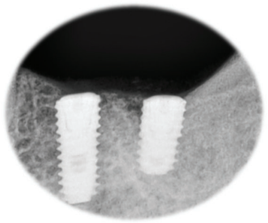
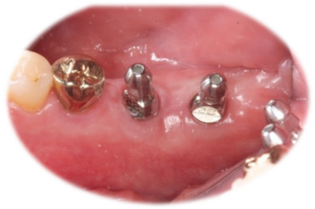
SmartFit
CAD/CAM Abutment

5. Process overview

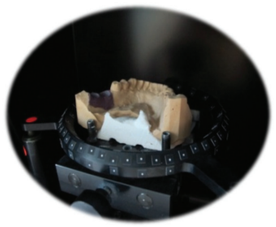


Fixture implantation

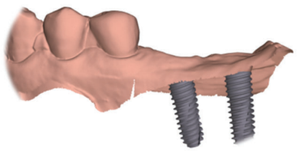


Fixture level impression

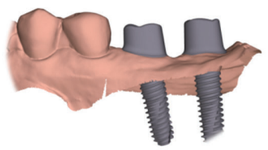
Working model



3D Scanning of the working model



3D Scanned image



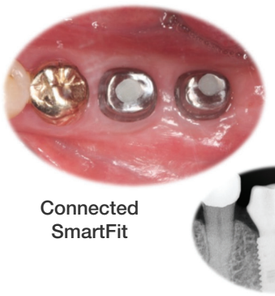
SmartFit design

Fabricated SmartFit

Transfer jig

Final restoration

SmartFit setting With transfer jig



Connected SmartFit

Final restoration cementation

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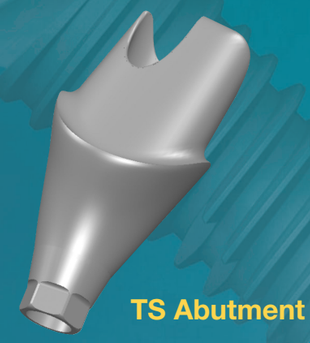

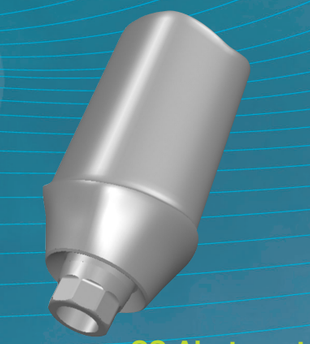

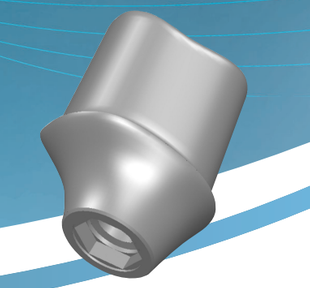

SmartFit
CAD/CAM Abutment

SmartFit
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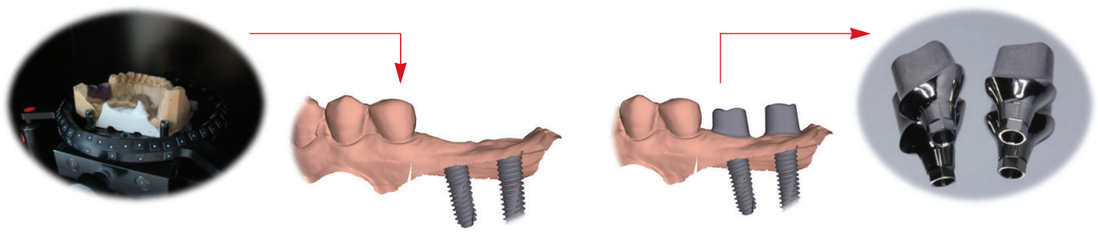
1. Introduction

SmartFit is a computer aided designed and manufactured abutment uniquely made for the patient.



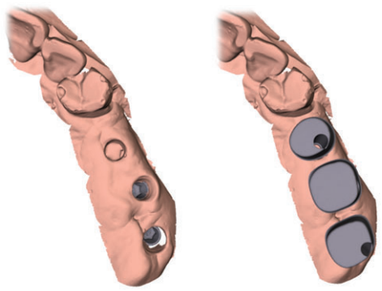
Scanning　　Design　　Milling

2. Indication

SmartFit restored by cement retained method and is ideal choice for many different clinical situations.

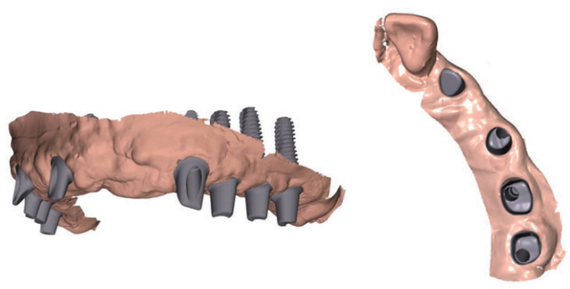
* Can be angulated up to 30 .

1) Implant placed in difficult position and anglulation for restoration.



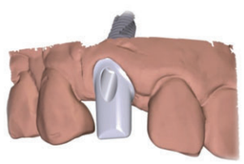
Position & angle error

2) Multi-unit case which demands stable support and uniform path.

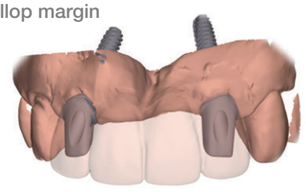


One unit full mouth case　　Unilateral multiple case

3) Precision demanding anterior cases

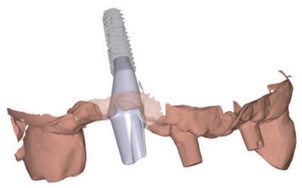


13 scallop margin



12-22 anterior 4 unit

4) Cases difficult for ready-made abutments



Deep gingiva

Short clearance

SmartFit
CAD/CAM Abutment

3. Advantage

1) Advantages compared to ready-made abutments.

- Aesthetic restoration is possible even if in difficult angulation and position.
- Uniform abutment path achievable.
- Reduces usage of precious metals and provides optimal support for prosthetics.
- Aesthetically custom designed soft tissue margin and easy to remove excess cement.
- Prevents final crowns from rotating or being out of position.
- Uniquely manufactured for a patient.

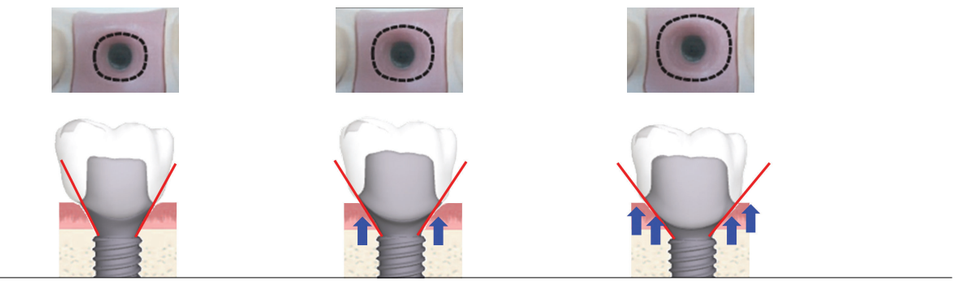
2) Reasons why SmartFit is superb:

- Connects to Osstem / HiOssen implants with optimal precision.
- Uses Osstem / HiOssen certified abutment screw.
- Provides 3D design confirmation prior to milling.
- Ability to provide precision milling on occlusal plane.
- Because of prescription is recorded, identically re-manufacturing the abutment is possible without impressions.

4. SmartFit design guide

Choosing the emergence profile

Three different emergence profiles are available with consideration to the treatment plan.
Note: with larger emergence width, crown looks more natural. However, it may cause blanching and difficulties in engaging SmartFit if initial emergence width is small.



Type 1.
Following the soft tissue contour

Type 2.
Slight modification.
Blanching may occur

Type 3.
Ideal emergence profile.
Re-contouring

TIP

If larger emergence profile is chosen, engaging larger healing abutment will be beneficial during restoration.