

Simplant[®] Pro workflow

PARTIALLY EDENTULOUS

1 Clinician: Examination



Take impression or intra-oral scan



Make bite index or spacer

2 Dental Lab: Preparations



Make plaster model (Extract teeth)



Make wax-up or digital tooth set-up



Optical scans from plaster model with and without wax-up*

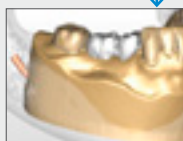
3 Clinician or Scan Center: (CB) CT



SINGLE SCAN: Scan patient with bite index

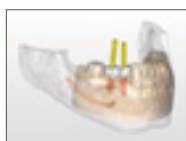
4 Clinician: Create Simplant file

Open Simplant, import (CB)CT data, create bone model and nerve



Import digital scan(s) to obtain soft tissue and tooth set-up

5 Clinician: Planning in Simplant



Plan implants & abutments



Order Simplant Guide (tooth or bone supported)

TOTALLY EDENTULOUS

1 Clinician: Examination



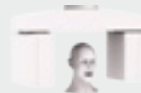
Create a new or reline recent prosthesis. Add dual scan markers



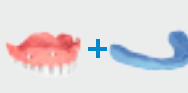
Make bite index

2 Clinician or Scan Center: (CB) CT

DUAL SCAN:



+



+



Scan 1: Patient + scan prosthesis + bite index

Scan 2: Scan prosthesis

3 Clinician: Create Simplant file



SCAN 1



SCAN 2

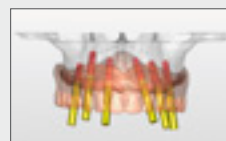


Open Simplant, import (CB)CT data, create bone model and nerve

Import (CB)CT data of scan prosthesis to obtain tooth set-up**

Simplant calculates soft tissue information

4 Clinician: Planning in Simplant



Plan implants & abutments



Order Simplant Guide in Simplant (mucosa or bone supported)

*If the lab does not have an optical scanner or you do not have an Optical scan module, see guidelines on the back for alternative workflow via www.dentalplanit.com

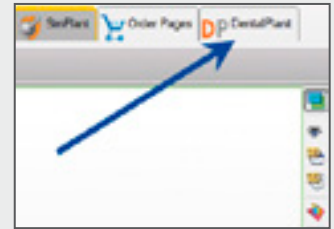
**If you do not have a Dual Scan module, see guidelines on the back for alternative workflow via www.dentalplanit.com

The workflows described in the document are optional but recommended.

Simplant[®] Pro workflow: Guidelines

Guidelines for importing soft tissue & tooth setup, if you do not have optical scan or dual scan module in Simplant:

- Open Simplant, click DentalPlanit button or go directly to www.dentalplanit.com
- Request Simplant conversion
- For partially edentulous cases, upload Simplant file and upload optical scan data or upload Simplant file and send plaster model and wax-up and DentalPlanit prescription form to the conversion service provider.
- For totally edentulous cases, upload Simplant file and upload CB(CT) scan data of the scan prosthesis.
- Download Simplant file with soft tissue and tooth set-up when ready



Partially + totally edentulous: Bite index preparation guidelines

Inject the radiolucent bite registration material (e.g. Aquasil Bite) onto the patient's occlusal surface.

Guide the patient to close the mouth into the desired position. Patient should not completely close mouth.

Remove the bite index and trim excess material with a sharp instrument.

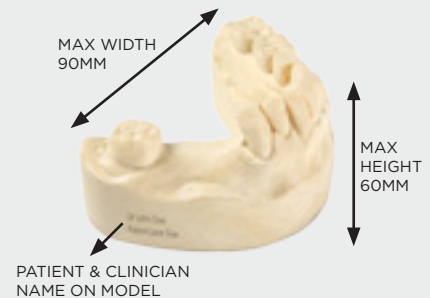
Thickness of bite index: 3-5 mm



Partially edentulous: Plaster model & wax-up preparation guidelines

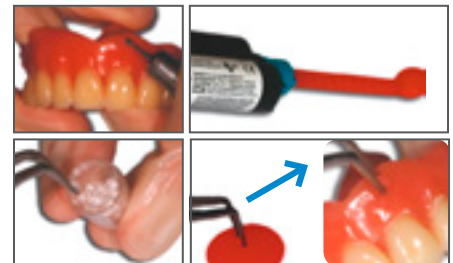
- Use accurate impression material (poly-ether, silicone).
- Use an up-to-date and intact plaster model.
- A maxillary model should contain the complete palatum and tuberositas.
- Grind away teeth that will be extracted during implant surgery from the plaster model.
- Prepare a wax-up of the ideal tooth set-up.
- Mark the patient's name and the name of the dentist or ordering person on the model.
- Add the DentalPlanit conversion order form or Simplant Guide order form.

Note: Full extraction: 1 model with original dentition, 1 model with teeth ground away.



Totally edentulous: Prosthesis preparation guidelines for dual scan procedure

- Create 8 small, superficial cavities.
- Dispense a drop of radiolucent resin (e.g. Triad[®], Dualine[®]) and submerge a Dual Scan marker. Place the resin with the marker in a cavity.
- If necessary, light cure to reduce curing time.
- Repeat these steps for all Dual Scan markers.
- Scan prosthesis should be radiolucent, free of metal



(CB)CT scan guidelines

Partially edentulous: single scan

- Scan the patient wearing the bite index or spacer
- For large (few teeth left) or critical (e.g. Kennedy Class I) cases, use cotton wool to separate cheeks from the arch or apply Dual Scan procedure.



Totally edentulous: dual scan

- Scan 1: Scan patient wearing the bite index and radiolucent prosthesis with Dual Scan markers
- Scan 2: Scan prosthesis alone, in the same left / right, top / bottom position as during Scan 1

