

Denture 4U Kit

- Accurate Surgery with Precision Guide Positioning
- Safe Surgery without Nerve Damage



HROSSEN
IMPLANT

- ## Stable Retention and Biting Strength Can be Secured Despite Severe Resorption of the Alveolar Bone

- ## Semi-permanent Solution with Fixed Full-Denture

- ## Efficient Stress Distribution Achieved with Appropriate Angulation of the Fixtures

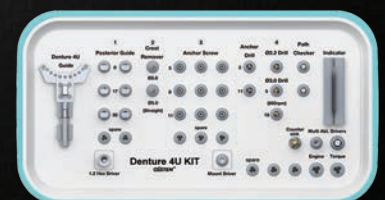
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- A diagram showing a dental arch with a cantilever bridge supported by two implants. The bridge is labeled "Cantilever Deflection".

Reduce Cantilever Deflection

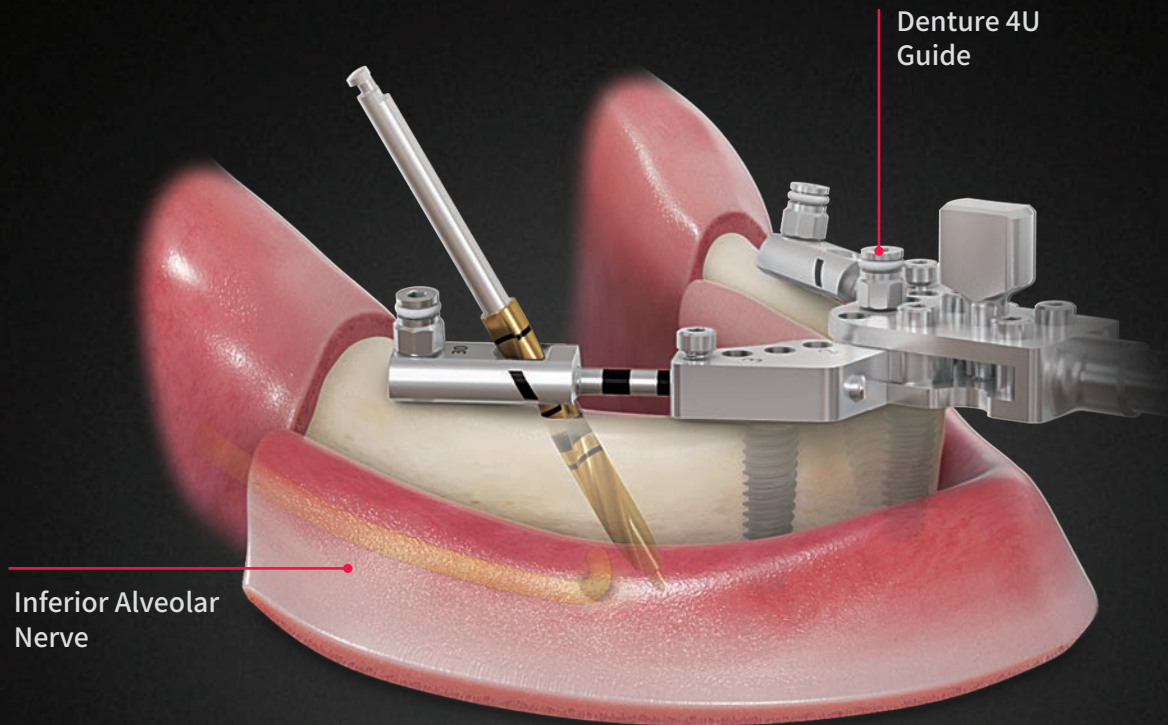
Denture 4U KIT

This diagram illustrates a mandible with three dental implants. The upper arch shows a maxillary prosthesis with labels for 'Cylinder Screw', 'Prosthesis made with Cylinders & Multi Ti-Base', and 'Multi Abutment'. The lower arch shows the 'Fixture' (implant body) and 'Multi Angled Abutment' attached to the implants. A label 'Abutment Screw' points to the screw connecting the abutment to the fixture.

Denture 4U KIT



Accurate and Safe Denture 4U Surgery with Denture 4U KIT



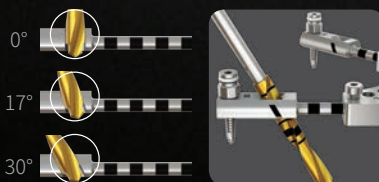
Accurate Surgery with Precision Guide Positioning

Implants can be placed in the desired position without damaging the alveolar nerve as a result of the KIT that allows adjustment of the implantation angle, Buccal/Lingual angulation and distance between the fixtures.

1

Adjustment of Implantation angle

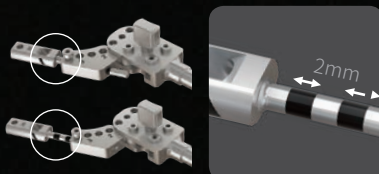
It's possible to readjust the Posterior Guide, but taking a CT before the procedure is recommended in order to select a better option in advance



2

Adjustment of the Distance between Implants

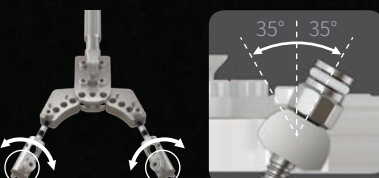
Consider of planting distance - posterior guide (Laser Marking: 2mm units)



3

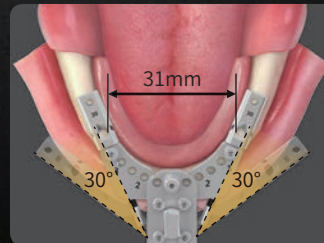
Adjustment of the Buccal/ Lingual Angulation

Buccal / Lingual Angulation is possible up to $\pm 35^\circ$.



Can be used in various Clinical Cases

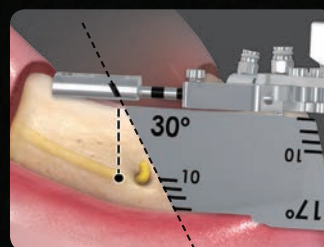
- The guide can be freely adjusted, allowing stable positioning and surgery guidance even in cases with asymmetric dental arches and irregularly shaped arches.



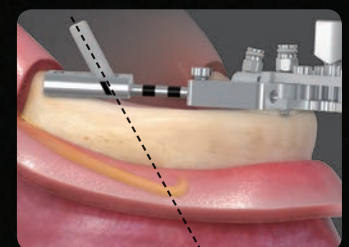
■ : Range for Drilling

Safe Surgery without Nerve Damage

- Safe surgery is possible by checking the location of the inferior alveolar nerve with indicator and path checker.



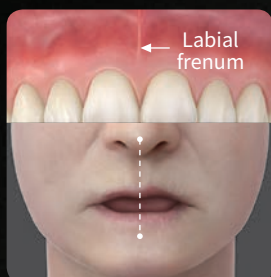
Surgery with full flap



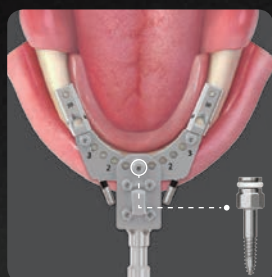
Surgery with general flap

Surgical Sequence

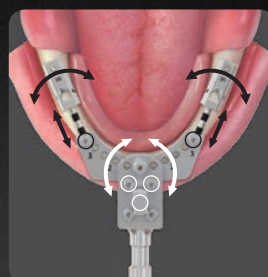
※ It's up to the clinician's decision whether to begin with the anterior or posterior region.



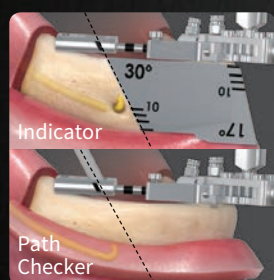
Check median line by referring to labial frenum or facial and dental midline



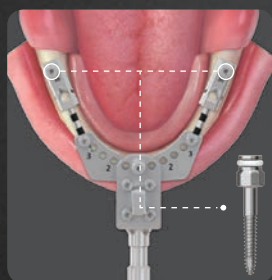
1-point fixation
In anterior region



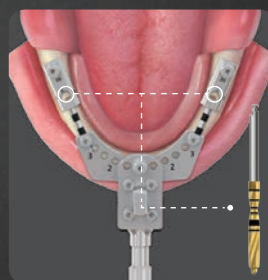
Adjust the guide for
anterior/posterior arch
(Implant distance, B/L angulation)



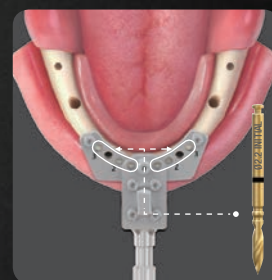
Check location of
Mental foramen



2-point fixation
in posterior region

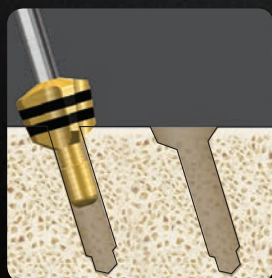


Drilling (Ø3.0)
in posterior region

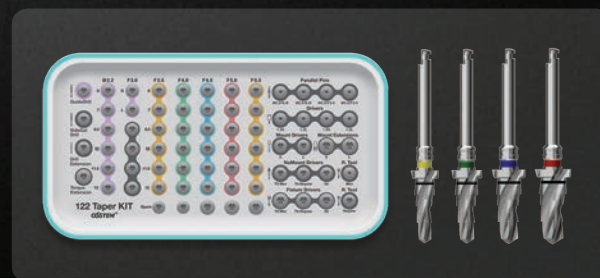


Drilling (Ø2.2) In anterior region
※ Drilling after re-adjustment
of the arch may be performed
if necessary

※ Refer to a brochure for details of technique, prosthetics manual and Denture 4U KIT.



Countersink drilling in order
to prevent interference from drill
stoppers and dental prosthesis

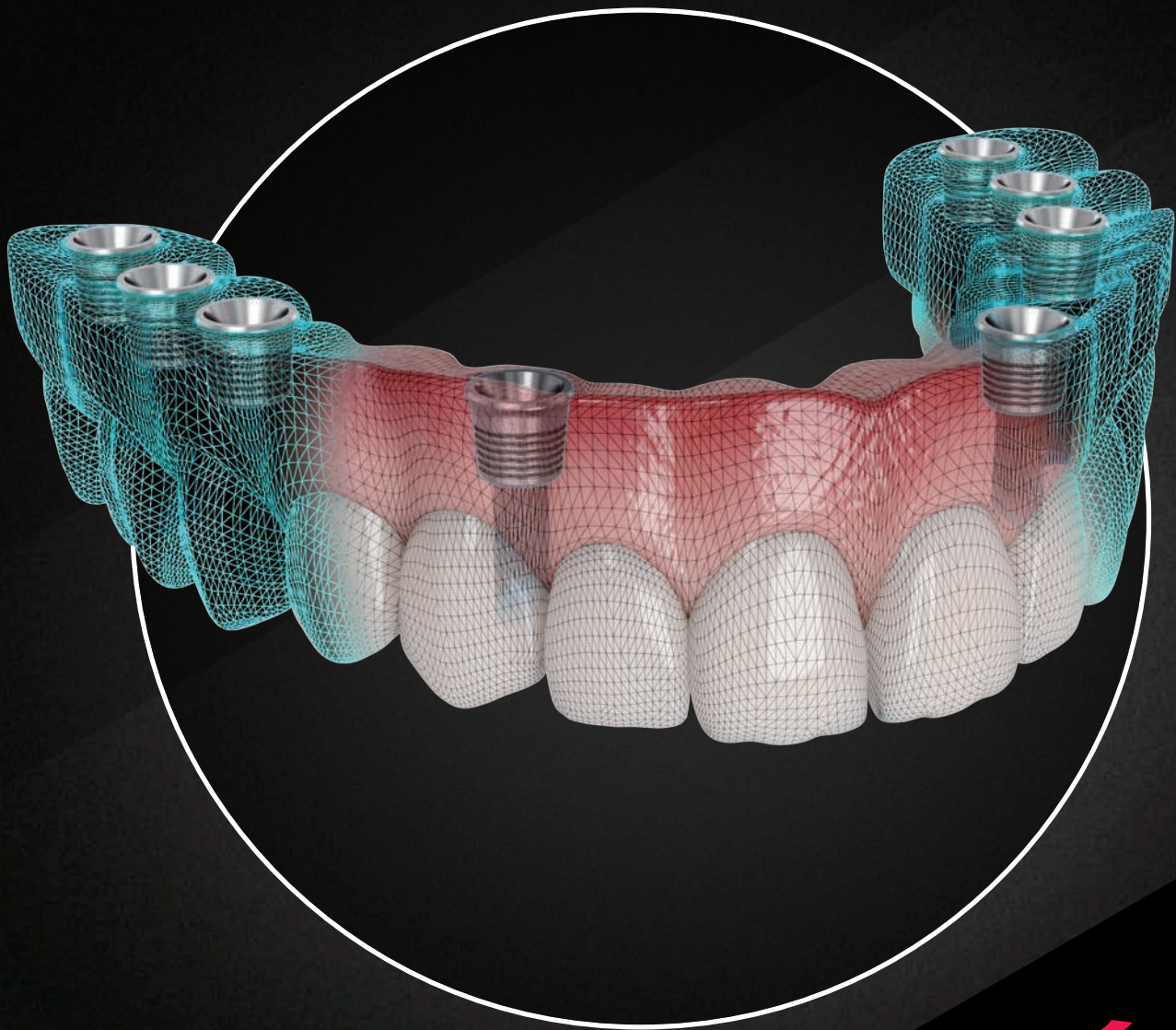


Perform drilling with Taper KIT or 122 Taper KIT
to enlarge and finalize drill hole

Convenient screw-retained
digital implant prosthesis solution

Multi Ti Base

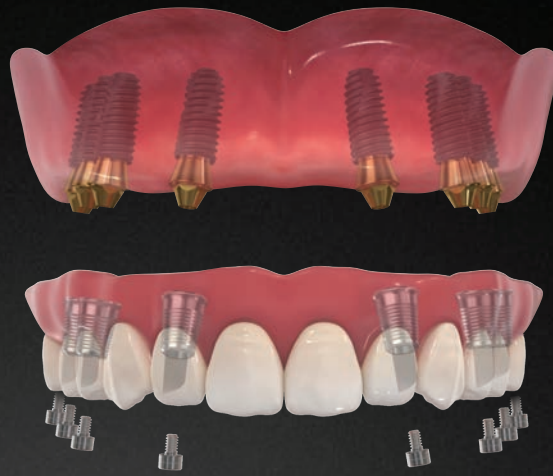
- Perfect passive fit in a totally edentulous case
- Powder free metal ScanBody
- Convenient digital workflows with official libraries



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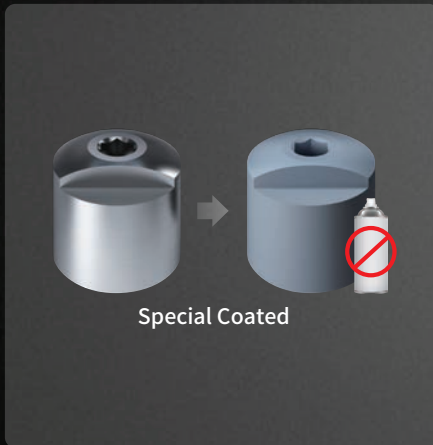
Perfect passive fit in a totally edentulous case

- Used with Multi and Multi angled abutment to tighten prosthesis and implant at the Tissue level
- Precision prosthesis produced through digital 3D printing, milling



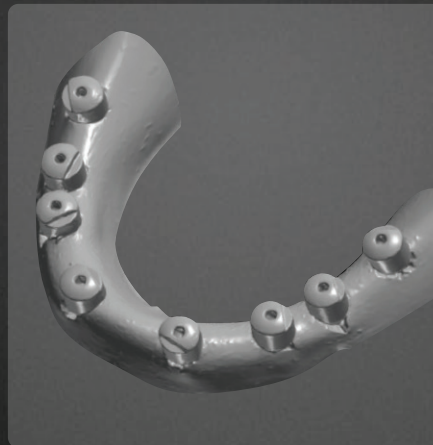
Powder free metal ScanBody

- Special coating allows for powderless scanning
- One-body structure allows for convenient fastening

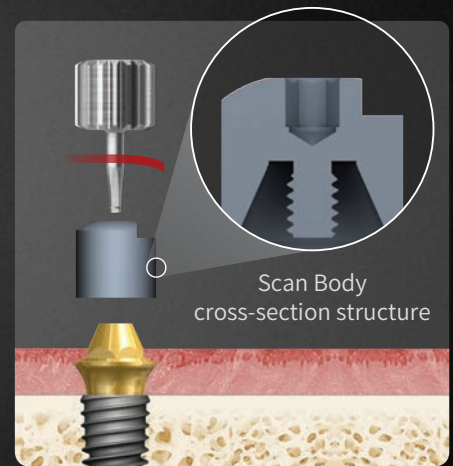


Special Coated

Special coating on Scan Body does not allow light to reflect



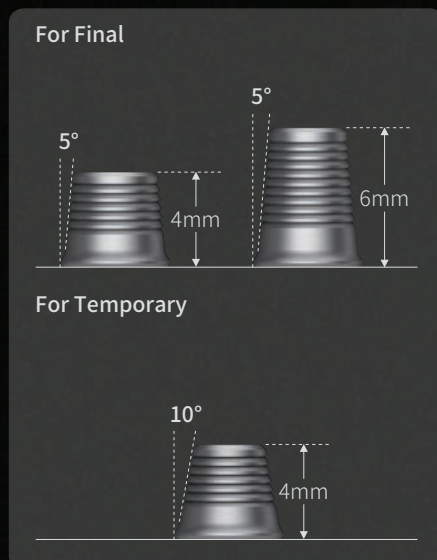
Fast scan even for edentulous cases



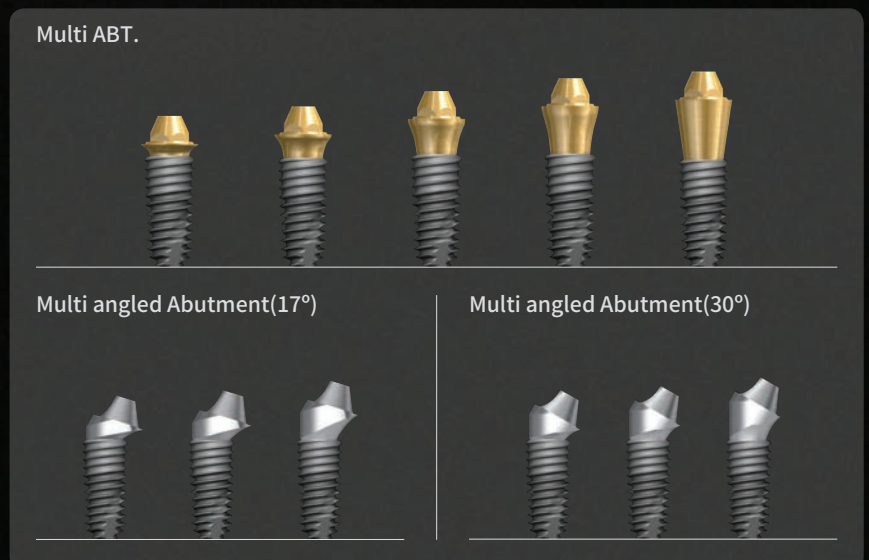
Easily attached

Used in various clinical cases

- Compatible with all specifications of Multi Abutments (G/H 1/2/3/4/5) Multi Angled Abutments (17°/30°)
- Select from 5° and 4/6mm height Multi Ti-bases according to VD of the rounded material
- Add another bullet-point: 10° Multi Ti-Base used for temporary prosthesis



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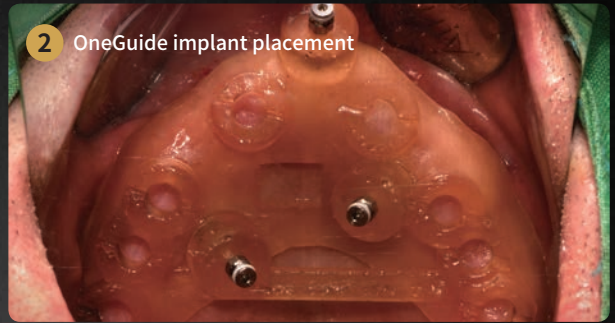
Convenient digital workflows with official libraries

- Hiossen official Multi Scan Body and Multi Ti-Base digital library provided for 3Shape and ExoCAD
- New Implant prosthesis treatment optimized for edentulous cases for digital dentistry

1 Plan for Guided Surgery



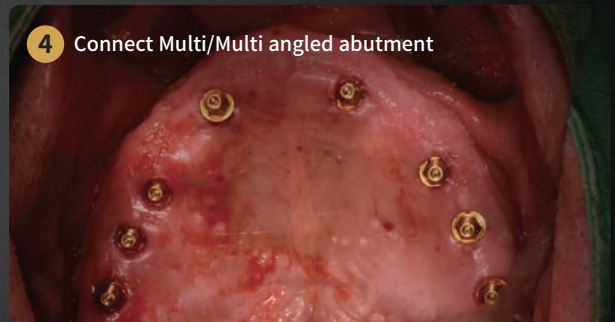
2 OneGuide implant placement



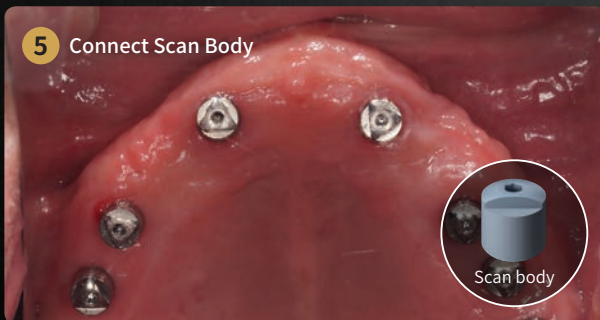
3 Prepare Multi/Multi Angled Abutments



4 Connect Multi/Multi angled abutment



5 Connect Scan Body



6 Scan the oral cavity

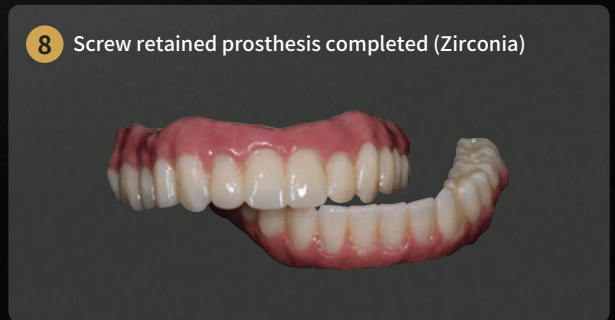


7 Design screw-retained prosthesis

※ Select Multi Ti-Base digital library with appropriate length



8 Screw retained prosthesis completed (Zirconia)



9 Place final prosthesis




※ Clinical data : Provided by Dr. Jae-min Lee of
MIRAERO Dental Clinic (Korea)





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