Full arch workflow Using ioConnect™

Marketing rev 01

ioConnect™ Manual

Effortless MUA Detection with Your IOS

ioConnect™

GIVING YOU **MORE** BY DOING **LESS**

Product introduction

“ioConnect™” can define the accurate geometrical position of multi-unit abutments by using specially designed technology for effortless MUA detection.

Based on the limited image of the ioConnect™ head, the ioConnect™ software will extract the accurate geometrical position of MUAs as an STL file. You can bring this data into your design software for the design of the supra-structure.

Among existing solutions, ioConnect™ is the most cost-effective and simplest way to upgrade your existing IOS to achieve effortless MUA detection.

ioConnect™ Kit

All-on-T

ioConnect™ Kit
All-on-T (M1.4)

Key Features

Open System
Compatible with any dental CAD software for data importation and design.

Effortless MUA Detection
Empower your existing IOS (Intra-Oral Scanner) to achieve the same photogrammetry workflow.

Minimized Scanning Area
Focus on scanning just the blue area to reduce scanning error. Easy access and shorter scanning time.

All About Options
Multiple sizes (S, M, L) available for you to choose depending on the implant position and the anatomy of each patient.

ioConnect™ Scanning

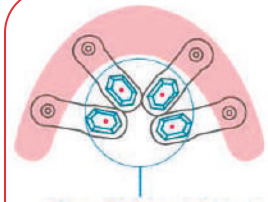
Step 1

Engage ioConnect™ onto the MUA abutments

Step 2

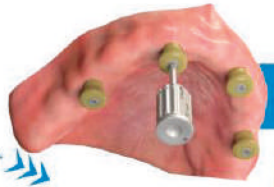
Scan focusing on the top hexagons

Scan Tip



TruScan Zone

Focusing specifically on the hexagonal portion and minimizing the scanning area will improve accuracy.



Step 3

Small cap is included in the full kit

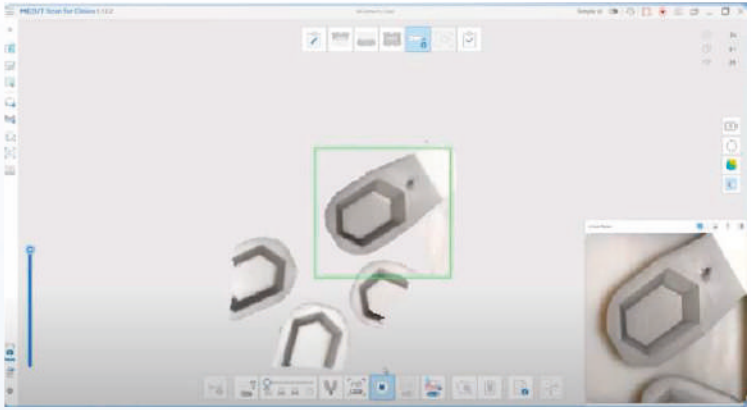
Sold seperately

Step 4

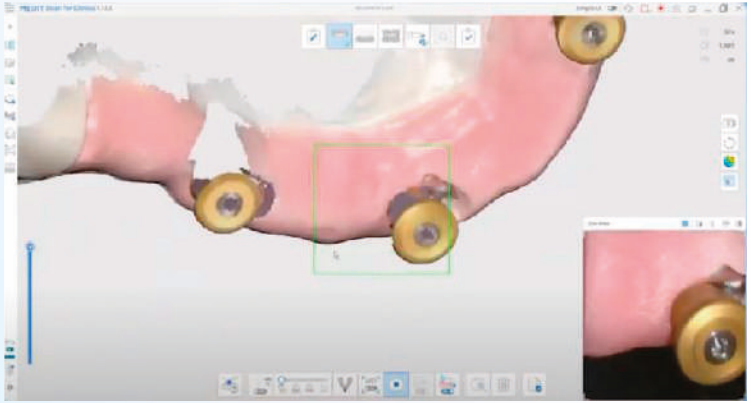
Scan HS Caps along with the soft tissue

ioConnect™ Full Arch Workflow

1. ioConnect™ Scanning



2. HS Cap Scanning



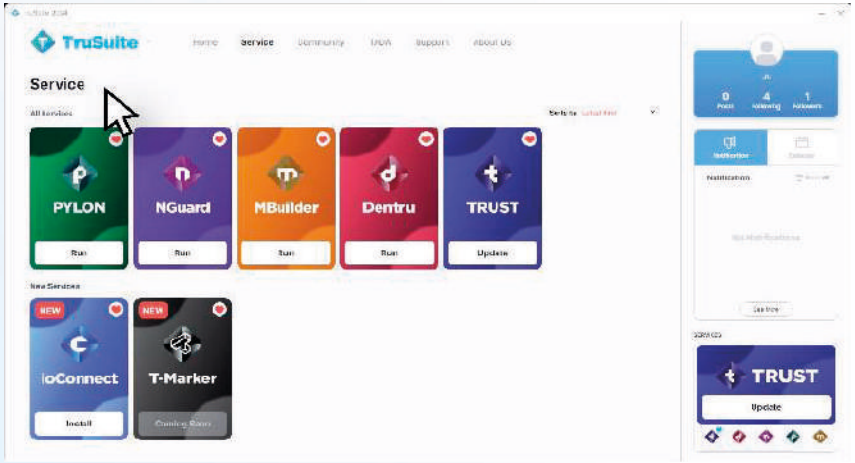
ioConnect™ Full Arch Workflow

3. TruSuite & ioConnect™

1. Create a TruSuite account & download

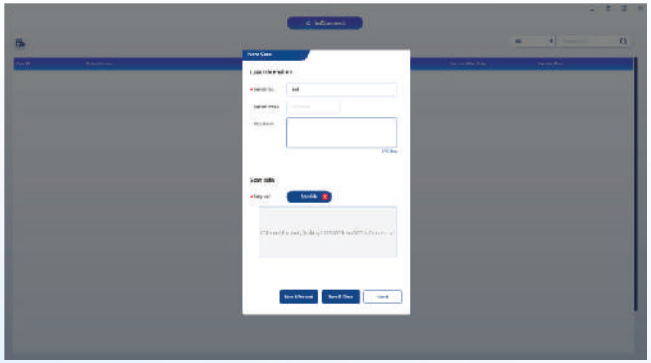
Download TruSulte

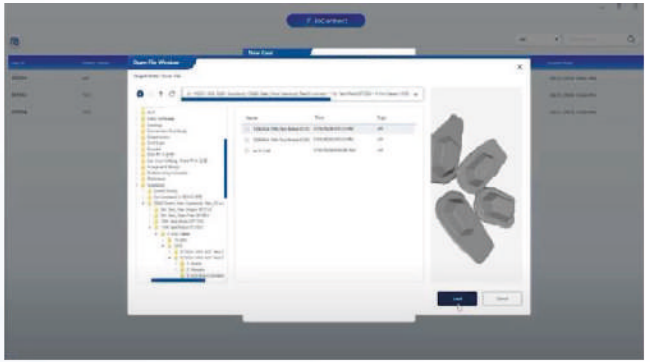
After scanning the ioConnect™ scan bodies, export it and import it to the **ioConnect™ app**. Then you can import the ioConnect™ scan and convert it to HS Caps for you to use on any dental CAD software to design your arch



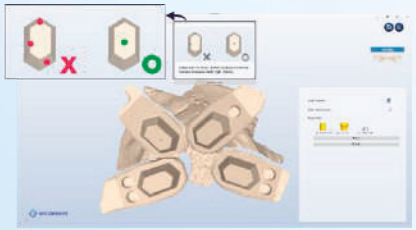
3. TruSuite & ioConnect™

2. Run ioConnect™ and create a new case



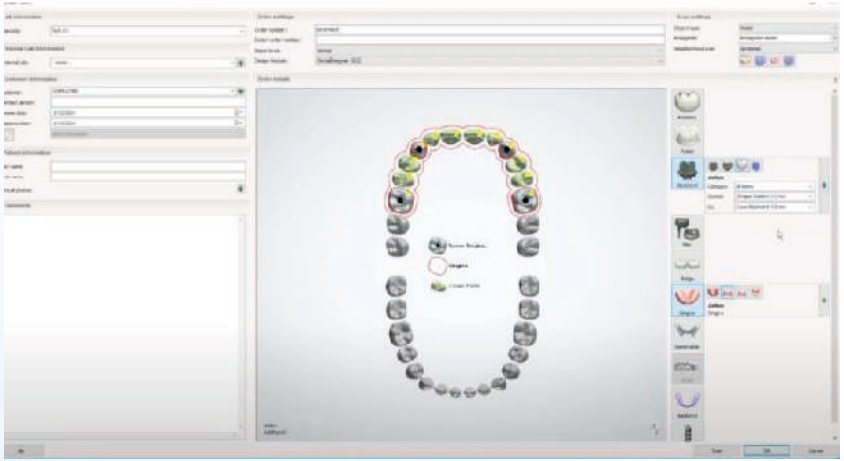


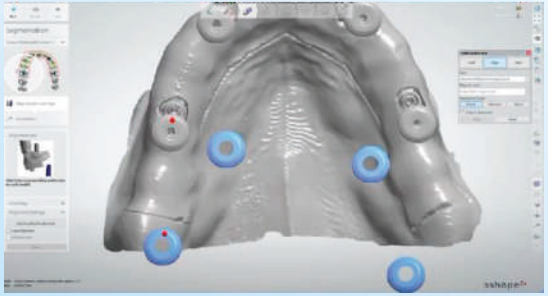
Click to mark the center of each ioConnect™ hexagon.



4. 3Shape Case Creation

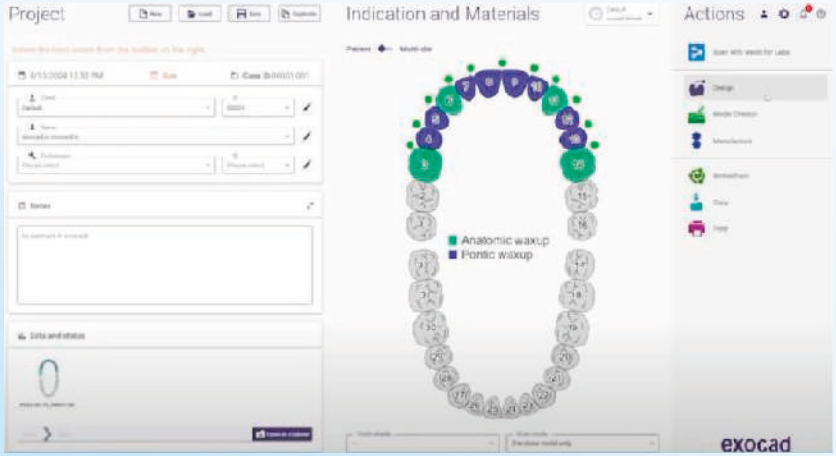
1. Select Tru_ioConnect™ then the proper HS cap library
2. 3Shape Design

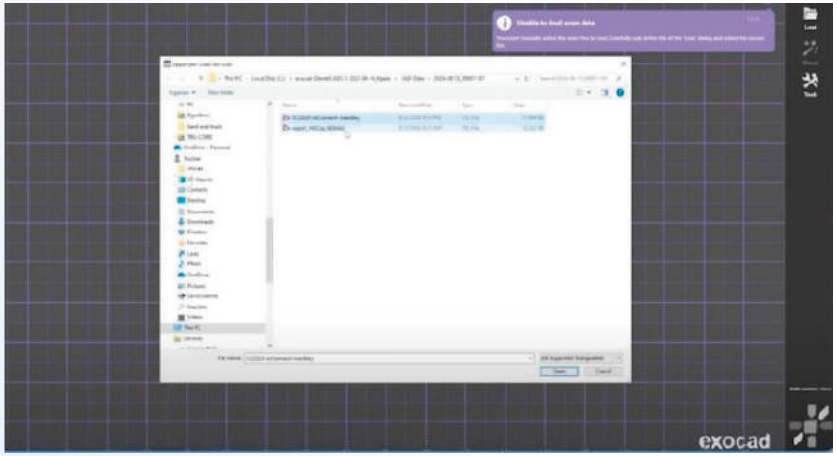




5. exocad Case Creation

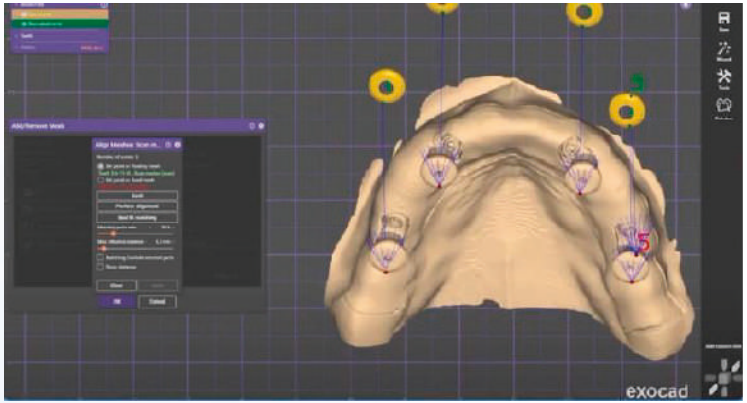
1. Import the ioConnect™ export as the “Scan marker scan”

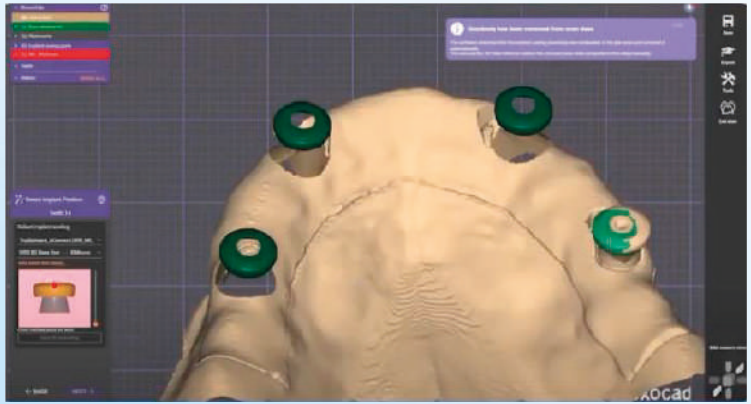




5. exocad Case Creation

2 exocad Design

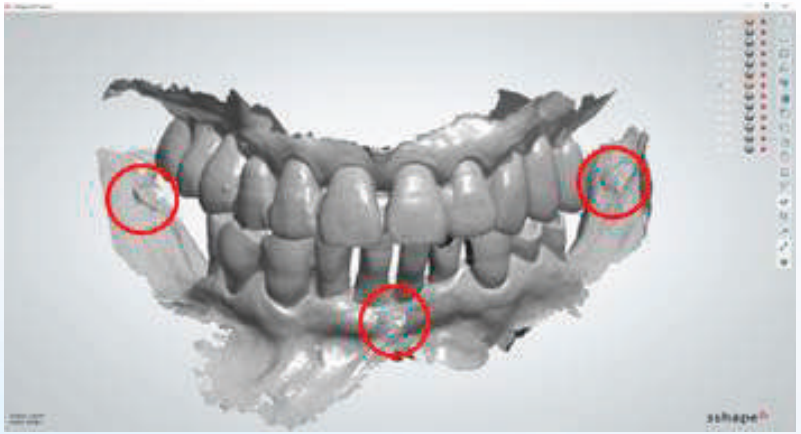




Doctor's Side

ioConnect™

Workflow with the TADs as Reference



1 Scan pre-op with the TADs

a. Place TADs osn the palate or posterior region (at least 2).

Attention These locations are chosen for TAD (Temporary Anchorage Device) stability. Using CBCT (Cone Beam CT) helps assess bone thickness and position before selecting the best sites.

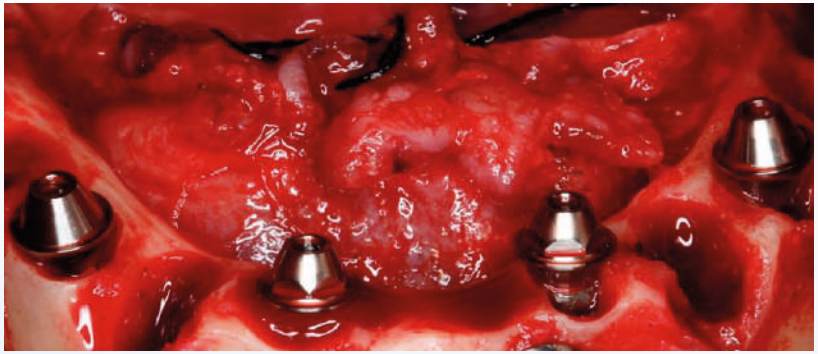
b. Scan (Opposing, prep with TADs, bite)

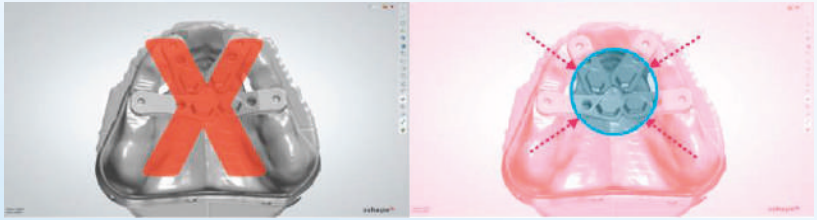
Attention All scans must be properly aligned, and the TADs should be clearly visible in the scans.

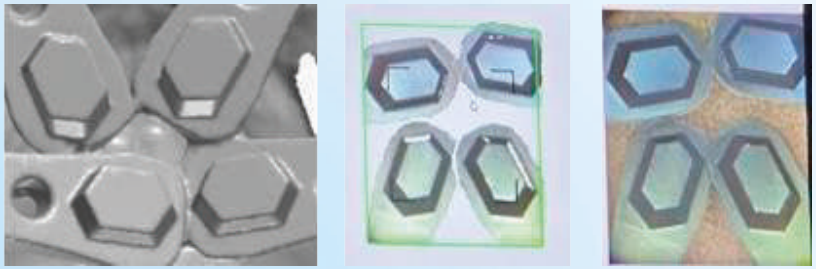
Doctor's Side

ioConnect™

Workflow with the TADs as Reference







2 Surgery

a. Extraction
b. Bone reduction if needed
c. Place implants and seat MUAs

3 ioConnect™ Scan

a. Seat ioConnect™ Scanbody and Scan

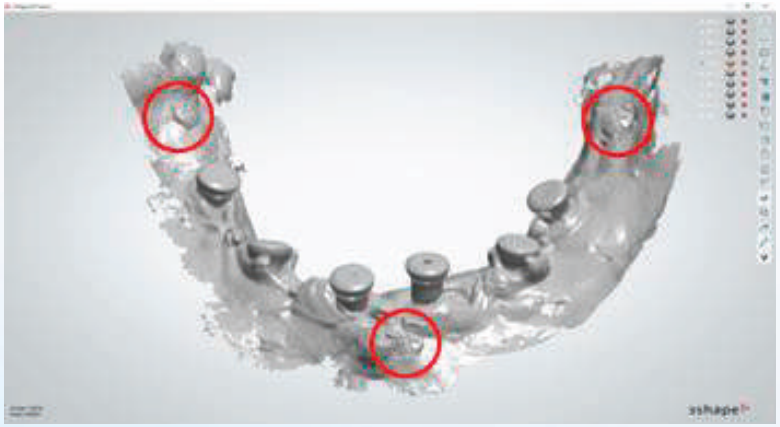
Attention When scanning with ioConnect™, ensure that the scan bodies do not touch or press against each other, while positioning them as close to the center as possible.

Attention Scan only the hex portion of the ioConnect™s. Scanning beyond this can negatively affect accuracy.

Doctor's Side

ioConnect™

Workflow with the TADs as Reference



4 HS Cap Scan

a. Seat the HS Caps, suture and scan

Attention the TADs should be clearly visible in the scans

Send all scan files to the lab

Doctor's Side

ioConnect™

Workflow with Teeth as Reference

1 Scan pre-op with tooth as reference

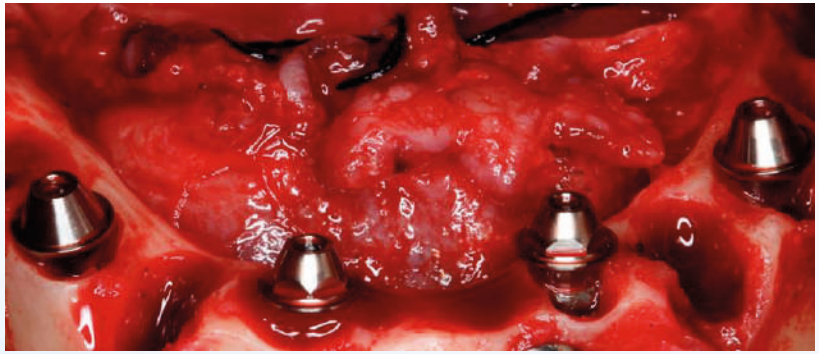
a. Scan (Opposing, prep with tooth, bite)

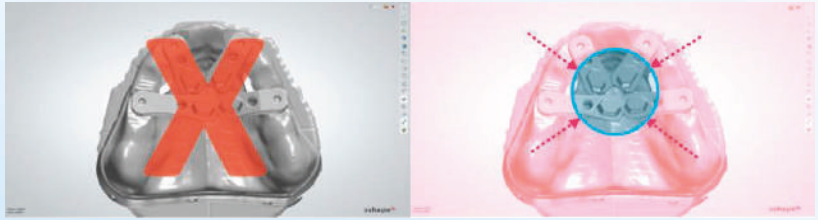
Attention All scans must be properly aligned.

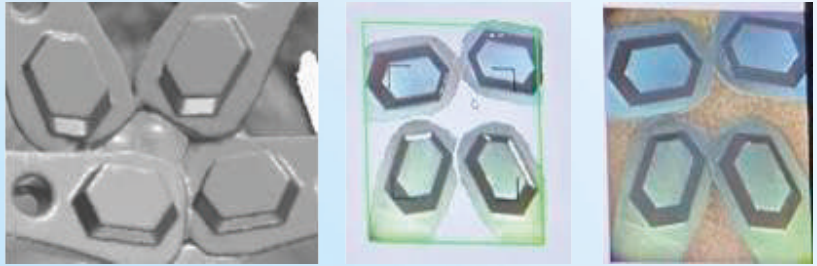
Doctor's Side

ioConnect™

Workflow with Teeth as Reference







2 Surgery

a. During the extraction process leave some teeth behind to use as reference points
b. Bone reduction if needed
c. Place implants and seat MUAs

3 ioConnect™ Scan

a. Seat ioConnect™ Scanbody and Scan

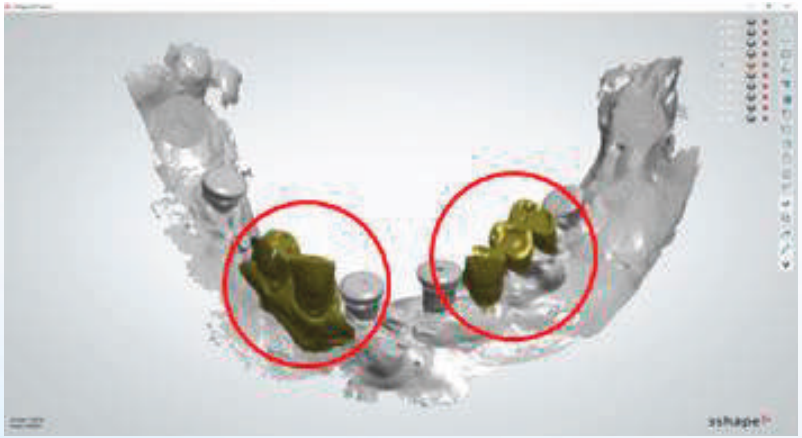
Attention When scanning with ioConnect™, ensure that the scan bodies do not touch or press against each other, while positioning them as close to the center as possible.

Attention Scan only the hex portion of the ioConnect™s. Scanning beyond this can negatively affect accuracy.

Doctor's Side

ioConnect™

Workflow with Teeth as Reference



4 HS Cap Scan

a. Seat the HS Cap, Suture and Scan

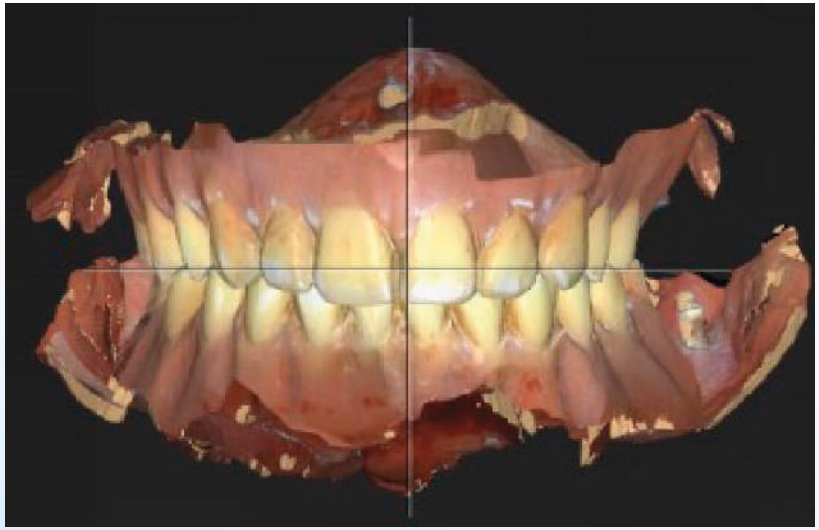
Attention MUST scan before extraction of remaining teeth. The teeth will be used as a reference point for the designer.

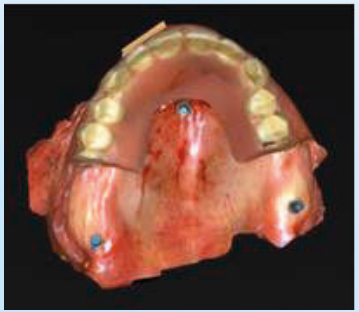
Send all scan files to the lab

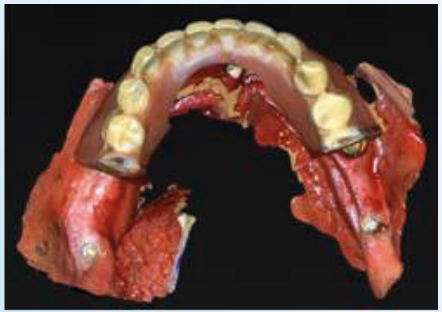
ioConnect™

Doctor's Side

TAD's as Reference with Denture







1 Scan pre-op with the Denture

a. Scan: Opposing, prep with denture, bite (before any adjustments)
→ Need to scan the gingiva fully and the reference points(the scan must TAD)

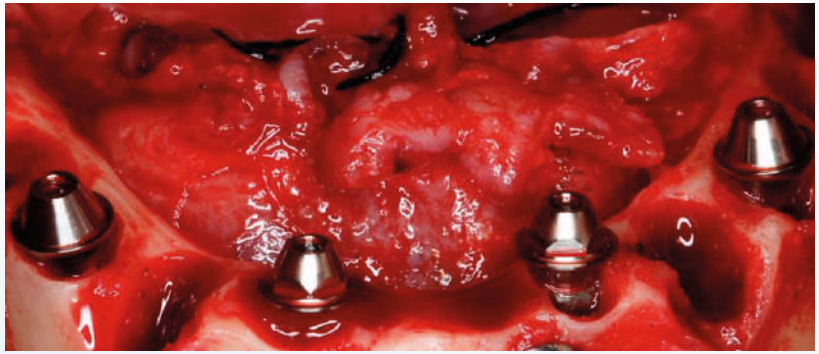
Attention All scans must be properly aligned, and reference points should be clearly visible in the scans

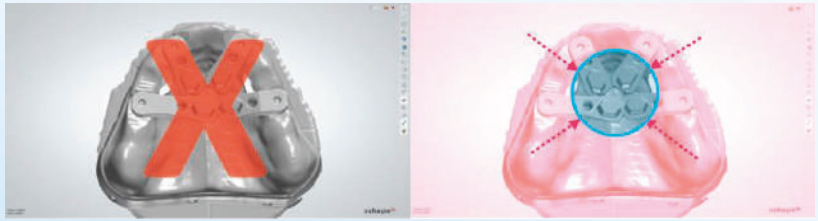
1. Adjust part of the denture so the TAD is clearly visible with the denture on

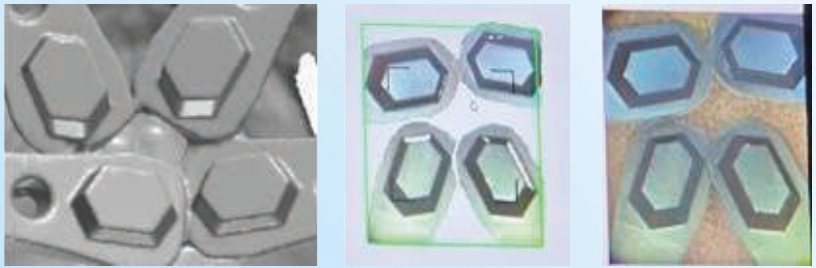
Doctor's Side

ioConnect™

TAD's as Reference with Denture







2 Surgery

a. Place implants and seat MUAs

3 ioConnect™ Scan

a. Seat ioConnect™ Scanbody and Scan

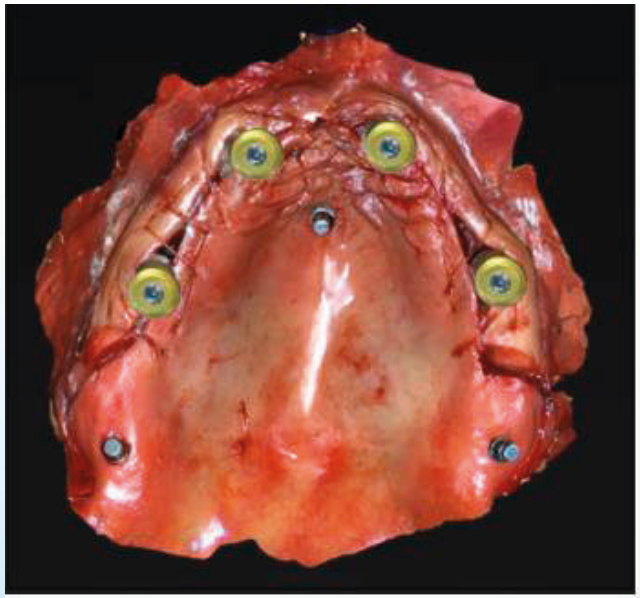
Attention When scanning with ioConnect™, ensure that the scan bodies do not touch or press against each other, while positioning them as close to the center as possible.

Attention Scan only the hex portion of the ioConnect™ s. Scanning beyond this can negatively affect accuracy.

Doctor's Side

ioConnect™

TAD's as Reference with Denture



4 HS Cap Scan

a. Seat the HS Cap, Suture and Scan

Attention TADs should be clearly visible in the scans

Send all scan files to the lab

Doctor's Side

ioConnect™

Gingiva as Reference with Temporary Arch

1 Scan pre-op with the Temporary Arch

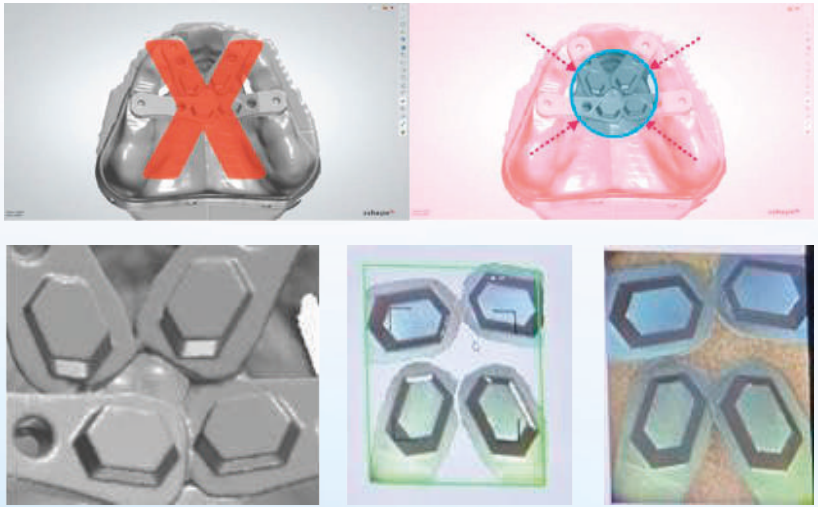
a. Scan: Opposing, prep with the temporary arch, bite

→ Need to scan with as much gingiva visibility as possible for reference (At least, the scan must include the retromolar pad or palate)

Attention All scans must be properly aligned, and Retromolar pads and palate area should be clearly visible in the scans

Doctor's Side

Gingiva as Reference with Temporary Arch



2 ioConnect™ Scan

a. Seat ioConnect™ Scanbody and Scan

Attention When scanning with ioConnect™, ensure that the scan bodies do not touch or press against each other, while positioning them as close to the center as possible.

Attention Scan only the hex portion of the ioConnect™s. Scanning beyond this can negatively affect accuracy.

Doctor's Side

ioConnect™

Gingiva as Reference with Temporary Arch

3 HS Cap Scan

a. Seat the HS Cap

Attention The retromolar pads and palate area must be clear on the scans. These points will be used as reference points

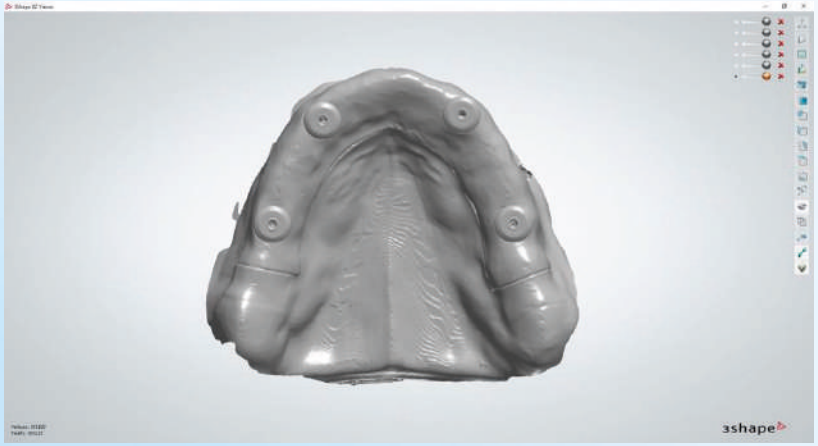
Send all scan files to the lab

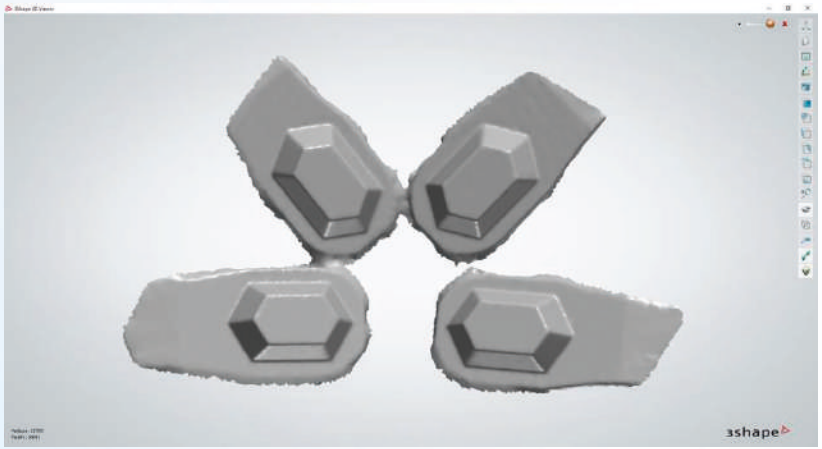
Lab Side

ioConnect™

AOT Position Data Export

Lab Receives Files



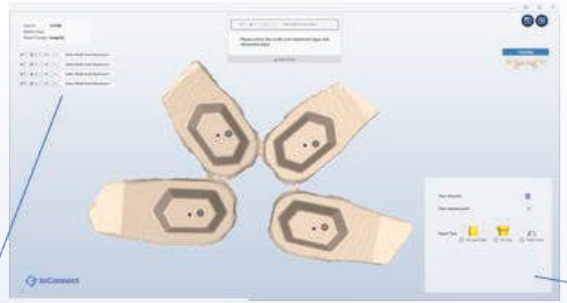


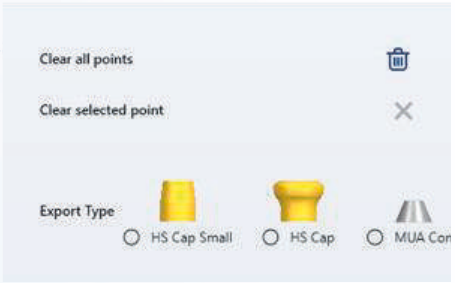
Lab Side

ioConnect™

AOT Position Data Export

AOT Position data export using ioConnect™ Software in TruSuite





a. Create the order and import the ioConnect™ scan data

b. Follow the instructions

c. Generate and export

Attention You should choose the export option based on what caps were used in the soft tissue scan.

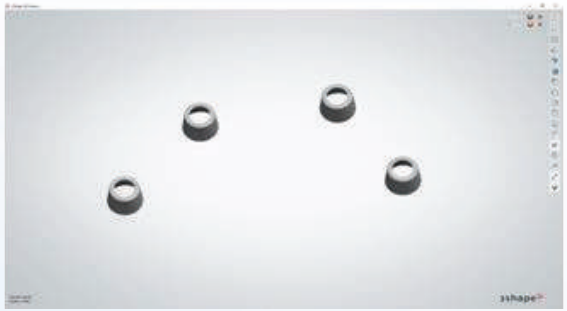
Attention If the scans do not show the ioConnect sizes (S,M,L) then you need to get the sizes from the clinic.

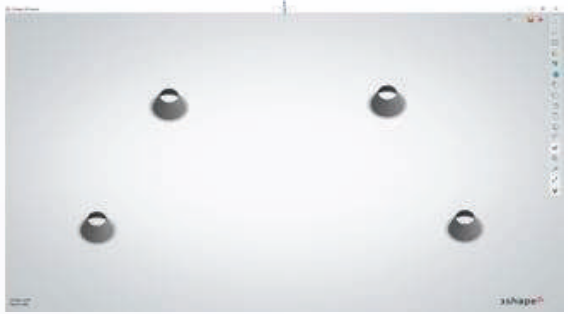
Lab Side

ioConnect™

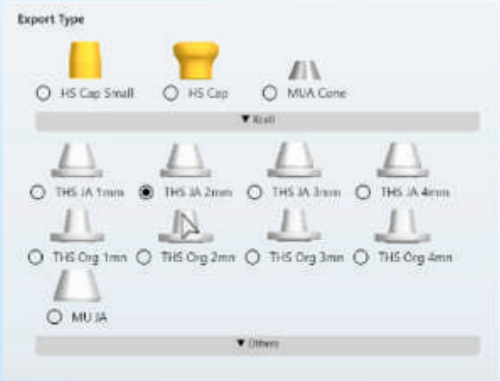
AOT Position Data Export

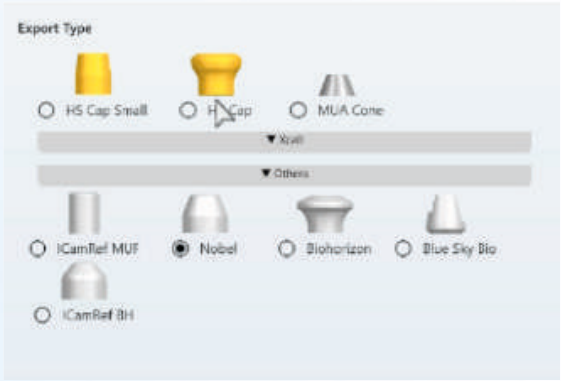
Export type





Soon, more export types will be available.

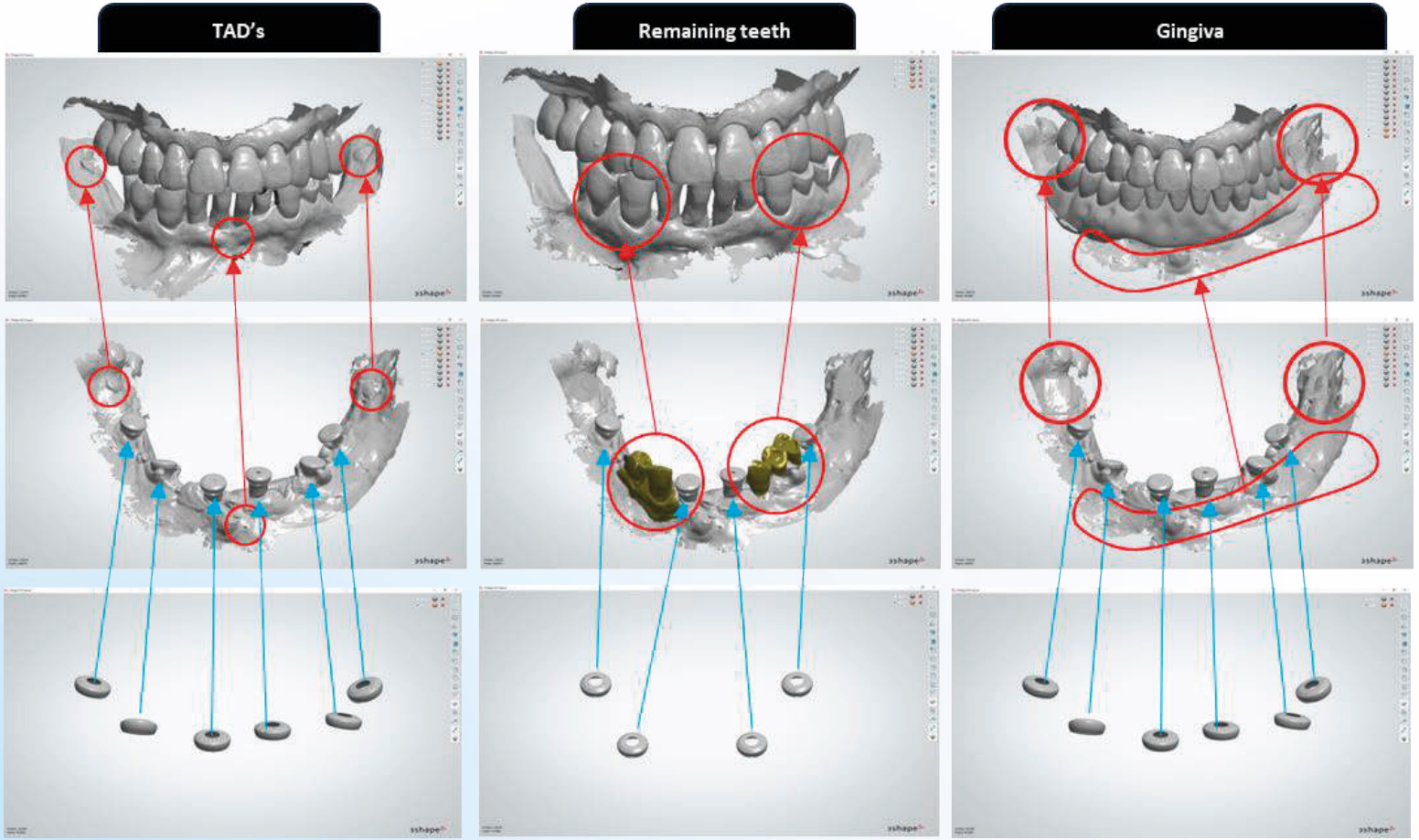




Lab Side

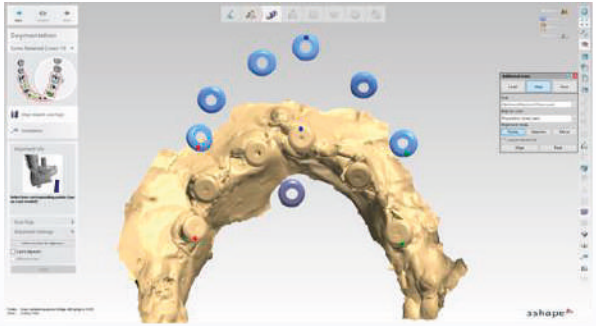
ioConnect™

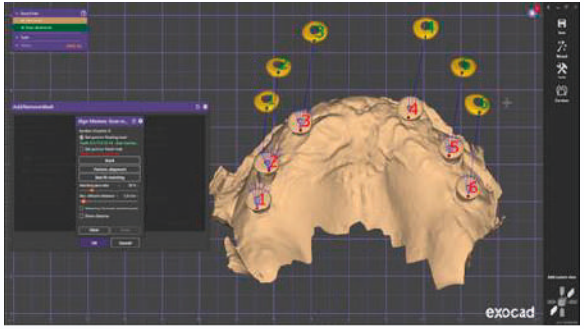
Design

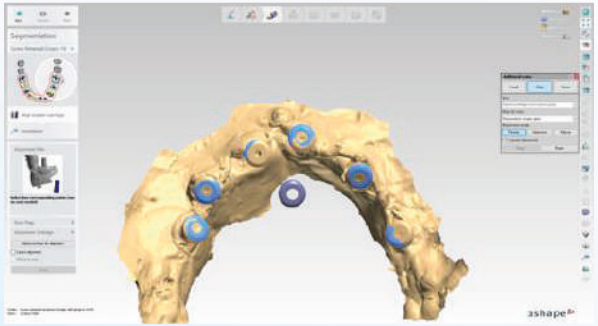


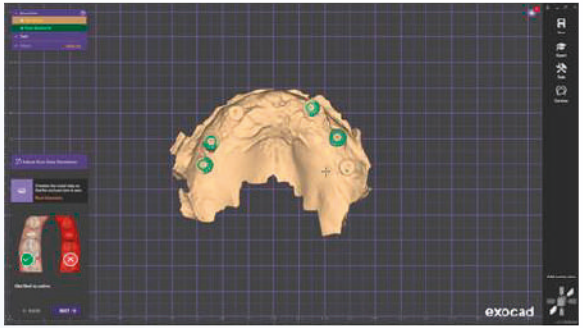
Lab Side

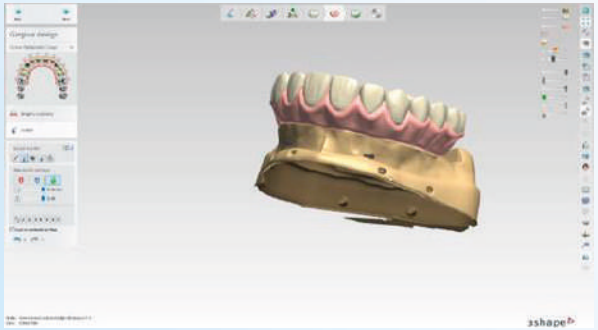
ioConnect™

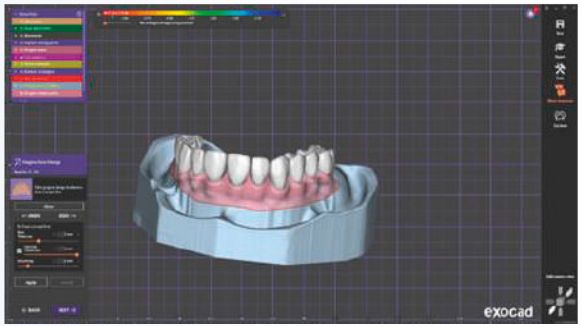










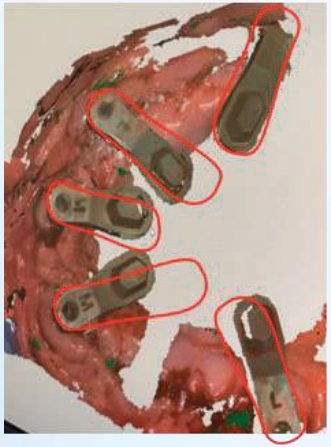


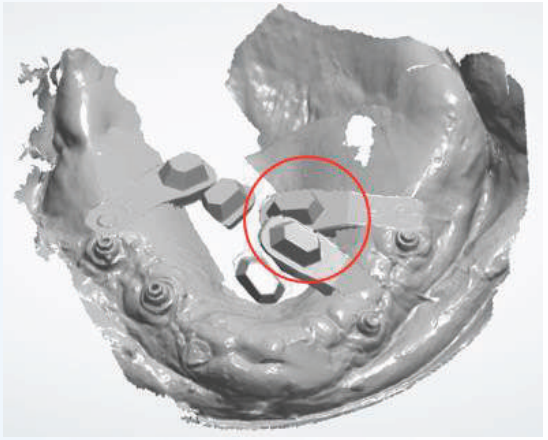
Attention

ioConnect™

ioConnect™ Scan

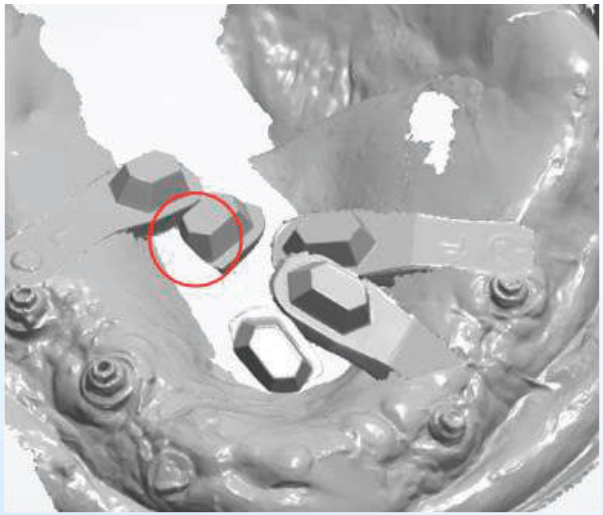
Attention When scanning with ioConnect™, ensure that the scan bodies do not touch or press against each other, while positioning them as close to the center as possible.





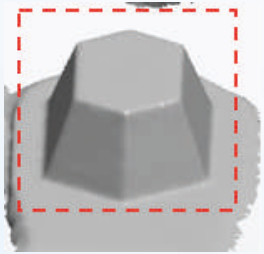
Attention

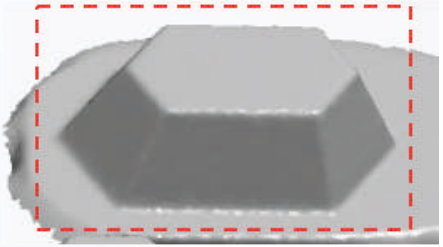
ioConnect™



ioConnect™ Scan

Attention The hexagonal shapes for matching the scan body must be scanned properly





Attention only scan the central matching areas of the scan bodies, not the entire structure. Scanning beyond this can negatively affect accuracy.

Attention

ioConnect™

ioConnect™ Scan

Avoid



DO