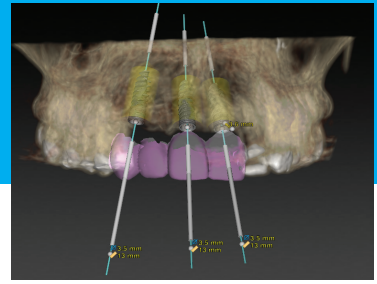


Smart Fusion®

NobelGuide - Guided Surgery



Haupt Dental Lab - Guide to Getting Started

Diagnostics - Step #1

Impressions/Models/Photos

Smart Fusion guides are tooth and tissue borne. Having accurate models is imperative to the fit of the Smart Fusion surgical guide. Care should be made when taking impressions to capture the vestibular extensions and palate. When using alginate, pouring the impressions within 5min of removal will eliminate distortion. A high-quality low-expansion dental stone is recommended. Taking a bite registration using a rigid polyvinyl material will ensure accurate mounted models. Photographs of the patient are helpful to determine the aesthetic needs of the case.

CT SCAN - Step #2

CT Protocol

3D Digital planning requires the use of a CBCT scan. The brand of the CT scanner is not important, so long as the data captured is exported to DICOM format. This format is the standardized digital format and every CT scan can be converted to this format. For assistance with DICOM data export, please contact your CT Scanner rep. (CT SCANS at X-Ray labs work very well too. Please request the Nobel Biocare protocol on your work order)

The Smart Fusion process combines the CBCT data with the models provided. This provides accurate fitting surgical guides and pinpoint accuracy of the digital workup. The use of a CT Radiographic Guide is not necessary when there are existing teeth present in the arch to be restored. Fully edentulous cases still require the use of dual scan CBCT using the patient's denture.

Scan protocol is available in detail from hauptlab.com/digital-implant-planning

Laboratory Workup - Step #3

Waxup/Digital Planning

The models will be articulated using a semi-adjustable articulator of your choice (Panadent/Sam3/Artex/Stratos) A full contour waxup will be made on the models to replace the teeth to be restored. This model/waxup will then scanned and the 3d data imposed into the CBCT using Nobel Clinician software. This process is extremely accurate and will provide full anatomical detail of the proposed restorations that have been designed in wax.

A digital proposal of the implants will be designed in the Nobel Clinician software. Once complete, a 3d viewer file will be sent to the email provided under the name "do_not_reply@nobelbiocare.com" A 3d file may also be sent to your iPad device. If you own the Nobel Clinician software, the working file will be uploaded to the Nobel "cloud" and you will receive an call/email from hauptlab indicating the workup is ready to review.

Once the workup has been approved by the doctor(s), we will fax the authorization form prior to fabricating the surgical guide. A full report of the proposed implant sizes/abutments will be emailed after receipt of the authorization form.

The surgical guide takes approximately 3 working days from that point to fabricate.

Surgery/Surgical Protocol- Step #4

Implant Placement Kits/Surgical Protocol

The fit of the surgical guide should be confirmed in the mouth prior to surgery if possible. If the fit of the NobelGuide stent is not good, consider making a new impression and repeating the process prior to surgery.

NobelGuide surgical stents require the use of specialized surgical kits for implant placement. Haupt Dental Lab may have the surgical kit you require available for lease. Please check with your implant rep/haupt lab to see what you will need to place the implants using the NobelGuide surgical stent.

Instructional videos are available at hauptlab.com/digital-implant-planning.

