

All-on
Implant solutions



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New scan strategy for All-On-X with CAPS

CAPS
SYSTEM

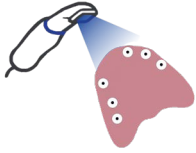


RAYFace

A new level of efficiency, precision and comfort to the treatment process, providing patients and dental professionals with a life-changing experience.

ALL-ON-X

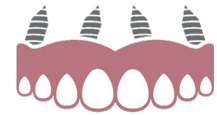
Appointments



1ST VISIT
DIGITAL PRINT



2ND VISIT
TRY-IN



3RD VISIT
PLACING FINAL BRIDGE

THE DIGITAL SCANNING PROCESS

The example below shows the various scanning steps taken at the first appointment:

1 BASIC SCANS

- Maxillary
 - In the case of existing prosthesis: 360° scan (extraoral) of the prosthesis with impression material.
 - In the case of screwable temporary bridge; intraoral scan of bridge in situ*.
- Lower jaw (antagonist)
- Bite registration

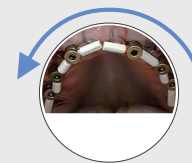
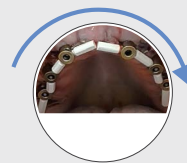


2 EDENTULOUS UPPER JAW

Scan the edentulous jaw to gain tissue information. Make sure that the Multi-Units are recorded.



3 PLACE THE CAPS SYSTEM AND MAKE AN INTRA-ORAL SCAN



ALL-ON-X PRODUCT PORTFOLIO:

2 Unique Solutions

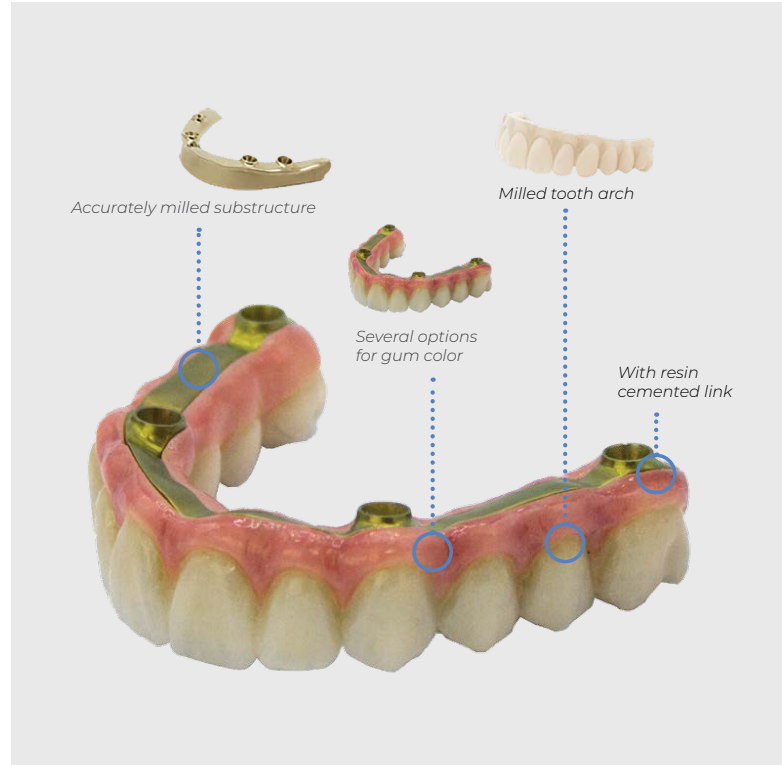
1. ALL-ON-X FIXED

At Multi-Unit level only

One universal substructure, digitally designed with several restorative solutions. The All-On-X Fixed combines aesthetic materials with high-precision milled titanium, specially designed for easy interchangeability.

The All-On-X Fixed design is composed of a substructure with measured dimensions. This leaves room for individualization of the teeth and provides more volume and strength to the dental arch overlay. At the same time, it does maintain the rigidity of a precisely milled titanium framework. The internal titanium substructure makes it possible to place implant restorations regardless of angle and subgingival depth without the need for short Ti bases or personalized abutments. This substructure also allows for a very smooth and homogeneous pontic and intaglio discharge.

Possible overlay material for dental arch: Zirconia, acrylic, composite. All multi-layered.

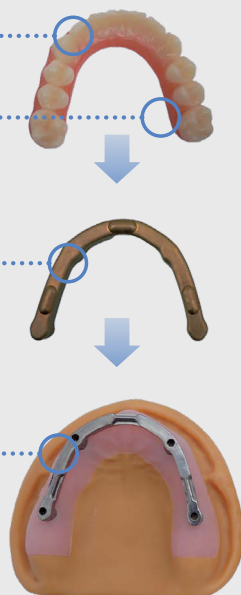


Milled teeth overlay

Several options for pink tissue

Precision milled Suprastructure

Precision milled bar



2. ALL-ON-X REMOVABLE ON STEG

At Multi-Unit level only

The All-On-X Removable, bar-manufactured solution offers a new combination between a precision-milled prosthesis and the advanced All-On-X aesthetic overlays. This combination is more durable than conventional overdentures, thanks to a significant increase in strength and wear resistance.

This removable bridge feels like a fixed solution, but is easier to clean, improving oral hygiene.

Possible overlay material for dental arch: Zirconia, acrylic, composite. All multi-layered.

Workflow

AT THE DENTIST

IN THE LABORATORY

1st VISIT

Scan process

- Follow the instructions for the digital scanning process in conjunction with CAPS.
- Send the IOS data through your IOS platform.
- Please email the order form as a pdf file.



- Analyze data and create a digital file for the try-in.
- Producing the try-in



2nd VISIT

VISIT

- Intraoral monitoring and approval of the try-in



- Design & production of the final All-On-X bridge.

3rd VISIT

VISIT

- Installing the All-On-X solution.





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New scan strategy for All-On-X with CAPS

Dentist: **Dr. Philippe Nuytens**

ALL-ON-X WITH CAPS CLINICAL CASE

Case by Philippe Nuytens

STEP 1: IMPLANT SURGERY

- 6 BONE LEVEL IMPLANTS
- GUIDED DAS SURGICAL KIT
- IMPORTANT: Place implants perpendicular to antagonist arch



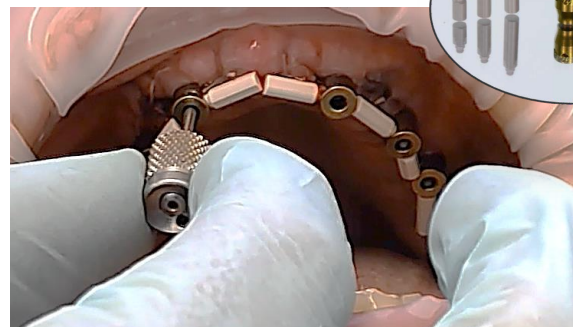
STEP 2: DAS MULTI UNIT INSTALLATION + HEALING CAPS

- Use regular healing caps in anterior area.
- Use wide healing caps in posterior area.

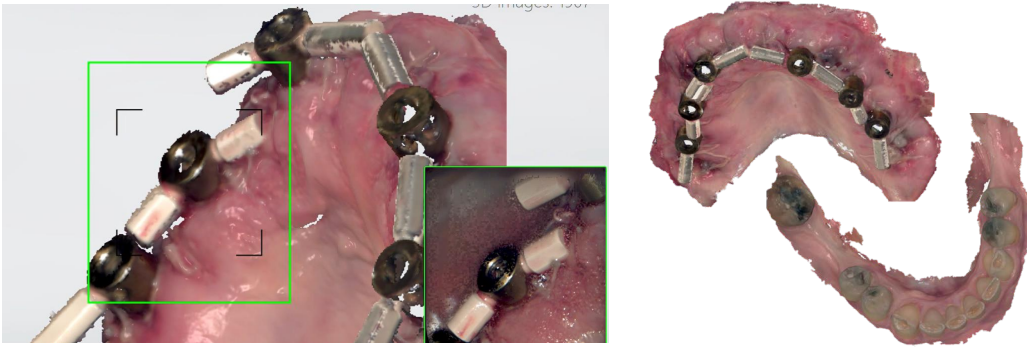


STEP 3: REMOVE HEALING CAPS + INSTALL REFERENCE SCANBODY + PEEK PINS

- FIRST: Mount PEEK PINS to REFERENCE SCANBODY extraorally.
- PEEK PINS: 3 Different Lengths: 6 9 13 mm
- INSTALL ASSEMBLED PARTS TO DAS MU UNIT ABUTMENTS
- MAKE A CHAIN CONNECTION.



STEP 4: OBTAIN A MAXILLARY IOS SCAN AND AN ANTAGONIST SCAN



STEP 5: CAPS PILLARS WORKFLOW



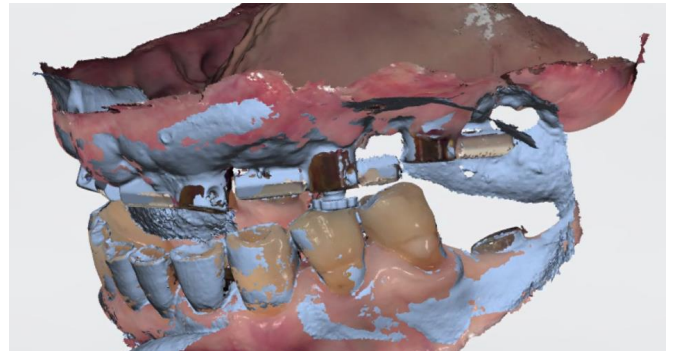
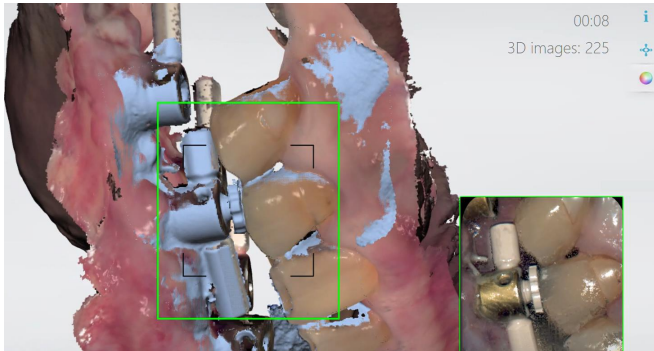
- 3 Different Heights: 3.8 6 8 mm.
- Mount at least 1 CAPS pillar on EACH SIDE.
- By screwing the CAPS pillar in or out the screw access channel of the REFERENCE SCANBODY, the patient's vertical dimension of occlusion is adjusted.
- Ask the patient to repeat the closure path several times before obtaining virtual occlusal records.

With use of the bilateral manipulation technique, the patient's mandible is guided into centric relation.

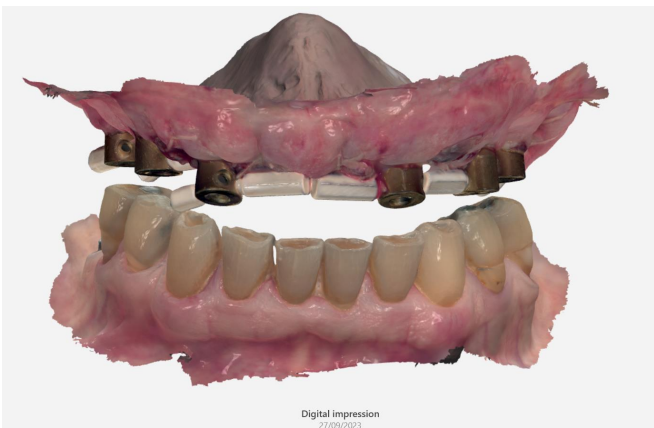


- **Note:** in order to improve the stability of virtual occlusal records registration, more CAPS pillars could be mounted to multiple REFERENCE SCANBODIES in the edentulous arch. But, it is unnecessary to mount CAPS pillars to each REFERENCE SCANBODY.

STEP 6: OBTAIN VIRTUAL OCCLUSAL RECORDS USING IOS



- Virtual occlusal records are obtained using an IOS while the patient's mandible is guided into centric relation at the established vertical dimension of occlusion.



ON DOCTERS REQUEST:

STEP 7: PERFORM SHEFFIELD ONE SCREW TEST WITH U SHAPE D MILLED VERIFICATION JIG

- Recommended to make an U shaped verification jig in radiopaque PMMA in order to radiographically check the passive fit (Technique by Philippe Nuytens)
- Use a guide pin (same connection as the multi- unit abutment screw)



STEP 8: TRY-IN BRIDGE

- Further, you can choose for a temporary bridge or try-in for visual and functional inspection of the bite and esthetics.

MORE INFO ON THE CAPS SYSTEM:

Read Dr. Philippe Nuytens article for more in-depth knowledge about the complete-arch pillar system (CAPS)



