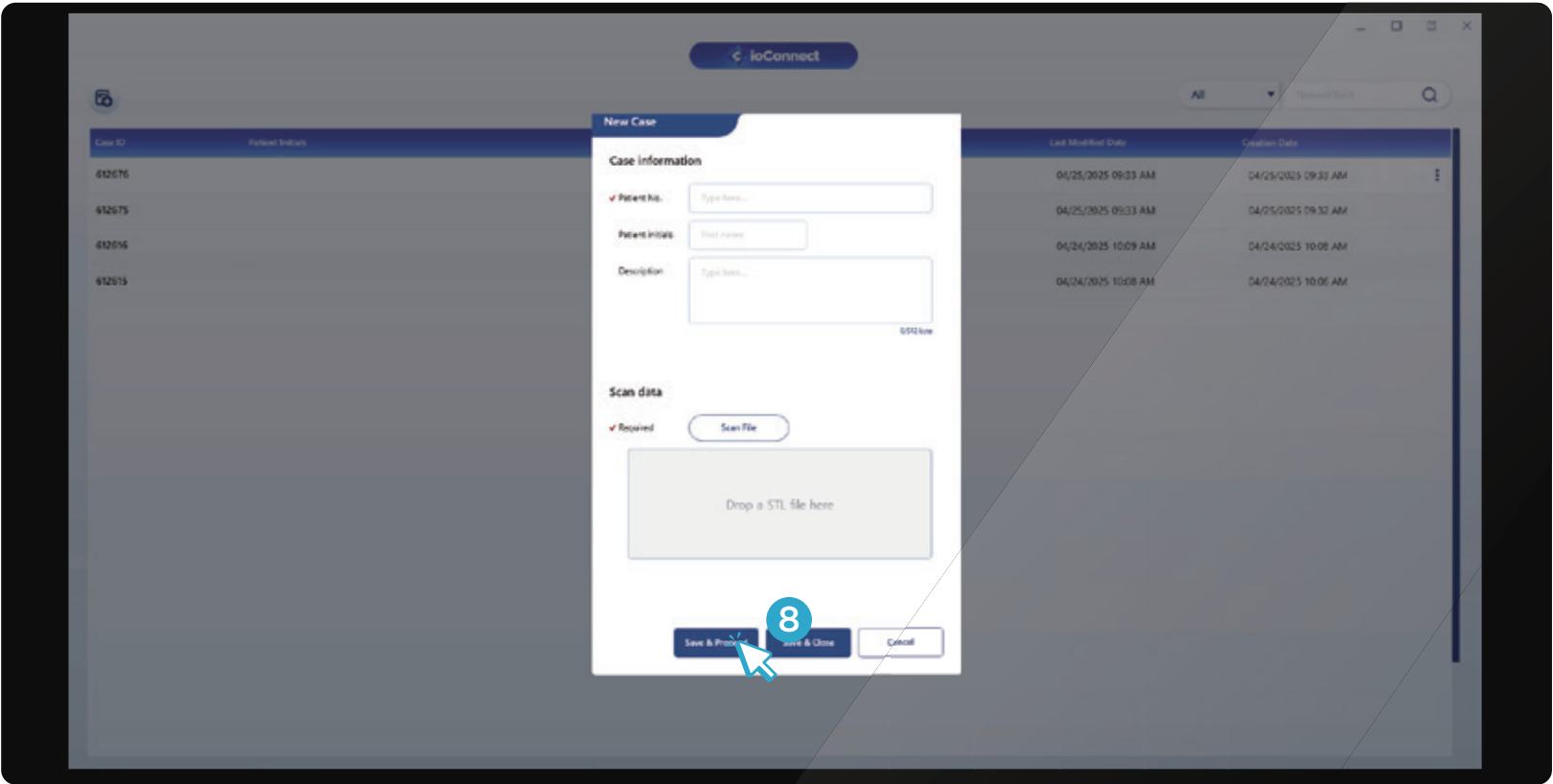


4. Workflow - Step 3

⑦ Select ioConnect™ scan file and **Load**



⑧ Click **Save & Proceed**



4. Workflow - Step 3

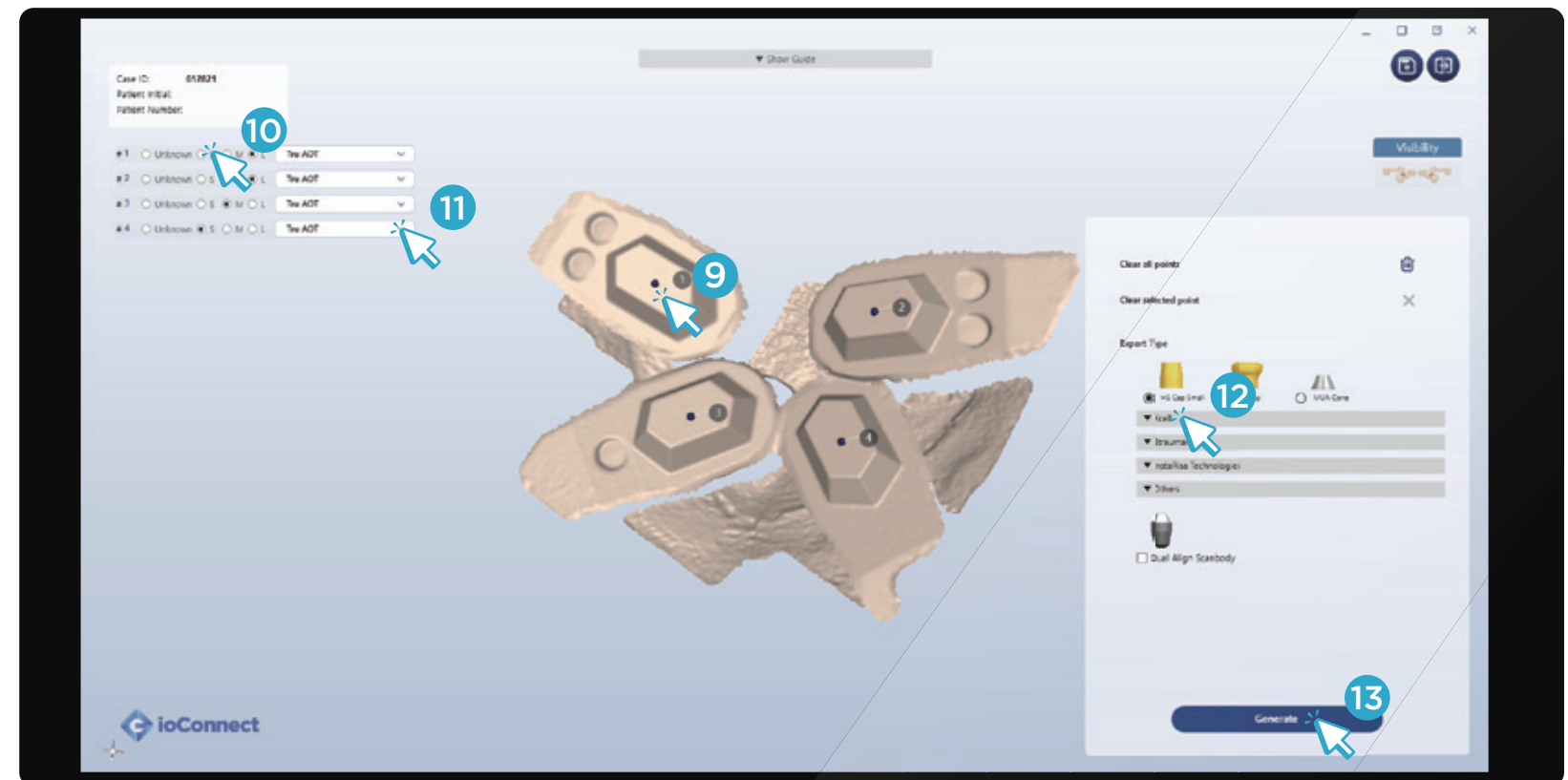
⑨ Click the center of the hexagons

⑩ Double check the sizes

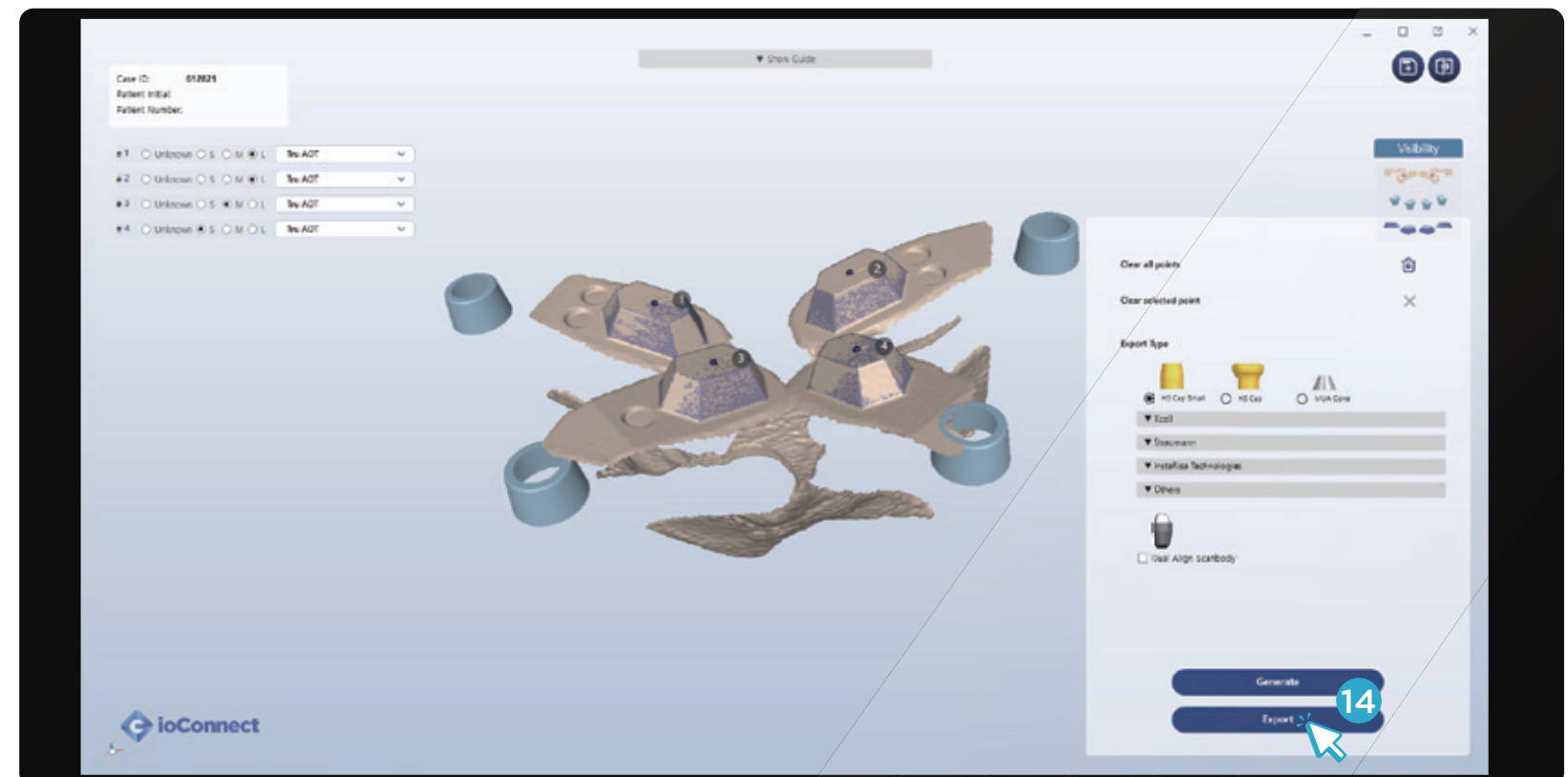
⑪ Select type of connection

⑫ Select export type

⑬ Click **Generate**



⑭ Click **Export** to save .stl file of MUA positions



4. Workflow - Export Type

Available Export types:

- HS Cap Small
- HS Cap
- MUA Cone
- Xcell
- Straumann
- InstaRisa
- Others (More export types coming soon)

Clear all points

Clear selected point

Export Type


☒ HS Cap Small


☐ HS Cap


☐ MUA Cone

▼ Xcell


☐ THS JA


☐ THS Org


☐ MU JA


☐ JA Scan body

▲ Straumann


☐ 025.0000(3.5) / 025.001(4.6)


☐ 025.0080(3.5) / 025.0081(4.6)

▲ InstaRisa Technologies


☐ InstaRisa-FP1


☐ InstaRisa-FP3


☐ InstaRisa-Short

▲ Others


☐ ICamRef MURP


☐ Nobel


☐ BioHorizons


☐ Blue Sky Bio


☐ ICamRef BH


☐ Dual Align Scanbody

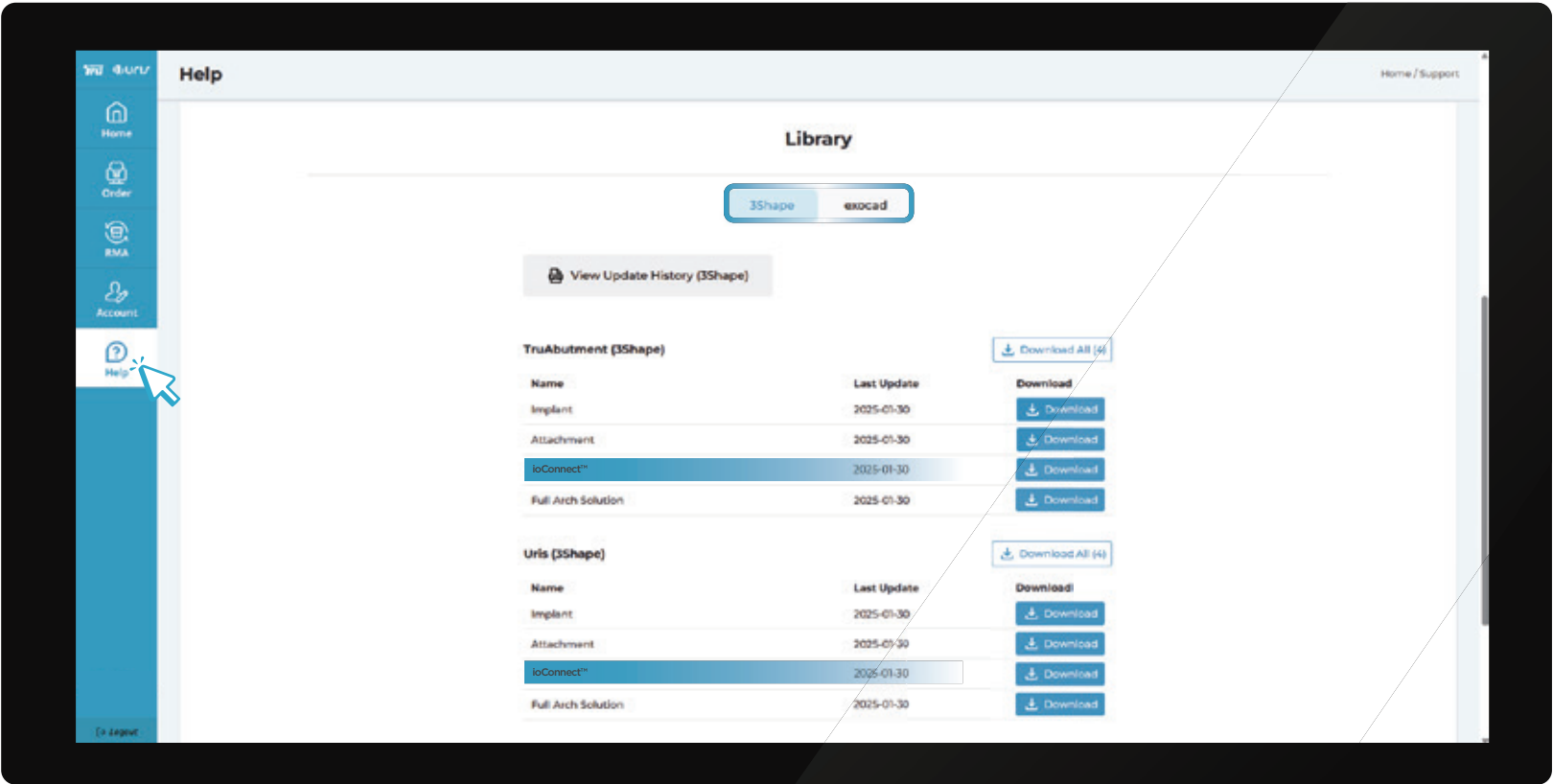
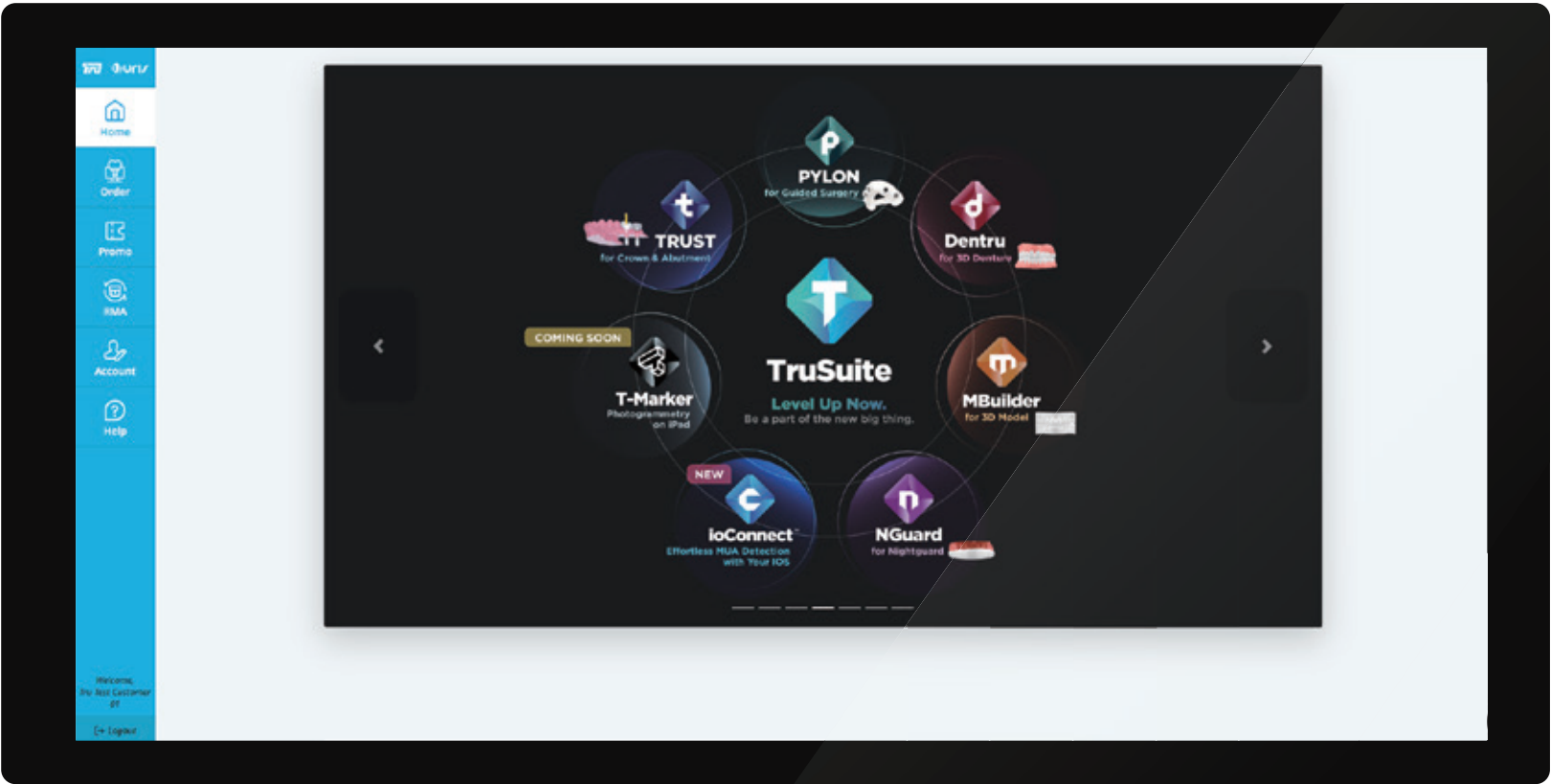
Generate

Export

4. Workflow - Resources

CAD software TruAbutment Libraries are available for download from TruAbutment Customer Portal :

- 1. Visit - Shop.truabutment.com
- 2. Click Help
- 3. Download Library of choice



Please contact the TruAbutment Customer Service team for further support (sales@truabutment.com)

5. Maintenance

ioConnect™ Kit is recommended to be used up to 50 times and provided non-sterile therefore must be sterilized prior to use.

Sterilization:

- To correctly sterilize the products, use a steam sterilizer with pre-vacuum process, at a temperature of steam sterilizer at 132°C (270°F) for 4 minutes, wrap and dry 20 minutes with a validated cycle according to the standard ISO 17665-1.

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.





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