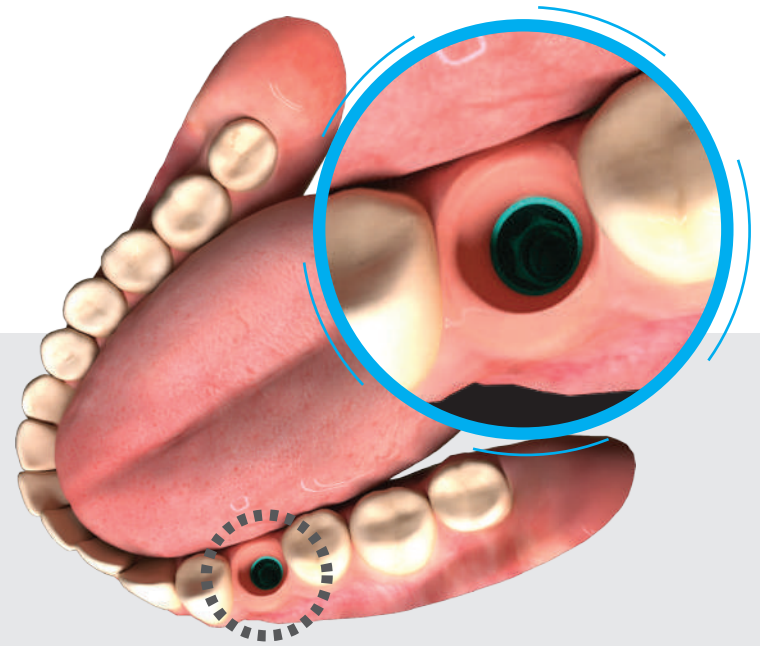# TruAbutment
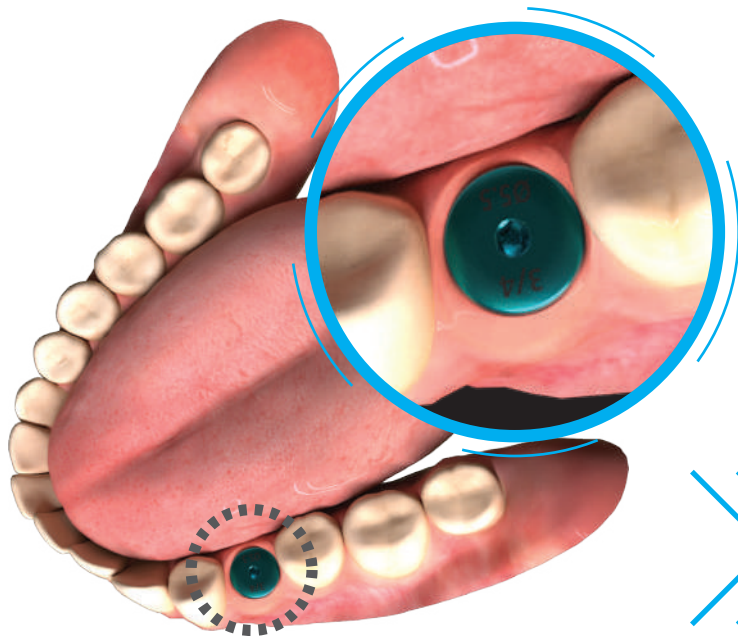# Solution for CEREC®
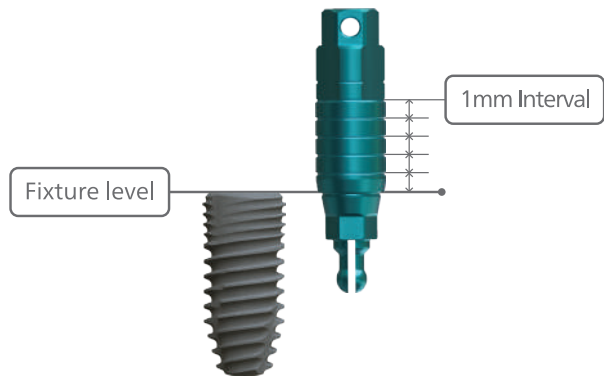
TruAbutment
Solution for CEREC®
Workflow

Chairside Options

STEP

01

Removal of Healing Abutment

1mm Interval

Fixture level

*Use gingival depth gauge from an implant manufacturer.
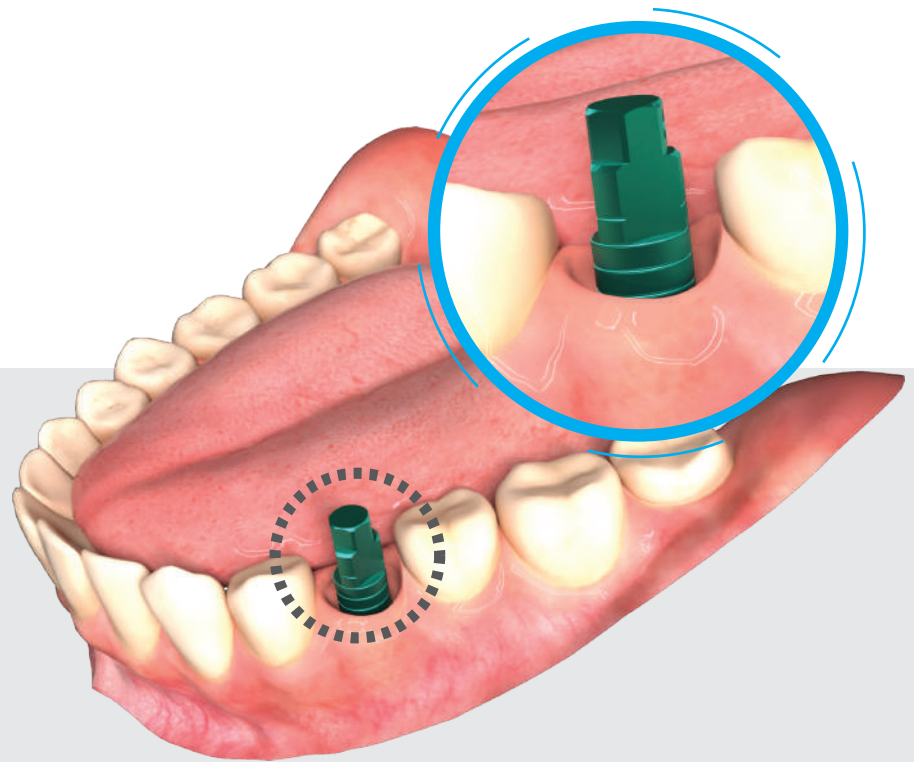
STEP
02
Gingival Height Measurement

Select TruScan Post based on patient tissue height

Chart below shows the recommended TruScan Post height depending on the patient's overall tissue height. TruAbutment always recommends selecting a lower GH than the patient's overall tissue height to have enough room to design your emergence profile.

Patient Tissue Height	Recommended Scan Post Height
2mm	GH1
3mm	GH1 - GH2
4mm	GH2 - GH3
5mm	GH3 - GH4
6mm	GH4

Yellow   Green   Blue   Purple

GH1   GH2   GH3   GH4
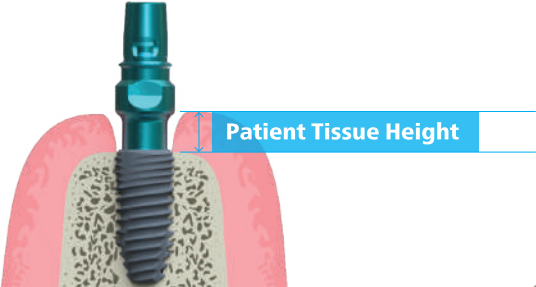
*Recommended torque value: 10 ~15N·cm

Patient Tissue Height

STEP
## 03
TruScan Post Selection

A. Crown sprue will be rotated 90° clockwise from the notch of the TruScan Post for screw retained crown.
(Note: This does not apply to abutment with crown restoration)

B. Face the notch of the TruScan Post toward the indicated direction as shown below to keep the sprue on the lingual side.

■ Tooth #1~#8 / #17~#24: Face the notch of the scan post mesially.
■ Tooth #9~#16 / #25~#32: Face the notch of the scan post distally.
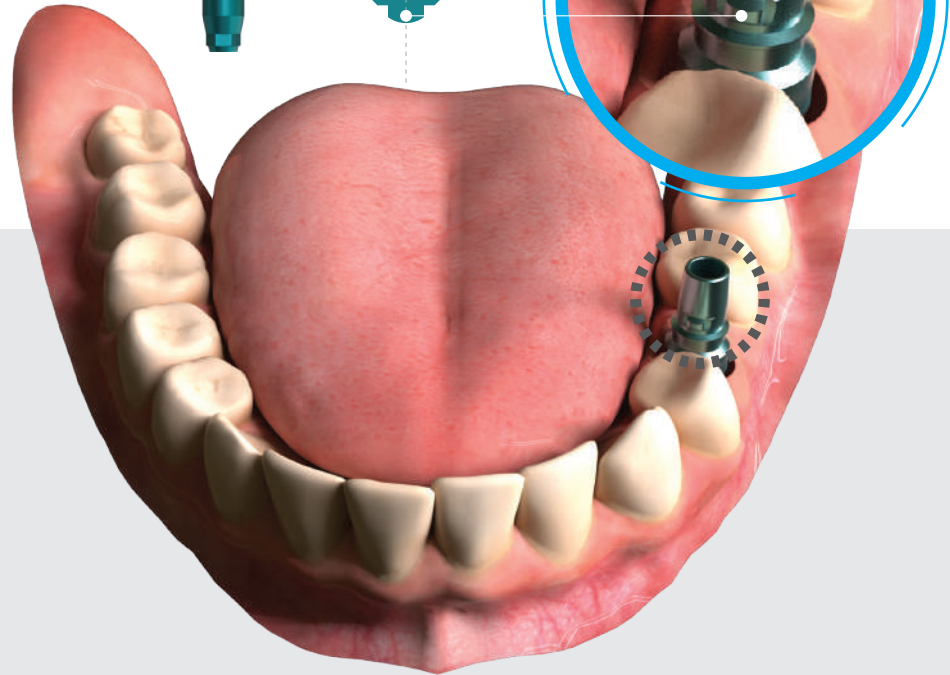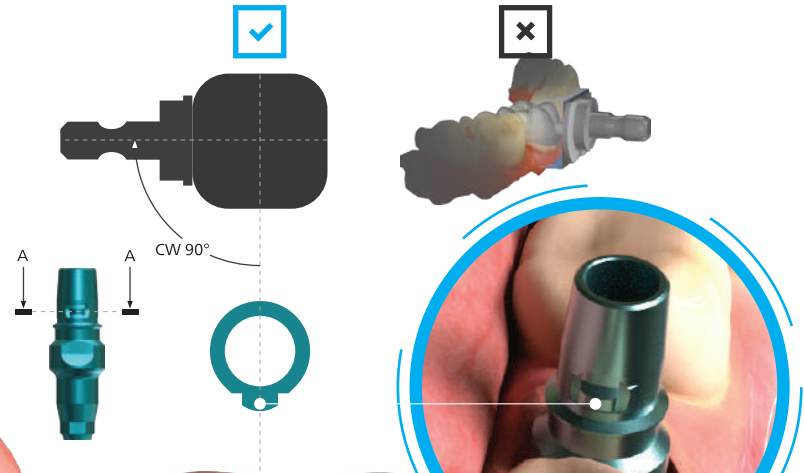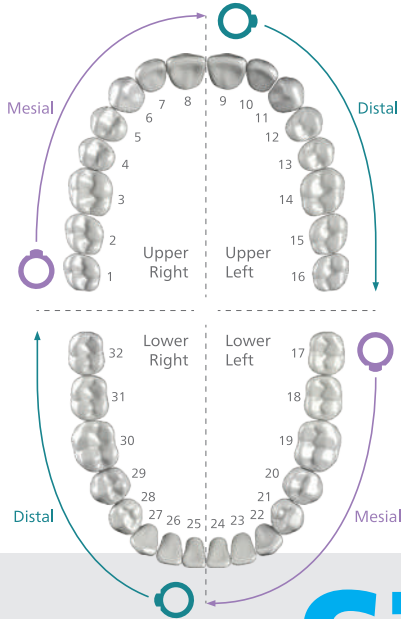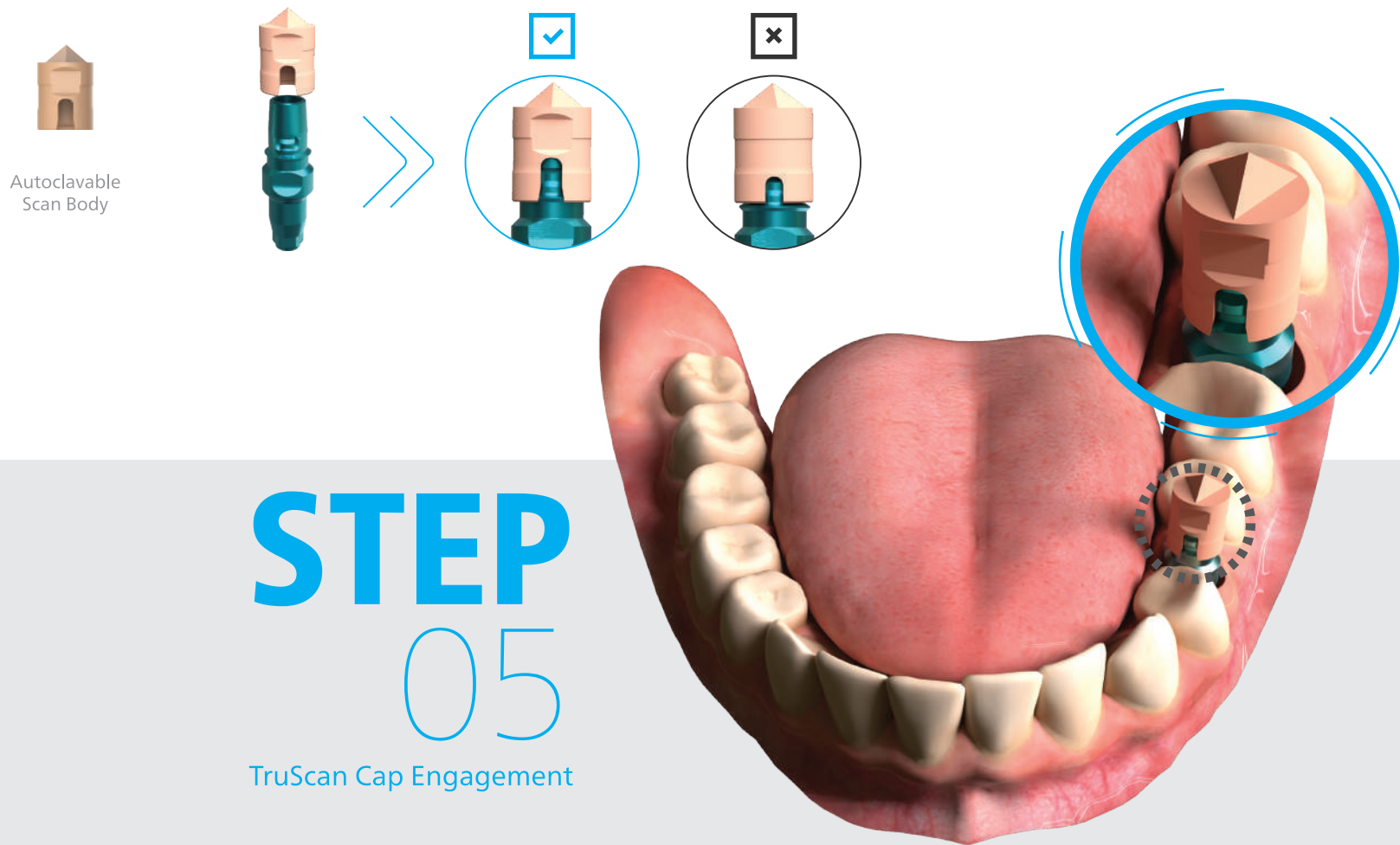

STEP
04
Notch Direction of TruScan Post

A. Align the flat sides of both TruScan Cap and TruScan Post.

B. Engage the TruScan Cap onto the TruScan Post using the flat side as a reference point indicating the direction of engagement.

C. Once you hear the click sound, it is fully engaged.

D. If you do not hear the click sound, replace the TruScan Cap with a new one.

Autoclavable
Scan Body

STEP
05
TruScan Cap Engagement

Administration

A. Select the type of restoration.

B. Select the implant system according to the compatibility chart.

C. Select "ScanPost" under "Scanbody Type" when using the TruScan Post.

*Clinician must choose the corresponding implant library from the chart provided here.

CEREC®
Software
Library
Selection

Tru Compatibility Chart

| Compatible with			TiBase & ScanPost Library Selection			Meso Size
Manufacturer	Brand	Platform Size	Manufacturer	Library	Scanbody Type	
BioHorizons	Internal	3.0	BioHorizons	BH 3.0	ScanPost	S
		3.5		BH 3.5		L
		4.5		BH 4.5		L
		5.7		BH 5.7		L
Dentium	SuperLine	4.5	Dentsply Sirona others	NB A 4.5		L
Dentsply Sirona	Astra Tech OsseoSpeed EV	3.0	Dentsply Sirona	AT EV 3.0	ScanPost	S
		3.6		AT EV 3.6		S
		4.2		AT EV 4.2		L
		4.8		AT EV 4.8		L
		5.4		AT EV 5.4		L
	Astra Tech OsseoSpeed TX	3.5-4.0	Dentsply Sirona others	AT OS 3.5/4.0	ScanPost	L
		4.5-5.0		AT OS 4.5/5.0		L
Hiossen	ET	Mini	Camlog	3.8	ScanPost	S
		Regular	Dentsply Sirona others	NB A 4.5		L
MegaGen	AnyRidge	4.5	Dentsply Sirona others	NB A 4.5	ScanPost	L
Neodent	GM	-	Dentsply Sirona others	NB A 4.5	ScanPost	L
Nobel Biocare	NobelActive	NP	Dentsply Sirona others	NB A 4.5	ScanPost	L
		RP		NB A 5.0		L
	NobelReplace	NP	Dentsply Sirona others	NB RS 3.5	ScanPost	L
		RP		NB RS 4.3		L
		WP		NB RS 5.0		L
		6.0		NB RS 6.0		L
Straumann	BLX	RB	Dentsply Sirona others	NB A 5.0 (RP)	ScanPost	L
		WB				L
	Bone Level	NC	Dentsply Sirona others	S BL 3.3	ScanPost	L
		RC		S BL 4.1		L
	Tissue Level	RN	Dentsply Sirona others	SO 4.8	ScanPost	L
		WN		SO 6.5		L
URIS	OMNI	Narrow	Camlog	3.8	ScanPost	S
		Regular	Dentsply Sirona others	NB A 4.5		L
Zimmer Biomet	3i Certain	3.4	Dentsply Sirona others	B C 3.4	ScanPost	S
		4.1		B C 4.1		L
		5.0		B C 5.0		L
	TSV	3.5	Dentsply Sirona others	Z TSV 3.5	ScanPost	L
		4.5		Z TSV 4.5		L
		5.7		Z TSV 5.7		L

Acquisition

Proceed with Intraoral Scanning

- Upper

- Lower

- Buccal

- Scan with TruScan Post
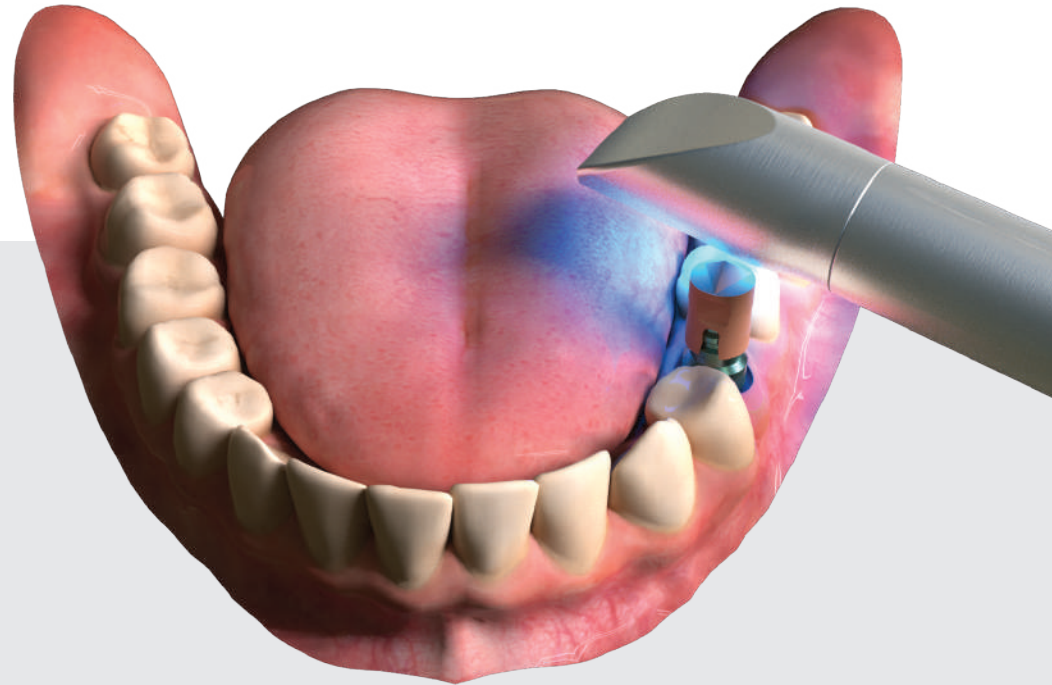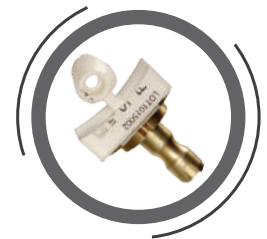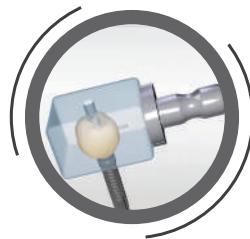
STEP
06
Intraoral Scan

STEP
07
Design

Hybrid Abutment Parameter Set

- ■ Minimal Radial Thickness : 500 μm

- ■ Minimal Occlusal Thickness : 500 μm

- ■ Telescope Angle : 4°

- ■ Potential Issues with Thickness

*Follow the minimum thickness requirement for abutment parameter set.
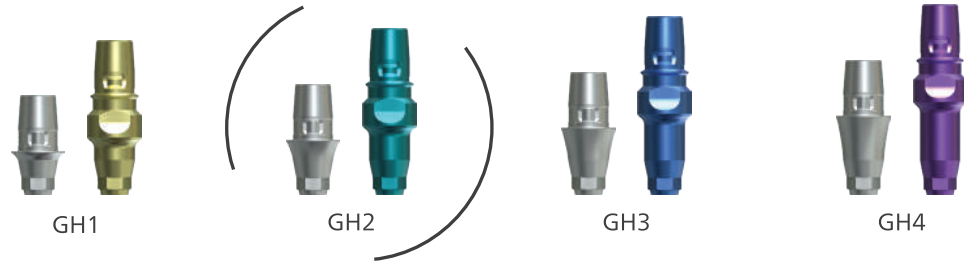
STEP
08
Milling

*Post-procedures such as shading, sintering, and polishing to follow.

STEP
09
TruBase Selection on Chairside

Each TruScan Post and TruBase must be used as a pair with the correlating gingival heights.

E.g. If TruScan Post GH2 is used for scanning, TruBase GH2 must be used for restoration.

GH1   GH2   GH3   GH4

STEP
10
Final Restoration

Bonding   **Torque at the manufacturer's recommended value**   **Fill up the screw hole**   **Finish**
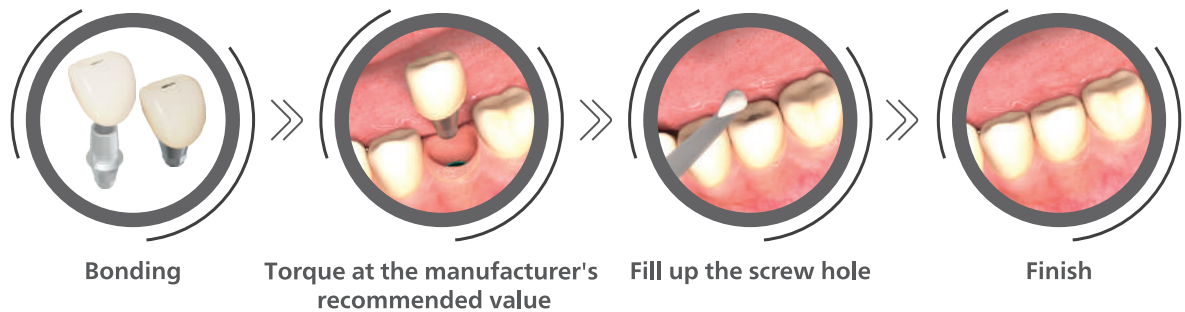
TruAbutment
Solution for CEREC®
Workflow
Custom Restoration Options

Removal of Healing Abutment › Gingival Height Measurement › TruScan Post Selection › TruScan Cap Engagement

DS · ASC · AOT · T-L

Dentist

TruAbutment

01
Scan

Upload
DXD STL →

Sirona Connect

Download
→ DXD STL

02
Design
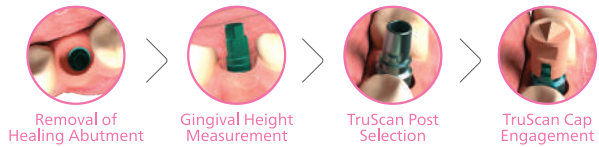
Custom Abutment Design
Crown Design
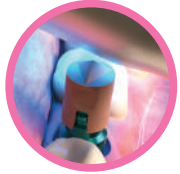
Digital Impression
Prep/Antagonist/Buccal
TruScan Post
Send your scan file to TruAbutment via Sirona Connect

03
Produce

Mill Custom Abutment

Download
DXD STL ←

Sirona Connect

Upload
← DXD STL
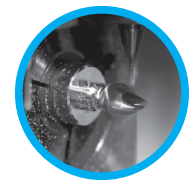
04
Send

Send the Products
Send Core (DXD/STL) File

06
Final Restoration

《

·
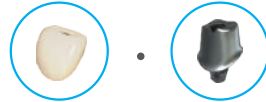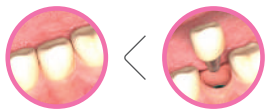
05
Deliver

How to Submit CEREC® ACQUISITON Details to TruAbutment

1   After acquisition (scanning), select **Connect Case Center** to initiate your case submission.
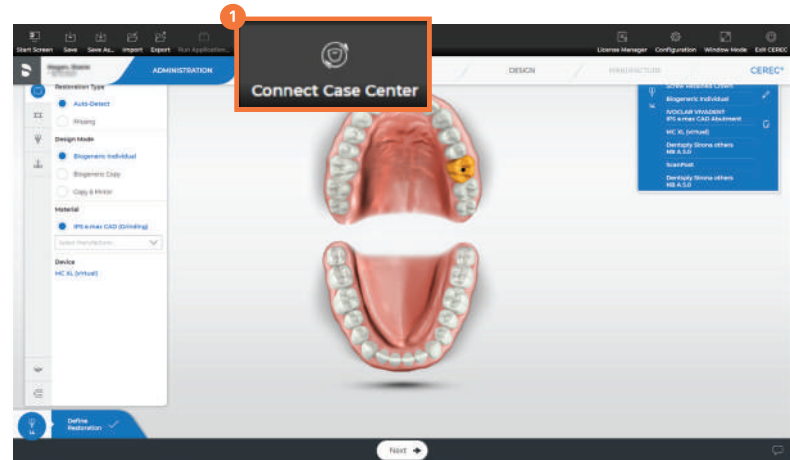
2   Make sure to **uncheck the Anonymous box** to keep the case reference name.

3   Select **TruAbutment Inc. USA** as the recipient.
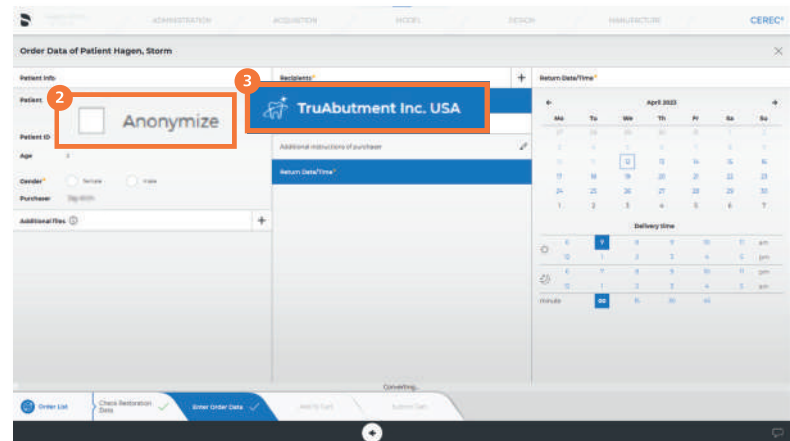
How to Submit CEREC® ACQUISITON Details to TruAbutment

Sirona Connect

4 Select the case(s) to submit to TruAbutment.

5 Click **Submit Cart** to complete the order process.

Manufacturer
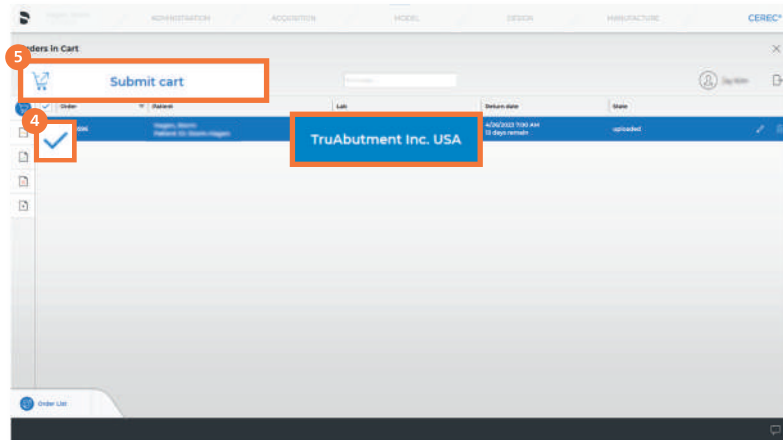
6 Once you **Commission** the selected case(s) on this pop-up, login to **shop.truabutment.com** to fill out the prescription (Rx) detail.

How to Submit Prescription Details to TruAbutment

TruAbutment Customer Portal
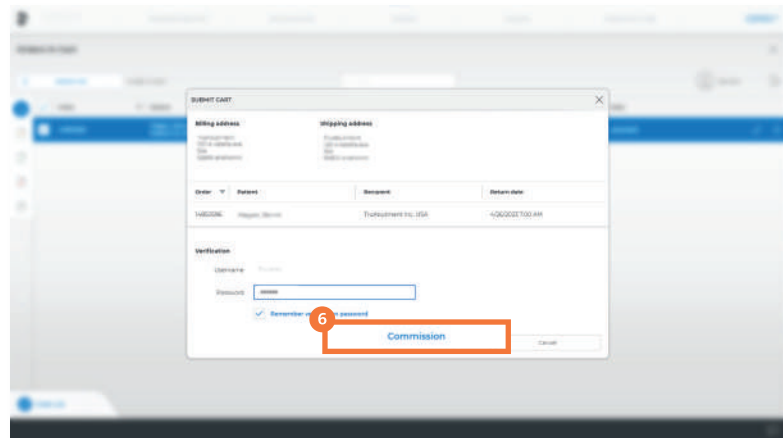
① Select **Order** tab to begin your order.

② Select **New Order.**

③ Select TruAbutment DS for Custom Abutment/
Healing Abutment/AOT/T-L/ASC Solutions.

④ Select **Digital Impression.**

⑤ Select **Sirona Connection Portal.**

⑥ Fill in **Reference Name.**
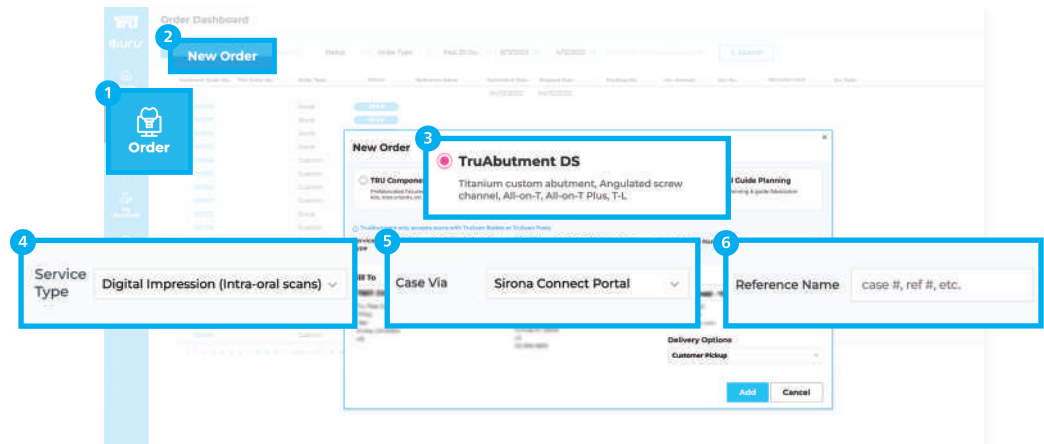
⑦ Select **Need Design Confirmation** if desired.

⑧ Select **.dxd** file for CAD service option if desired.

No need to attach scans here if your scan has been sent
via Sirona Connect

⑨ Select **Add Abutment** to fill in the prescription (Rx) detail.
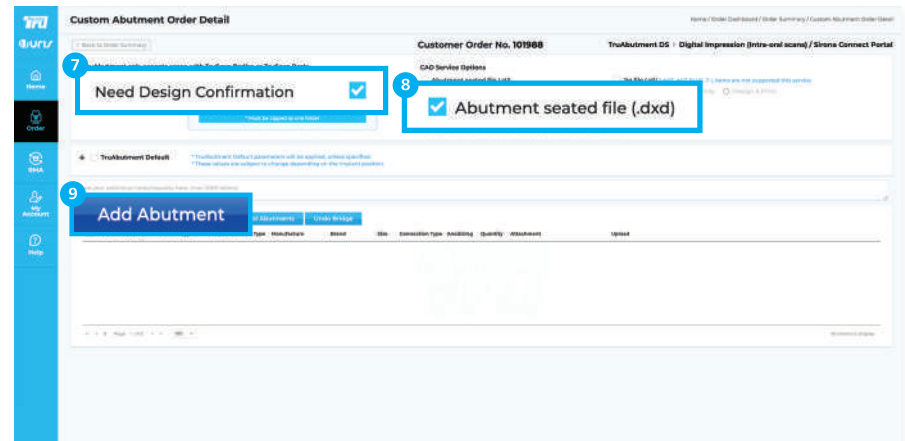
How to Submit Prescription Details to TruAbutment

10 Fill in the Order Details.

11 ScanBody Type
a. Select **ScanPost** if you used **TruScan Post for CEREC**®
b. Select **ScanBody** if you used **TruScan Body**

12 **Save** to proceed and exit the pop-up.

13 **Save** to proceed to the order summary page.
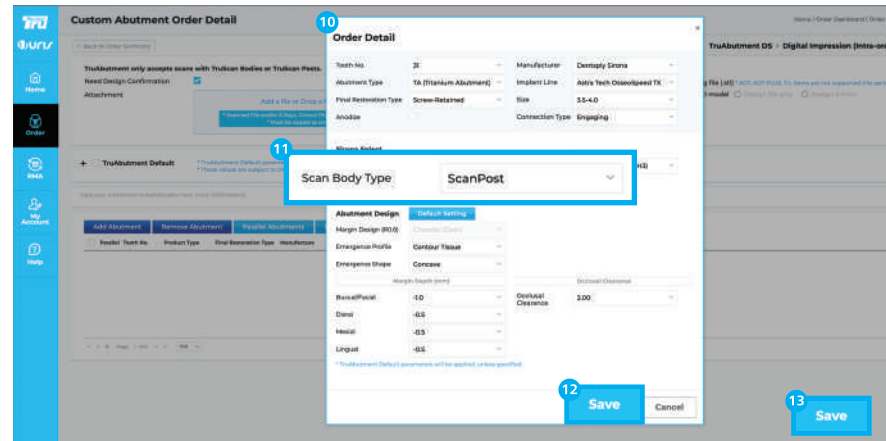
14 Select **Add Crown** and fill out the pop-up to request a crown design file (**.stl** file).

15 **Submit** to complete the order.
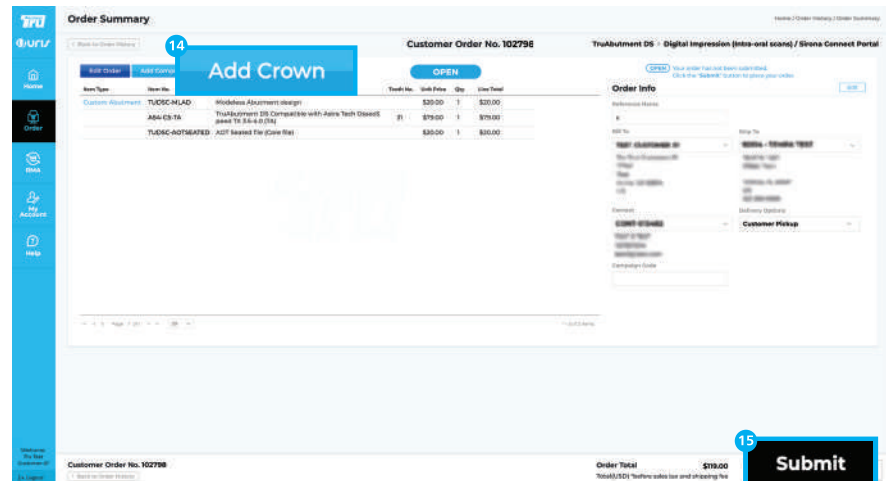
TruAbutment
Solution for CEREC®
Products

Packing Unit: TruBase + 2 Screws
(ex. BHN-BS08S + BHN-BSx2)

Packing Unit: TruScan Post + TruScan Cap + 1 Screw
(ex. BHN-SSP08 + CMM-SSC4 + BHN-BS)

Compatible with			Abutment Type		TruBase				TruScan Post				TruScan Cap	Screw	TruScan Post Kit
Manufacturer	Brand	Platform	DS/BASE/AOT/T-L	ASC	GH1	GH2	GH3	GH4	GH1	GH2	GH3	GH4			
BioHorizons	Internal	3.0	Torque: 30N·Cm / 25N·Cm; Driver: 0.050" Hex 1.25mm		BHN-BS08S	BHN-BS18S	BHN-BS28S	BHN-BS38S	BHN-SSP08	BHN-SSP18	BHN-SSP28	BHN-SSP38	CMM-SSC4	BHN-BS	BHN-SBCASE
		3.5	Torque: 30N·Cm / 25N·Cm; Driver: 0.050" Hex 1.25mm		BH35-BS08S	BH35-BS18S	BH35-BS28S	BH35-BS38S	BH35-SSP08	BH35-SSP18	BH35-SSP28	BH35-SSP38	CMM-SSC4	BHN-BS	BH35-SBCASE
		4.5	Torque: 30N·Cm / 25N·Cm; Driver: 0.050" Hex 1.25mm		BH45-BS08S	BH45-BS18S	BH45-BS28S	BH45-BS38S	BH45-SSP08	BH45-SSP18	BH45-SSP28	BH45-SSP38	CMM-SSC4	BHN-BS	BH45-SBCASE
		5.7	Torque: 30N·Cm / 25N·Cm; Driver: 0.050" Hex 1.25mm		BH57-BS08S	BH57-BS18S	BH57-BS28S	BH57-BS38S	BH57-SSP08	BH57-SSP18	BH57-SSP28	BH57-SSP38	CMM-SSC4	BHN-BS	BH57-SBCASE

Compatible with			Abutment Type		TruBase				TruScan Post				TruScan Cap	Screw	TruScan Post Kit
Manufacturer	Brand	Platform	DS/BASE/AOT/T-L	ASC	GH1	GH2	GH3	GH4	GH1	GH2	GH3	GH4			
Dentium	SuperLine	-	Torque 30N·Cm | 25N·Cm Driver 0.050" Hex 1.25mm		DSU-BS145S	DSU-BS245S	DSU-BS345S	DSU-BS445S	DSU-SSP08	DSU-SSP18	DSU-SSP28	DSU-SSP38	CMM-SSC4	DSU-BS	DSU-SBCASE

Compatible with			Abutment Type		TruBase				TruScan Post				TruScan Cap	Screw	TruScan Post Kit
Manufacturer	Brand	Platform	DS/BASE/AOT/T-L	ASC	GH1	GH2	GH3	GH4	GH1	GH2	GH3	GH4			
Dentsply Sirona	Astra Tech OsseoSpeed EV	3.0	Torque 25N·Cm Driver 0.050" Hex 1.25mm		AE30-BS08S	AE30-BS18S	AE30-BS28S	AE30-BS38S	AE30-SSP08	AE30-SSP18	AE30-SSP28	AE30-SSP38	CMM-SSC4	AE30-BS	AE30-SBCASE
		3.6	Torque 25N·Cm Driver 0.050" Hex 1.25mm		AE36-BS08S	AE36-BS18S	AE36-BS28S	AE36-BS38S	AE36-SSP08	AE36-SSP18	AE36-SSP28	AE36-SSP38	CMM-SSC4	AE36-BS	AE36-SBCASE
		4.2	Torque 25N·Cm Driver 0.050" Hex 1.25mm		AE42-BS08S	AE42-BS18S	AE42-BS28S	AE42-BS38S	AE42-SSP08	AE42-SSP18	AE42-SSP28	AE42-SSP38	CMM-SSC4	AE42-BS	AE42-SBCASE

Compatible with			Abutment Type		TruBase				TruScan Post				TruScan Cap	Screw	TruScan Post Kit
Manufacturer	Brand	Platform	DS/BASE/AOT/T-L	ASC	GH1	GH2	GH3	GH4	GH1	GH2	GH3	GH4			
Dentsply Sirona	Astra Tech OsseoSpeed EV	4.8	Torque 25N·Cm / Driver 0.050" Hex 1.25mm		AE48-BS08S	AE48-BS18S	AE48-BS28S	AE48-BS38S	AE48-SSP08	AE48-SSP18	AE48-SSP28	AE48-SSP38	CMM-SSC4	AE48-BS	AE48-SBCASE
		5.4	Torque 25N·Cm / Driver 0.050" Hex 1.25mm		AE54-BS08S	AE54-BS18S	AE54-BS28S	AE54-BS38S	AE54-SSP08	AE54-SSP18	AE54-SSP28	AE54-SSP38	CMM-SSC4	AE48-BS	AE54-SBCASE
	Astra Tech OsseoSpeed TX	3.5-4.0	Torque 20N·Cm / Driver 0.050" Hex 1.25mm		AS4-BS08S	AS4-BS18S	AS4-BS28S	AS4-BS38S	AS4-SSP08	AS4-SSP18	AS4-SSP28	AS4-SSP38	CMM-SSC4	AS4-BS	AS4-SBCASE
		4.5-5.0	Torque 25N·Cm / Driver 0.050" Hex 1.25mm		AS5-BS08S	AS5-BS18S	AS5-BS28S	AS5-BS38S	AS5-SSP08	AS5-SSP18	AS5-SSP28	AS5-SSP38	CMM-SSC4	AS5-BS	AS5-SBCASE

Hiossen — ET

Compatible with			Abutment Type		TruBase				TruScan Post				TruScan Cap	Screw	TruScan Post Kit
Manufacturer	Brand	Platform	DS/BASE/AOT/T-L	ASC	GH1	GH2	GH3	GH4	GH1	GH2	GH3	GH4			
Hiossen	ET		Mini — Torque 20N·Cm / Driver 0.048" Hex 1.2mm		OTM-BS140S	OTM-BS240S	OTM-BS340S	OTM-BS440S	OTM-SSP08	OTM-SSP18	OTM-SSP28	OTM-SSP38	CMM-SSC4	OTM-BS	OTM-SBCASE
			Regular — Torque 30N·Cm | 25N·Cm / Driver 0.048" Hex 1.2mm		OTR-BS145S	OTR-BS245S	OTR-BS345S	OTR-BS445S	OTR-SSP08	OTR-SSP18	OTR-SSP28	OTR-SSP38	CMM-SSC4	OTR-BS	OTR-SBCASE

MegaGen — Anyridge

Compatible with			Abutment Type		TruBase				TruScan Post				TruScan Cap	Screw	TruScan Post Kit
Manufacturer	Brand	Platform	DS/BASE/AOT/T-L	ASC	GH1	GH2	GH3	GH4	GH1	GH2	GH3	GH4			
MegaGen	Anyridge	-	Torque 30N·Cm / Driver 0.048" Hex 1.2mm		MRD-BS145S	MRD-BS245S	MRD-BS345S	MRD-BS445S	MRD-SSP08	MRD-SSP18	MRD-SSP28	MRD-SSP38	CMM-SSC4	MRD-BS	MRD-SBCASE

Neodent — GM

Compatible with			Abutment Type		TruBase				TruScan Post				TruScan Cap	Screw	TruScan Post Kit
Manufacturer	Brand	Platform	DS/BASE/AOT/T-L	ASC	GH1	GH2	GH3	GH4	GH1	GH2	GH3	GH4			
Neodent	GM	-	Torque 25N·Cm | 25N·Cm / Driver Exclusive Neodent GM Torx		NDG-BS08S	NDG-BS18S	NDG-BS28S	NDG-BS38S	NDG-SSP08	NDG-SSP18	NDG-SSP28	NDG-SSP38	CMM-SSC4	NDG-BS	NDG-SBCASE

Packing Unit: TruBase + 2 Screws (ex. NAN-BS08S + NAN-BSx2)

Packing Unit: TruScan Post + TruScan Cap + 1 Screw (ex. NAN-SSP08 + CMM-SSC4 + NAN-BS)

Compatible with			Abutment Type		TruBase				TruScan Post				TruScan Cap	Screw	TruScan Post Kit
Manufacturer	Brand	Platform	DS/BASE/AOT/T-L	ASC	GH1	GH2	GH3	GH4	GH1	GH2	GH3	GH4			
Nobel Biocare	Nobel Active	NP	Torque: 35N·Cm | 25N·Cm — Driver: NobelBiocare Unigrip		NAN-BS08S	NAN-BS18S	NAN-BS28S	NAN-BS38S	NAN-SSP08	NAN-SSP18	NAN-SSP28	NAN-SSP38	CMM-SSC4	NAN-BS	NAN-SBCASE
		RP	Torque: 35N·Cm | 25N·Cm — Driver: NobelBiocare Unigrip		NAR-BS08S	NAR-BS18S	NAR-BS28S	NAR-BS38S	NAR-SSP08	NAR-SSP18	NAR-SSP28	NAR-SSP38	CMM-SSC4	NAR-BS	NAR-SBCASE
	Nobel Replace	NP	Torque: 35N·Cm — Driver: NobelBiocare Unigrip		NRN-BS08S	NRN-BS18S	NRN-BS28S	NRN-BS38S	NRN-SSP08	NRN-SSP18	NRN-SSP28	NRN-SSP38	CMM-SSC4	NRN-BS	NRN-SBCASE
		RP	Torque: 35N·Cm — Driver: NobelBiocare Unigrip		NRR-BS08S	NRR-BS18S	NRR-BS28S	NRR-BS38S	NRR-SSP08	NRR-SSP18	NRR-SSP28	NRR-SSP38	CMM-SSC4	NRR-BS	NRR-SBCASE

Packing Unit: TruBase + 2 Screws (ex. NRW-BS08S + NRR-BSx2)

Packing Unit: TruScan Post + TruScan Cap + 1 Screw (ex. NRW-SSP08 + CMM-SSC4 + NRR-BS)

Compatible with			Abutment Type		TruBase				TruScan Post				TruScan Cap	Screw	TruScan Post Kit
Manufacturer	Brand	Platform	DS/BASE/AOT/T-L	ASC	GH1	GH2	GH3	GH4	GH1	GH2	GH3	GH4			
Nobel Biocare	Nobel Replace	WP	Torque 35N·Cm / Driver NobelBiocare Unigrip		NRW-BS08S	NRW-BS18S	NRW-BS28S	NRW-BS38S	NRW-SSP08	NRW-SSP18	NRW-SSP28	NRW-SSP38	CMM-SSC4	NRR-BS	NRW-SBCASE
		6.0	Torque 35N·Cm / Driver NobelBiocare Unigrip		NR6-BS08S	NR6-BS18S	NR6-BS28S	NR6-BS38S	NR6-SSP08	NR6-SSP18	NR6-SSP28	NR6-SSP38	CMM-SSC4	NRR-BS	NR6-SBCASE

Packing Unit: TruBase + 2 Screws (ex. SBN-BS08S + SBN-BWx2)

Packing Unit: TruScan Post + TruScan Cap + 1 Screw (ex. SBN-SSP08 + CMM-SSC4 + SBN-BW)

Compatible with			Abutment Type		TruBase				TruScan Post				TruScan Cap	Screw	TruScan Post Kit
Manufacturer	Brand	Platform	DS/BASE/AOT/T-L	ASC	GH1	GH2	GH3	GH4	GH1	GH2	GH3	GH4			
Straumann	BLX	RB	Torque 35N·Cm / 25N·Cm / Driver Straumann Torx		SXR-BS08S	SXR-BS18S	SXR-BS28S	SXR-BS38S	SXR-SSP08	SXR-SSP18	SXR-SSP28	SXR-SSP38	CMM-SSC4	SXR-BS	SXR-SBCASE
		WB	Torque 35N·Cm / 25N·Cm / Driver Straumann Torx		SXW-BS08S	SXW-BS18S	SXW-BS28S	SXW-BS38S	SXW-SSP08	SXW-SSP18	SXW-SSP28	SXW-SSP38	CMM-SSC4	SXR-BS	SXW-SBCASE

Packing Unit: TruBase + 2 Screws
(ex. STR-BS08S + STR-BWx2)

Packing Unit: TruScan Post + TruScan Cap + 1 Screw
(ex. STR-SSP08 + CMM-SSC4 + STR-BW)

Compatible with			Abutment Type		TruBase				TruScan Post				TruScan Cap	Screw	TruScan Post Kit
Manufacturer	Brand	Platform	DS/BASE/AOT/ **T-L**	ASC	GH1	GH2	GH3	GH4	GH1	GH2	GH3	GH4			

Straumann

Bone Level

NC — Torque 35N·Cm | 25N·Cm — Driver Straumann Torx

					SBN-BS08S	SBN-BS18S	SBN-BS28S	SBN-BS38S	SBN-SSP08	SBN-SSP18	SBN-SSP28	SBN-SSP38	CMM-SSC4	SBN-BS	SBN-SBCASE

RC — Torque 35N·Cm | 25N·Cm — Driver Straumann Torx

					SBR-BS08S	SBR-BS18S	SBR-BS28S	SBR-BS38S	SBR-SSP08	SBR-SSP18	SBR-SSP28	SBR-SSP38	CMM-SSC4	SBR-BS	SBR-SBCASE

Tissue Level

RN — Torque 35N·Cm — Driver Straumann Torx

					STR-BS08S				STR-SSP08				CMM-SSC4	STR-BS	

WN — Torque 35N·Cm — Driver Straumann Torx

					STW-BS08S				STW-SSP08				CMM-SSC4	STR-BS	

Compatible with			Abutment Type		TruBase				TruScan Post				TruScan Cap	Screw	TruScan Post Kit
Manufacturer	Brand	Platform	DS/BASE/AOT/T-L	ASC	GH1	GH2	GH3	GH4	GH1	GH2	GH3	GH4			
URIS	OMNI	Narrow	Torque 20N·Cm / Driver 0.050" Hex 1.25mm		UBN4008HS	UBN4018HS	UBN4028HS	UBN4038HS	USPN4008	USPN4018	USPN4028	USPN4038	CMM-SSC4	UAS16H	UON-SBCASE
		Regular	Torque 35N·Cm | 25N·Cm / Driver 0.050" Hex 1.25mm		UBR4508HS	UBR4518HS	UBR4528HS	UBR4538HS	USPR4508	USPR4518	USPR4528	USPR4538	USPR4508	UAS20H	UOR-SBCASE

Compatible with			Abutment Type		TruBase				TruScan Post				TruScan Cap	Screw	TruScan Post Kit
Manufacturer	Brand	Platform	DS/BASE/AOT/T-L	ASC	GH1	GH2	GH3	GH4	GH1	GH2	GH3	GH4			
Zimmer Biomet	3i Certain	3.4	Torque 20N·Cm / Driver 0.048" Hex 1.2mm		BC34-BS08S	BC34-BS18S	BC34-BS28S	BC34-BS38S	BC34-SSP08	BC34-SSP18	BC34-SSP28	BC34-SSP38	CMM-SSC4	BC34-BS	BC34-SBCASE
		4.1	Torque 20N·Cm / Driver 0.048" Hex 1.2mm		BC41-BS08S	BC41-BS18S	BC41-BS28S	BC41-BS38S	BC41-SSP08	BC41-SSP18	BC41-SSP28	BC41-SSP38	CMM-SSC4	BC34-BS	BC41-SBCASE

Packing Unit: TruBase + 2 Screws
(ex. BC34-BS08S + BC34-BSx2)

Packing Unit: TruScan Post + TruScan Cap + 1 Screw
(ex. BC34-SSP08 + CMM-SSC4 + BC34-BS)

Compatible with			Abutment Type		TruBase				TruScan Post				TruScan Cap	Screw	TruScan Post Kit
Manufacturer	Brand	Platform	DS/BASE/AOT/T-L	ASC	GH1	GH2	GH3	GH4	GH1	GH2	GH3	GH4			
Zimmer Biomet	3i Certain	5.0	Torque 20N·Cm / Driver 0.048" Hex 1.2mm		BC50-BS08S	BC50-BS18S	BC50-BS28S	BC50-BS38S	BC50-SSP08	BC50-SSP18	BC50-SSP28	BC50-SSP38	CMM-SSC4	BC34-BS	BC50-SBCASE
Zimmer Biomet	TSV	3.5	Torque 30N·Cm | 25N·Cm / Driver 0.050" Hex 1.25mm		ZV3-BS08S	ZV3-BS18S	ZV3-BS28S	ZV3-BS38S	ZV3-SSP08	ZV3-SSP18	ZV3-SSP28	ZV3-SSP38	CMM-SSC4	ZV3-BS	ZV3-SBCASE
		4.5	Torque 30N·Cm | 25N·Cm / Driver 0.050" Hex 1.25mm		ZV4-BS08S	ZV4-BS18S	ZV4-BS28S	ZV4-BS38S	ZV4-SSP08	ZV4-SSP18	ZV4-SSP28	ZV4-SSP38	CMM-SSC4	ZV3-BS	ZV4-SBCASE
		5.7	Torque 30N·Cm | 25N·Cm / Driver 0.050" Hex 1.25mm		ZV5-BS08S	ZV5-BS18S	ZV5-BS28S	ZV5-BS38S	ZV5-SSP08	ZV5-SSP18	ZV5-SSP28	ZV5-SSP38	CMM-SSC4	ZV3-BS	ZV5-SBCASE

TruScan Post
Alpha
Kit

Kit includes 1 of each TruScan Post size with a TruScan Cap and a screw for each gingival height in an autoclavable case. Ideal for single unit restorations.

TruScan Cap X4

Screw X4

GH1(0.8mm) X1

GH2 (1.8mm) X1

GH3 (2.8mm) X1

GH4 (3.8mm) X1

Compatible with			TruScan Post Alpha Kit Product Code
Manufacturer	Brand	Platform	
BioHorizons	Internal	3.0	BHN-ALPHA
		3.5	BH35-ALPHA
		4.5	BH45-ALPHA
		5.7	BH57-ALPHA
Dentium	SuperLine	-	DSU-ALPHA
Dentsply Sirona	Astra Tech OsseoSpeed EV	3.0	AE30-ALPHA
		3.6	AE36-ALPHA
		4.2	AE42-ALPHA
		4.8	AE48-ALPHA
		5.4	AE54-ALPHA
	Astra Tech OsseoSpeed TX	3.5-4.0	AS4-ALPHA
		4.5-5.0	AS5-ALPHA
Hiossen	ET	Mini	OTM-ALPHA
		Regular	OTR-ALPHA
MegaGen	AnyRidge	-	MRD-ALPHA
Neodent	GM	-	NDG-ALPHA
Nobel Biocare	Nobel Active	NP	NAN-ALPHA
		RP	NAR-ALPHA
	Nobel Replace	NP	NRN-ALPHA
		RP	NRR-ALPHA
		WP	NRW-ALPHA
		6.0	NR6-ALPHA
Straumann	BLX	RB	SXR-ALPHA
		WB	SXW-ALPHA
	Bone Level	NC	SBN-ALPHA
		RC	SBR-ALPHA
URIS	OMNI	Narrow	UON-ALPHA
		Regular	UOR-ALPHA
Zimmer Biomet	3i Certain	3.4	BC34-ALPHA
		4.1	BC41-ALPHA
		5.0	BC50-ALPHA
	TSV	3.5	ZV3-ALPHA
		4.5	ZV4-ALPHA
		5.7	ZV5-ALPHA

TruScan Post
Beta
Kit

Kit includes 3 of each TruScan Post size with a TruScan Cap and a screw for each gingival height in an autoclavable case. Ideal for single and multi-unit restorations.

TruScan Cap — X12

Screw — X12
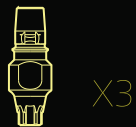
GH1 (0.8mm) — X3

GH2 (1.8mm) — X3

GH3 (2.8mm) — X3

GH4 (3.8mm) — X3
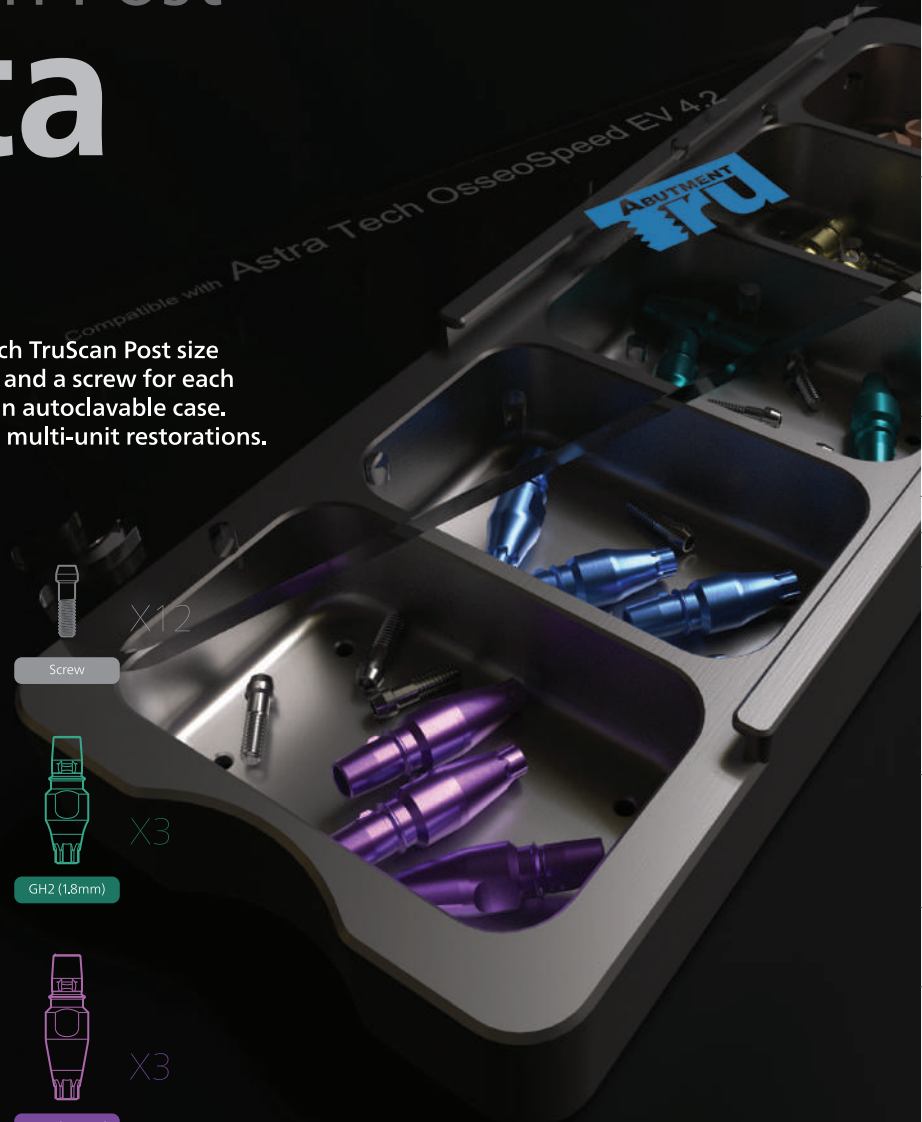
Compatible with			TruScan Post Beta Kit Product Code
Manufacturer	Brand	Platform	
BioHorizons	Internal	3.0	BHN-BETA
		3.5	BH35-BETA
		4.5	BH45-BETA
		5.7	BH57-BETA
Dentium	SuperLine	-	DSU-BETA
Dentsply Sirona	Astra Tech OsseoSpeed EV	3.0	AE30-BETA
		3.6	AE36-BETA
		4.2	AE42-BETA
		4.8	AE48-BETA
		5.4	AE54-BETA
	Astra Tech OsseoSpeed TX	3.5-4.0	AS4-BETA
		4.5-5.0	AS5-BETA
Hiossen	ET	Mini	OTM-BETA
		Regular	OTR-BETA
MegaGen	AnyRidge	-	MRD-BETA
Neodent	GM	-	NDG-BETA
Nobel Biocare	Nobel Active	NP	NAN-BETA
		RP	NAR-BETA
	Nobel Replace	NP	NRN-BETA
		RP	NRR-BETA
		WP	NRW-BETA
		6.0	NR6-BETA
Straumann	BLX	RB	SXR-BETA
		WB	SXW-BETA
	Bone Level	NC	SBN-BETA
		RC	SBR-BETA
URIS	OMNI	Narrow	UON-BETA
		Regular	UOR-BETA
Zimmer Biomet	3i Certain	3.4	BC34-BETA
		4.1	BC41-BETA
		5.0	BC50-BETA
	TSV	3.5	ZV3-BETA
		4.5	ZV4-BETA
		5.7	ZV5-BETA

Instructions for use

LABELING SYMBOLS

Symbols may be used on some international package labeling for easy identification.

Symbol	Meaning
	Do not reuse
	Use by date
LOT	Batch code
	Date of manufacture
	Non-Sterile
REF	Catalogue number
	Caution, consult accompanying documents
	Manufacturer
	Consult instructions for use
	Do not use if package is damaged
Rx Only	Prescription only

Device Description

TruBase consists of a two-piece abutment, where the titanium base is a pre-manufactured abutment that will be used to support a CAD/CAM designed superstructure (the second part of the two-piece abutment) that composes the final abutment.

TruBase abutments are made of titanium alloy conforming to ASTM F136 Standard Specification for Wrought Titanium-6Aluminum-4Vanadium ELI (Extra Low Interstitial) Alloy for Surgical Implant Applications and are provided in a various prosthetic platform diameters.
They also feature:
• Cylindrical shape
• Hexagonal indexing at the apical end of the connection
• Indexing guide in the cementable portion for coping fitting
TruBase is provided non-sterile therefore must be sterilized after the cementation of the customized superstructure on the TruBase.

Design Limitation for Zirconia superstructure

Design Parameter	Design Limit
Minimum and Maximum Abutment Angle	0~15°
Minimum and Maximum Cuff Height	0.5~5 mm
Minimum and Maximum diameter at Abutment/Implant Interface	∅5.0mm~∅8.0mm
Minimum Thickness	0.4 mm
Minimum and Maximum Length of Abutment Post (Length Above the Abutment Collar/Gingival Height)	4 ~6 mm

Indication for Use

TruBase

TruBase is a titanium component that is directly connected to endosseous dental implants to provide support for custom prosthetic restorations, such as copings or crowns. It is indicated for screw-retained single tooth or cement-retained single tooth and bridge restorations.

Cautions before use

1) Abutment is a prosthetic component directly connected to the endosseous dental implant and is intended for use as an aid in prosthetic rehabilitation.
2) Before using the product clinically, dentists must fully familiarize themselves with the product and obtain full informed consent from the patient by reviewing both advantages and limitations of implants. For their part, patients must clearly understand the function and aesthetical limitations of implants.
3) We are under no obligation to replace our products or give a refund in case any defect or problems arise from the use of non-TruAbutment components (i.e. using our abutments with different screws).
4) Since the design of abutments is an important factor affecting the service life of the dental prosthesis, it is imperative that the design of the abutment has been reviewed prior to submission for milling.
5) Before selecting an abutment for a patient, their oral condition must be checked. A restorative plan is to be established based on thorough analysis.
6) Once the product has been used on a patient, all efforts should be made to prevent the patient from aspirating or ingesting the product.

Handling Procedure

Clinical Procedure

1) Take a conventional open or closed tray impression, following the implant manufacturers' and the impression material manufacturers' guidelines.
2) Send the physical impression with the completed order form to TruAbutment.

Laboratory Procedure

1) Conventional model fabrication from an impression: Assemble the impression coping and implant replica and carefully re-position it into the impression. Fabricate a working model with removable gingival material.
2) Send the working model with the completed order form to TruAbutment.
3) Alternatively, the laboratory can choose to scan the models, design the abutment, and submit the STL to TruAbutment for manufacturing.

Cautions when using the product

1) When affixing an abutment onto a fixture, the recommended torque value is equivalent to the original manufacturers' value for the respective implant system. The torque value should be determined based on the clinical assessment of the bone quality, fixture dimensions, and prosthesis type, etc.
2) The product must be used by an appropriately trained professional. Damaged tools should not be used. Arbitrarily changing or modifying the product is not recommended and will void the warranty of the abutments.
3) Prior to fabrication and delivery of prosthesis, confirm osseointegration of the implants by utilizing X-ray imaging and percussion testing.
4) Temporary prosthesis should be carefully adjusted for the condition of the patient's oral cavity, especially until the implants prove to be osseo-integrated.
5) No cement should be applied to the Morse taper area between fixtures and abutments.

Risks and Side Effects

Below is a list of conditions that bear higher risks of implant surgeries but specialists should examine the patient case by case and plan accordingly.
1) Metabolic disorders such as diabetes and etc.
2) Endocrine disorders such as hypothyroidism, hyperthyroidism, adrenal gland disorders, and etc.
3) Circulatory disorders such as angina pectoris, myocardial infarction, congestive heart failure, chronic valvular heart disease, high and low blood pressure, and etc.
4) Respiratory disorders such as asthma and etc.
5) Kidney and blood-related disorders.
6) Bone disorders such as osteoporosis, osteomalacia, Behcet's disease, and etc.
7) Collagen disease.

Contraindications

1) Severe intraoral infections.
2) Impacted tooth, cysts, tumors, etc.
3) Unclear medical history.
4) Lack of alveolar bone.
5) Poor health of alveolar bone (i.e. osteoporosis, osteomalacia, and Behcet's disease).
6) Not enough space of alveolus membrane.
7) Unhealthy adjacent tooth.
8) Do not use these components if the patient has a known hypersensitivity to titanium, titanium alloy.

Proper storage and care

After sterilization, place the devices in a dry dark place such as a closed cupboard or drawer.

Follow the instructions of the manufacturer of the FDA-cleared pouches regarding storage conditions and expiration date of sterilized goods.

End-user Sterilization Information

TruBase is for one-time use only and provided non-sterile therefore must be sterilized prior to use.
All TruBase components are cleaned using multiple sessions of ultrasonic baths to remove contaminants from the milling process.

1. First session
Immerse finished products into trichloroethylene at 30° C (86° F), running the process for 15 minutes.

2. Second session
Immerse products into ethanol at 30° C (86° F), running the process for 15 minutes.

3. Third session
Immerse products into distilled water at 30° C (86° F), running the process for 15 minutes.

4. Place cleaned products into a dryer then run at 120° C (248°F) for 10 minutes using hot air.

Rinsing:
Whether mechanical or manual cleaning has been performed, the device should be thoroughly rinsed to ensure that loosened debris and detergents are adequately removed. Tap water can be used for rinsing to ensure that copious volumes are used but since the quality of tap water varies considerably by region, the final rinse should be performed with treated water that is of a quality that does not contribute to staining or contamination.

Recommended validated sterilization parameters for wrapped devices:

Method	Moist heat sterilization
Cycle	Pre-vacuum
Temperature	270ºF (132ºC)
Exposure time	4 minutes
Drying time	20 minutes in chamber

(Source: ANSI/AAMI ST79 Table 5)

Wraps made by Kimberly-Clark Corp is used during sterilization.
All autoclaves/sterilizers should comply with the requirements of, and be validated, maintained and checked in accordance with EN 285/EN 13060, EN ISO 17665, ANSI AAMI ST79.

According to EN ISO 17665, the final responsibility for validation of cleaning, disinfection and sterilization techniques and equipment lies directly with the end user. To ensure optimal processing, all cycles and methods should be validated.

Storage:
Follow the instructions of the manufacturer of the FDA-cleared pouches regarding storage conditions and expiration date of sterilized goods.

Warnings

The TruBase has not been evaluated for safety and compatibility in the MR environment. It has not been tested for heating, migration, or image artifact in the MR environment. The safety of TruBase in the MR environment is unknown. Scanning a patient who has this device may result in patient injury.
Federal law restricts the sale of this device to or on the order of licensed dentists.

The TruBase is a device that can only be sold, distributed, or used upon the order of an authorized healthcare provider, generally referred to as prescription (Rx) devices.

truabutment.com