Procedure Manual
from scan, to plan, to guide
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Introduction

SimPlant®: A fully integrated dental implant treatment planning tool

SimPlant offers you a comprehensive 3D system for accurate and predictable implant treatment - from scanning and planning, to drilling and implant placement, to the ultimate Immediate Smile.

From scan
- Continue working with your preferred implant brands and CT and cone beam 3D scanning equipment – SimPlant is compatible with them all.
- Use our scan guidelines to optimize the quality of your images – guaranteed by an ongoing collaboration with the CT and cone beam 3D vendors.
- Connect to DentalPlanit from within SimPlant to collaborate online with various local imaging centers and other service providers to quick start your case planning. At just the click of a button, you’ll have your patient images delivered 24/7 and straight onto your computer.

To plan
- Assess your patient’s anatomy and see exactly how it relates to your proposed restoration.
- Easily identify vital structures, simulate grafts, place realistic implants and abutments, analyze bone density and so much more.
- Use your data to create multiple treatment plans and present them to colleagues, your lab and even your patients to show them what your plan really entails.
SurgiGuide®: Your link between planning and surgery
A customized SurgiGuide provides for highly accurate drilling and implant placement, fits perfectly and ensures safe and predictable implant surgery.

- Minimally invasive techniques reduce post-operative pain, swelling and healing time
- Prosthetic driven surgery results in a naturally looking esthetic outcome
- No more unpleasant surprises during or after surgery, avoiding stress for you and your patient
- Reduced surgery time and unforeseen complications
- Precise planning and implant placement avoids unexpected additional costs (e.g. extra implants, special abutments, etc)

SurgiGuide® types of support
During surgery, the SurgiGuide is placed on the patient's jawbone (bone-supported SurgiGuide), soft tissue (mucosa-supported SurgiGuide) or teeth (tooth-supported SurgiGuide).

SurgiGuide® solutions
Your surgical preference or specific clinical case determines your SurgiGuide solution. You can opt for guided drilling and guided implant placement (SAFE SurgiGuide), only guided drilling (Universal SurgiGuide) or guided initial drilling (Pilot SurgiGuide).

To guide
- Choose a SurgiGuide according to your preferred surgical procedure.
- Preview and order your patient's personal SurgiGuide online, directly from your SimPlant.
- Have your lab deliver the restoration before implant placement.
Step by step procedure

Step 1 – Diagnosis and treatment planning

Clinical examination
Your diagnosis and initial treatment plan will influence all steps that lead to successful implant treatment. Based on a clinical examination, you will determine what kind of implant treatment your patient needs:

- What are my patient's needs?
- Is a fixed or removable prosthesis required?
- How many implants does my patient require?
- Does my patient want an immediate restoration?
- Which type of SurgiGuide should I use during surgery?
- Do I desire a tooth set-up visualization?
- Do I need a scan prosthesis?
- Is flapless surgery required?

Choosing a tailored SurgiGuide®
SimPlant allows you to plan your surgery in advance, taking into account clinical and esthetic considerations, but 3D implant treatment planning equally requires the use of a SurgiGuide during actual surgery – how else would you place your patient's implants in exactly the same way as you had planned them in 3D?

Additionally, the SurgiGuide types of support and solutions you will use may influence your treatment planning.

SurgiGuide® types of support

Tooth-supported SurgiGuide®
- Single tooth and partially edentulous cases
- Plaster cast¹ required
- Virtual extraction² possible
- Scan prosthesis³ recommended when >3 teeth missing

1 Plaster cast
Teeth, tooth fillings and brackets are deformed in CT and cone beam 3D images. A stable tooth-supported SurgiGuide thus cannot be built based on these images alone. Materialise Dental, a SimPlant Master Dental Imaging Center or possibly your lab will produce a high resolution optical scan of a recent plaster cast, to be merged with your SimPlant file.
**2 Virtual extraction**

Materialise Dental makes it possible to design and produce a SurgiGuide prior to tooth extraction. This allows you to immediately and accurately place an implant into an extraction socket. Make sure you remove any teeth that will be extracted during surgery from the plaster cast before sending it in.

**3 Scan prosthesis**

A scan prosthesis visualizes the desired tooth set-up in the CT and cone beam 3D images. These images help you determine how to place your patient’s implants from a clinical as well as an esthetical point of view. For a mucosa-supported SurgiGuide, the scan prosthesis makes it possible to fabricate the SurgiGuide.

**Special SurgiGuide® types**

**Guides for zygomatic implants**

Zygomatic implants require good positioning and small angle deviation. If you need more control when placing zygomatic implants, opt for custom-designed bone or mucosa-supported SurgiGuide drill guides.

**Bone reduction guides**

To be entirely sure that you don’t take too much or too little bone away, your ridge reduction can be guided. A tailored bone reduction guide takes into account implant position and surrounding bone mass. It eliminates mistakes when removing sharp bone edges and ensures you remove only as much bone as required.

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**Mucosa-supported SurgiGuide®**

- Positioned on the soft tissue
- Fully edentulous cases when minimally invasive surgery is preferred
- Scan prosthesis required as the CT or cone beam 3D images provide insufficient information about the soft tissue

**Bone-supported SurgiGuide®**

- Positioned on the jawbone after raising mucoperiosteal flaps
- Suitable for partially or fully edentulous cases when increased visibility is needed or to allow augmentation and reduction procedures
- Sufficient bone surface support – at least 3cm – is essential for secure, effective guide positioning.
- Scan prosthesis recommended
SAFE SurgiGuide® solutions SAFE SurgiGuide®

Drill and implant guidance with depth control
Brand specific surgical kits
Immediate Smile®

First choice for most implant cases
Recommended for esthetic cases or in the event of anatomical restrictions

Universal
Drill guidance (full sequence)
Compatible with all implant systems

When no SAFE system is available

Pilot
Pilot drill guidance

When full guidance is not required

SAFE SurgiGuide®
3D guidance
Tubes within the SurgiGuide ensure control over position and angulation of the drills and implants, as defined in your SimPlant plan. The SAFE SurgiGuide solution also provides for a physical stop, ensuring you will never drill too deep. Depth control makes your surgery even safer and more accurate.

A brand specific guided surgery kit needed
A SAFE SurgiGuide is uniquely designed to be compatible with the brand specific guided surgery kit of your choice. Partnerships with all leading implant manufacturers allow for automatic integration in SimPlant.
One guide

The implant sites are gradually widened to reduce the risk of bone necrosis due to excessive heat caused by drilling. Insert different brand specific drill keys to achieve optimal accuracy when drilling. This enables you to use only one guide.

Guided drilling and guided implant placement

Implant holders are attached to the implants allowing the implants to be placed through the guide, increasing accuracy and predictability of the implant position.

Immediate Smile® possible

Because of 3D guidance and the possibility to order a digital cast, your lab can fabricate a temporary restoration prior to surgery. Order the digital cast of your 3D planning together with your SurgiGuide.
Universal SurgiGuide®

Fixed implant position and angulation
Tubes within the SurgiGuide ensure control over position and angulation of the drills, as defined by your SimPlant plan. There is no physical stop. Drill depth information is delivered together with your SurgiGuide, allowing for visual depth control.

Universal Drill Key system
Any standard implant surgery kit can be used. You only need to compose a Universal SurgiGuide Drill Key set, based upon your personal preferred drill sequence. The Universal SurgiGuide Handle allows you to reach any angle and any position in the patient’s mouth.
One guide
The implant sites are gradually widened to reduce the risk of bone necrosis due to excessive heat caused by drilling. Insert different Universal SurgiGuide Drill Keys to allow for a flexible drill sequence. This enables you to use only one guide.

Guided drilling
During surgery, only the drills are guided. When the drilling sequence is completed, remove the SurgiGuide and place the implants.

Pilot SurgiGuide®

Fixed implant position and angulation
Tubes within the SurgiGuide ensure control over position and angulation of the pilot drill, as defined by your SimPlant plan. There is no physical stop. A surgical protocol including drill depth information is delivered together with your SurgiGuide, allowing for visual depth control.

No kit needed
Any standard surgery kit can be used.

Guided pilot drilling
During surgery, only the first drill is guided. A broad range of pilot drill diameters is available. Remove the SurgiGuide, complete the drilling sequence and place the implants.
Step 2 – Preparing the scan

Do I need to have a scan prosthesis fabricated?
Depending on the clinical situation you will have to decide whether a scan prosthesis is necessary or not.

Single or small partially edentulous cases
(1-3 teeth missing)
A scan prosthesis is not required as neighboring teeth already provide sufficient information.
You can use the Virtual Teeth tool in SimPlant. Easily design the ideal tooth set-up yourself by translating, rotating and shaping the Virtual Teeth.

A. Bite index
A radiolucent silicone bite index separates the upper from the lower jaw. Applying this procedure will make it easier for you to create a 3D image later on in SimPlant. A bite index also ensures that the prosthesis remains well-positioned and the jaws stabilized at the time of scanning. The height of the index is defined by the vertical overbite. Make sure to create an open bite with no overlap in the horizontal plane (original scan images).

B. A bite index1 is recommended at all times, even when your patient is being scanned without a scan prosthesis. In this case however, a spacer (e.g. cotton rolls, tissues, wax) may be sufficient.
Note: the spacer separates the lower and upper teeth but offers no guarantee for a proper jaw relation during the scanning procedure.

A. spicy cast1 is produced. The plaster cast is used to design an accurate SurgiGuide afterwards.
A standard CT or cone beam 3D scan of the jaw is sufficient.
2. Plaster cast
The quality of the impression and plaster cast will influence the fit of the tooth-supported SurgiGuide. Make sure to use an accurate and stable impression material (e.g., poly-ether, silicone). Use only an up-to-date plaster cast, as the teeth position can change over time.

Complex esthetics or large partially edentulous cases (> than 3 teeth missing)
A. It is recommended to fabricate a scan prosthesis to achieve optimal esthetic results. The scan prosthesis is only used to visualize the prosthetic set-up and to facilitate the merging of the plaster cast optical scan with the SimPlant file. The prosthesis is not used for the design of the SurgiGuide and has no specific design rules.
B. Prepare a bite index.
C. Have a plaster cast produced.

Totally edentulous cases
A. For bone-supported cases, it is recommended to fabricate a scan prosthesis, especially when your treatment goal is a fixed prosthesis.
B. Prepare a bite index.

As outlined in the Materialise Dental plaster cast guidelines, send a recent plaster cast to Materialise Dental or a SimPlant Master Dental Imaging Center. A high resolution optical scan is made and merged with your SimPlant file to produce a perfect fitting SurgiGuide. A faster alternative? Your lab can optically scan the plaster cast and send the 3D file to Materialise Dental.
Scan prosthesis fabrication for Single Scan or Dual Scan?
Depending on your preferences or the specific clinical situation, you can choose to have the scan prosthesis made according to either the Single Scan or Dual Scan procedure, as outlined in the Materialise Dental Scan Prosthesis fabrication guidelines.

Single Scan
- One scan of the patient wearing a radio-opaque scan prosthesis
- Less suitable for use with cone-beam 3D scanners
- An existing prosthesis can be duplicated or a new one can be made
- Advantage: only one scan needs to be taken

Dual Scan
- Two scans
  - One scan of the patient wearing the prosthesis and the bite index
  - One scan of the prosthesis
- Ideally suited for cone-beam 3D scanners from a practical point of view, but can of course also be applied when using CT scanning equipment
- An existing conventional prosthesis can be used as a scan prosthesis – you merely have to insert 8 equally distributed Dual Scan Markers available from Materialise Dental
- Make sure the prosthesis does not contain any metal parts
- When using an existing prosthesis, make sure it has a stable fit – if not, reline it or make a new one
- With the Dual Scan Package you have the necessary software to load the prosthetic information into SimPlant prior to 3D implant planning. In addition, you have a selection of hardware products to convert an existing conventional resin prosthesis into a scan prosthesis and also to help in preparing your patient for the scanning procedure
- The dual scan module allows you to go FastTrack for totally edentulous cases. Get the SurgiGuide you want and reduce SurgiGuide delivery time
- Advantage: quick and inexpensive when an existing prosthesis can be used
Step 3 – Taking the 3D scan

As a SimPlant user, you can work with both CT scanners and cone-beam 3D scanners of nearly any manufacturer – SimPlant is compatible with both types of scanning equipment.

Have your dental imaging center follow the Materialise Dental Single or Dual Scan guidelines in order to obtain optimal CT images – every implant treatment planning starts with a CT or cone-beam 3D scan that has been taken with the correct parameters!

Check-list before referring the patient to the dental imaging center

- Show the patient how to use the scan prosthesis and bite index
- Make sure the patient brings the scan prosthesis, bite index and Materialise Dental scan guidelines on the day of scanning. They should be used during the scanning
- Connect online to DentalPlanit through your SimPlant software to find a dental imaging center familiar with the Materialise Dental scan guidelines and located in your patient’s neighborhood
- Order the scan
Step 4 – Converting the CT images into a 3D file

After your patient has been scanned, the images are ready to be converted into a SimPlant file containing 2D images and a detailed 3D representation of your patient’s anatomy. The conversions can be made in either of the following ways:

**Have your CT images converted**
- You are a SimPlant Planner user – you need assistance for conversions
  - Send the CT images to Materialise Dental or a SimPlant Master Dental Imaging Center
  - Or connect to DentalPlanit from within SimPlant to collaborate with service providers online. At the click of a button, you will have your conversions delivered straight into your SimPlant planning software as a SimPlant file. Keep track of all your scan and/or conversion orders through your personal case overview
  - Choose the anatomical objects you would like to receive as separate 3D representation (e.g. tooth roots)

**Convert your own CT or cone beam 3D images**
- You are a SimPlant Pro or SimPlant Master user – you can do the conversions yourself
  - Use the segmentation wizard in SimPlant to import images straight from your scanner and convert the axial images into cross-sectional images and 3D representations of your patient’s anatomy
  - If you do not wish to do your own conversions and/or if you have special requests, you can send the images to Materialise Dental or a SimPlant Master Dental Imaging Center
Step 5 – Surgery planning with SimPlant®

Your CT images have been converted into a SimPlant file. Open your patient’s images in SimPlant and you’ll see:

- Axial images
- Cross-sectional images
- Panoramic views
- 3D representation of your patient’s anatomy

Everything is now set for you to plan your case and communicate in a clear way with your team and patient. Maybe you are new to SimPlant and need basic training to get you started, or maybe you have been using SimPlant for some time? Either way, and depending on your specific needs, you may find it useful to:

Read the SimPlant® Training Manual
Detailed software screenshots and tutorials in the SimPlant Training Manual give you step by step information on how to plan and place implants with SimPlant. You can access the manual and its tutorials at www.simplantacademy.org.

Register for a SimPlant® Academy course in your region
The SimPlant Academy offers computer guided implant dentistry hands-on training sessions worldwide for beginners and more advanced users. Look for a 3D Digital Dentistry course in your region at www.simplantacademy.org.

Watch our collection of SimPlant® and SurgiGuide® movies
You can find a number of movies on www.simplantacademy.org, which can be very helpful to learn more about the use and application of the SimPlant software and SurgiGuide drill guides.

Browse the help files
Use the SimPlant help files that are incorporated into the SimPlant software. Select “General Help” from the “Help” menu in SimPlant.

Ask for remote assistance
Many questions and information requests can be handled over the phone or by email. However in some instances, it might be useful for our customer service representative to take over your computer and offer you live support in ways that phone or email cannot provide you. It gives both of you the opportunity to find answers to your questions in a quick and efficient way – audibly and visibly. If you feel remote assistance might be the best way for us to approach your questions, feel free to contact your local SimPlant Helpdesk.

Contact the SimPlant® Helpdesk
Your local customer service representative will be happy to answer any queries you may have related to SimPlant or SurgiGuide, on the phone or by e-mail or you can use the support button in SimPlant.

Contact information for your local Materialise Dental office can be found on the back cover of this manual. For countries where we do not have a direct representation – go to www.materialisedental.com for a list of distributors.
Step 6 – SurgiGuide® online ordering

After completing the SurgiGuide Ordering Wizard in SimPlant, you will be directed to the online shop. Here you can add additional components to your shopping cart before payment. When your order has been registered successfully, you will receive an order confirmation.

In case you have ordered a tooth-supported SurgiGuide, don’t forget to also send the plaster cast to Materialise Dental.

**Speed up your order process with FastTrack.**

Check the Materialise Dental FastTrack guidelines to take full control of the design of your SurgiGuide and customize the dimensions yourself. Get the SurgiGuide you want and reduce SurgiGuide delivery time.

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Step 7 – SurgiGuide® delivery

Every SurgiGuide is the result of a high precision manufacturing process and is subject to extensive quality control before shipment.

Your SurgiGuide is delivered in a box together with the drilling and installation protocol. The unique number on the SurgiGuide corresponds with the number provided in the confirmation email following your order. Before performing your surgery, check the content of the delivery and compare with the enclosed drilling and installation protocol:

- **SAFE SurgiGuide** – Verify that the delivered drills correspond with the drilling and installation protocol and that you have a brand specific guided surgery kit.
- **Universal SurgiGuide** – Verify that your Universal SurgiGuide Drill Keys correspond with the correct Drill Key Platform (Narrow or Wide) as outlined in the drilling and installation protocol.
- **Evaluate the fit and stability of the SurgiGuide and its correspondence with your pre-operative planning.**
  - **Tooth-supported SurgiGuide:** Check its positioning on the plaster cast and on the patient’s teeth. If the SurgiGuide fits on the plaster cast but not on the patient’s teeth, it is possible that the impression has been deformed. Using proper impression material will minimize deformations. Use only an up-to-date plaster cast as the position of the teeth may change over time.
  - **Mucosa-supported SurgiGuide:** Check its positioning on the patient's gum; the guide must have a unique position.
  - **Bone-supported SurgiGuide:** Check its positioning on the digital bone model that is delivered with the guide. Verify the distance between the SurgiGuide and any remaining teeth, as well as its distance to other important anatomical landmarks such as the mental foramen.

**Surgical index**

For a mucosa-supported SurgiGuide, it is recommended to make a surgical index to stabilize the SurgiGuide during fixation.

The index can be made directly in the patient’s mouth using standard index material. Make sure that the SurgiGuide is well-positioned and has a unique fit on the mucosa during gentle closure in centric relation.

If sufficient teeth of the scan prosthesis remain in the design of the SurgiGuide, the bite index made for the scan procedure, can be used instead.

In some situations it is also recommended to make an index in order to stabilize a tooth-supported SurgiGuide.
Step 8 – Performing surgery

1° Disinfection

Disinfect the SurgiGuide before surgery
- Use a standard liquid chemical disinfectant that is approved for dental applications (i.e. chlorhexidine, betadine)

2° Surgery preparation

Tooth- and mucosa-supported SurgiGuide®
Depending on the amount of keratinized tissue, a flapless procedure could be preferable. Punching and removal of the soft tissue may be done prior to or after positioning and fixation of the SurgiGuide in the patient’s mouth – depending on the dimensions of the instrument used.

Mucosa- and bone-supported SurgiGuide® (and only occasionally: tooth-supported SurgiGuide®)

3° Site preparation

Preparation of the implant sites is carried out with a sequence of drills as described in the drilling and installation protocol, delivered with your SurgiGuide.
- SAFE SurgiGuide – a physical stop allows for depth control.
- Universal SurgiGuide – fixed implant position and angulation, without physical stop. Drill depth information is delivered together with your SurgiGuide, allowing for visual depth control.
- A Pilot SurgiGuide offers optimal guidance during the most challenging initial drilling, without physical stop. Remove the SurgiGuide and complete the drilling sequence according to the manufacturer’s specifications.
If a crestal incision was made to allow for better visibility or augmentation procedures, the mucoperiosteal flap has to be repositioned and sutured.

4° Implant installation

If required, perform any additional implant site preparation according to the implant manufacturer’s specifications.

SAFE SurgiGuide®
Attach the correct implant holders onto the corresponding implants, in accordance with your planning. Perform implant placement through the guiding tubes until the physical stop touches the tube. Take into account mechanical considerations when deciding which implants to place first. Do not remove the implant holders until all implants have been positioned.

Universal SurgiGuide®
During surgery, only the drills are guided. When the drilling sequence is completed, remove the SurgiGuide and place the implants according to the manufacturer’s specifications.

Pilot SurgiGuide®
Place the implants according to the manufacturer’s specifications.

5° Patient instructions

Provide your patient with proper post-operative instructions, related to the specific implant surgery.
The SAFE SurgiGuide solution offers you guidance in three dimensions and the possibility to order a digital cast. The Materialise Dental Immediate Smile guidelines outline how you can have a temporary restoration fabricated prior to surgery. After implant installation, insert the planned abutments and provisional restoration and provide your patient with an Immediate Smile.

Order a digital cast
You can easily order a digital cast in the online shop when ordering your SurgiGuide. A digital cast is a special model with implant sites which are adapted to the dimensions of the implant analogs. Make sure you specify the exact dimensions of the implant analogs you are going to use.

Articulate the digital cast
Articulate the digital cast before you have it fabricated. The information of the scan prosthesis is included in the digital cast, facilitating this procedure.

Insert the analogs (dental lab)
Insert the analogs into the digital cast and until they reach the bottom. Ask your dental lab to reuse the analogs for the final restoration.

Fabricate the temporary restoration (dental lab)
A screw-retained temporary restoration with a rigid metal or fiber structure can now be made. To compensate for small deviations, slightly oversized holes with a tolerance of 1 mm relative to the temporary cylinder diameter are recommended.

Adapt the temporary restoration
The temporary cylinders are postoperatively attached with self-curing resin. The restoration can now be unscrewed and finished outside the patient’s mouth. Make sure you attain a perfectly balanced bilateral occlusion.

Step 9 – Offering your patient an Immediate Smile®
Clinical guidelines

Please check www.simplantacademy.org for the most up to date clinical guidelines

- Scan prosthesis fabrication guidelines
- Plaster cast guidelines for a tooth-supported SurgiGuide®
- Single/Dual Scan guidelines
- SurgiGuide® fixation guidelines
- FastTrack guidelines
- Immediate Smile® guidelines
Treatment planning in a nutshell: 1-3 teeth missing

1. 3D scanning
2. 3D conversion
3. 3D planning virtual teeth
4. 3D scanning
5. 3D conversion
6. 3D planning virtual teeth

- Accurate plaster cast: Polyether or silicone impression
- Immediate Smile® + Digital Cast
- Immediate Smile®
- Flapless surgery
- + Digital cast
- Delayed loading
- Small to medium bone volume: Tooth-supported Surgiguide®
- Medium to large bone volume: Tooth-supported Surgiguide®
- Spacing: Radiolucent open bite
- Treatment planning in a nutshell: 1-3 teeth missing

- 3D scanning
- 3D conversion
- 3D planning virtual teeth
- Flapless surgery (+ local bone augmentation)
Treatment planning in a nutshell:
Complex or more than 3 teeth missing

- **Scan Prosthesis Single Scan**
  Radiopaque teeth and base plate

- **Scan Prosthesis Dual Scan**
  Recommended for CBCT
  Radiolucent prosthesis with dual scan markers

- **Bite Index**
  Radiolucent centric relation open bite

- **Accurate Plaster Cast**
  Polyether or silicone impression

**3D Scanning**

**3D Conversion**

**3D Planning**

- Small to medium bone volume
  Bone-supported Surgiguide®

- Medium to large bone volume
  Tooth-supported Surgiguide®

- Surgery (+local bone augmentation)

- Flapless surgery

- Delayed Loading

- Immediate Smile®

- + Digital Cast
Treatment planning in a nutshell:
**Totally edentulous**

- **Scan Prosthesis**
  - Single Scan
  - Radiopaque Teeth and Base Plate
  
- **Scan Prosthesis**
  - Dual Scan
  - Recommended for CBCT Radiopaque Prosthesis with Dual Scan Markers

- **Bite Index**
  - Radiolucent
  - Centric Relation
  - Open Bite

**3D Scanning** ➔ **3D Conversion** ➔ **3D Planning**

- **Small to Medium Bone Volume**
  - Bone-Supported Surgiguide®
  - Surgery (+Local Bone Augmentation)
  - Delayed Loading

- **Medium to Large Bone Volume**
  - Mucosa-Supported Surgiguide®
  - Flapless Surgery
  - Immediate Smile®

- **Scan Prosthesis**
  - Dual Scan
  - RECOMMENDED FOR CBCT RADIOPAQUE TEETH AND BASE PLATE
  - RADIOPAQUE TEETH AND BASE PLATE

**Recommended for CBCT Radiolucent Prosthesis with Dual Scan Markers**

**Scan Prosthesis**
- Single Scan
- Radiopaque Teeth and Base Plate

**Scan Prosthesis**
- Dual Scan
- Radiopaque Teeth and Base Plate
Materialise Dental.
Creating a better and healthier world through 3D Digital Dentistry.

Materialise Dental has always been at the forefront of developing innovative 3D technology solutions for dental professionals and oral and maxillofacial surgeons. We strive to offer you the best 3D diagnostic and (implant) treatment planning tools available on the market.

We’re ready. Are you?