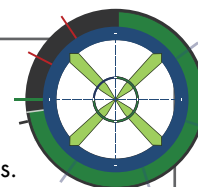


**FastMap Basic Photogrammetry employs traditional photogrammetry technology, mapping the implant MUA positions to each other.**

- Ideal for Final Prosthesis design and fabrication.
- The relative positioning/orientation to the patient is established with an additional Intraoral Scan (IO Scan), using Elos IO 2C-A or White Caps.
- If using Basic Photogrammetry for Same Day Provisional, the basic (traditional) photogrammetry fixation fiducial screws IO Scan protocol is needed for matching with the diagnostic wax-up.
- FastMap can capture from All-on-3 to All-on-8 MUA positions.



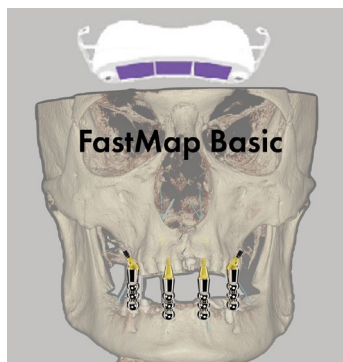
**1**

**FastMap Basic for Final Prosthesis:**

Once the soft tissue is healed, the clinician can use the non-navigated FastMap Basic Photogrammetry feature for design and fabrication of the Final Prosthesis.

- Clinician should provide a healed soft tissue IO Scan, no fixation fiducial screws required.
- Any other relevant IO Scans as recommended by the Lab.

**A.** Clinician performs non-navigated FastMap Basic Photogrammetry Scan.



**B.** Clinician performs healed soft tissue IO Scan with Elos IO 2C-A Scan Body or Nobel White Caps. And, any other relevant IO Scans.

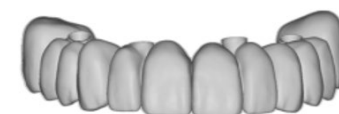


**C.** Clinician Exports FastMap Open STL. See page 3 for FastMap Basic file structure details.



Export converts FastMap Scan Body to Elos IO 2C-A AND to Nobel White Caps.

**D.** Lab imports data into Design Software for Design & Fabrication of Final Prosthesis.



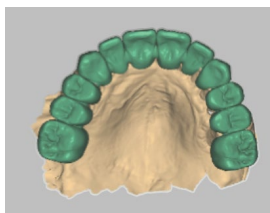
2

**FastMap Basic for Provisionals:**

FastMap Basic Photogrammetry can be used post-surgery for Same Day Provisional Prothesis (however, X-Nav recommends a FastMap Navigated scan).

- If using FastMap Basic for a Same Day Provisional, use a fixation fiducial screw pre- and post-surgery IO Scan protocol. These IO Scans are needed for matching the provisional with the diagnostic wax-up.

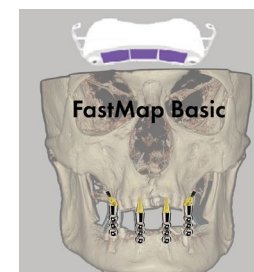
- A.** Lab designs digital wax-up on treatment plan IO Scan.



- B.** Clinician performs pre-op soft tissue IO Scan with fixation fiducial screws for aligning with wax-up.



- C.** Clinician performs non-navigated FastMap Basic Photogrammetry Scan immediately after surgery (no patient tracker).



- D.** Clinician performs post-op soft tissue IO Scan with fixation fiducial screws and Elos IO 2C-A or Nobel White Caps for aligning with digital wax-up.

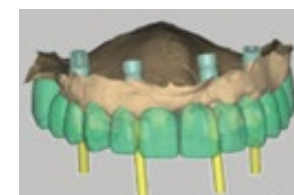


- E.** Clinician Exports FastMap Open STL. See step 3 for FastMap Basic file details.



Export converts FastMap Scan Body to Elos IO 2C-A AND to Nobel White Caps.

- F.** Lab imports data into design software for design & fabrication of provisional.



3

FastMap Output data will come in a ZIP single file



[DOWNLOAD SAMPLE Basic FASTMAP DATASET](#)

### Uncompressed File Structure – FastMap Basic:

Name	Type
Advanced	File folder
Export_Summary	Text Document
MERGED_MAXILLA_Elos-IO2C-A-NobelBiocare-MultiUnitNPRP	STL File

Import this into design software. We auto convert the FastMap Scan Bodies into the Elos IO 2C-A geometry.

**NOTE:** Nobel White Cap & more Elos IO data is in the **ADVANCED** folder.

### ADVANCED Folder:

Name	Type
_Elos-IO2C-A-NobelBiocare-MultiUnitNPRP	File folder
_Elos-IO2C-B-NobelBiocare-MultiUnitWP	File folder
_white-cap-NobelBiocare-MultiUnitNPRP	File folder
_white-cap-NobelBiocare-MultiUnitWP	File folder
_XNav-IO2C-A-NobelBiocare-MultiUnitNPRP	File folder
Diagnostics	File folder
MERGED_MAXILLA_Elos-IO2C-A-NobelBiocare-MultiUnitNPRP	STL File
MERGED_MAXILLA_Elos-IO2C-B-NobelBiocare-MultiUnitWP	STL File
MERGED_MAXILLA_white-cap-NobelBiocare-MultiUnitNPRP	STL File
MERGED_MAXILLA_white-cap-NobelBiocare-MultiUnitWP	STL File
MERGED_MAXILLA_XNav-IO2C-A-NobelBiocare-MultiUnitNPRP	STL File

### FAQ's:

#### What scans do I need for a Final Prosthesis?

In addition to the FastMap Basic capture, labs typically prefer the IO Scan soft tissue scan with White Caps or Elos. If taking this scan, the clinician should use the Nobel Healing Cap Multi-unit (29064/5 pack or 31145/single pack) or Elos IO 2C-A during capture. Healed soft tissue capture from the IO Scan helps design the intaglio surface of the final prosthesis. This, along with the high accuracy of the photogrammetry data for MUA position, results in optimal design.

#### Do we need a pre- and post-surgical IO Scan for Immediate Provisionalization if using the FastMap Basic capture?

- Yes there needs to be a pre-op and post-op IO Scan with fiducial fixation screws for aligning the meshes in the design software, the clinician should use the Nobel Healing Cap Multi-unit (29064/5 pack or 31145/single pack) or Elos IO 2C-A during post-op IO Scan capture.



or

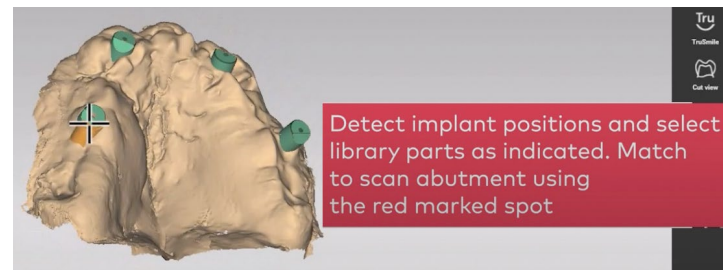
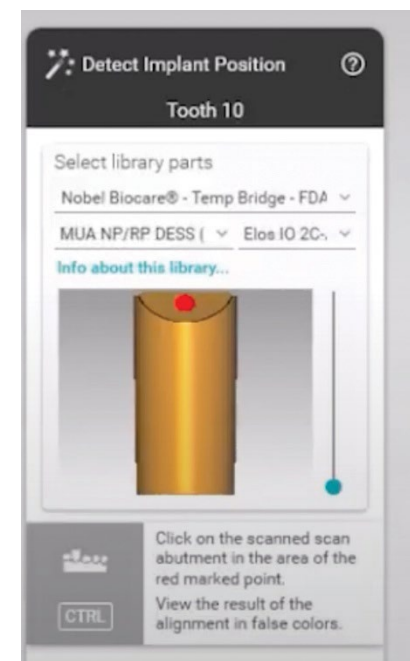


Nobel White Cap  
Healing Abutment  
(For the Nobel Biocare  
workflow, please use  
their White Cap healing  
abutment for the post  
surgical soft tissue scan.)  
Elos IO  
2C-A

## FastMap® Basic Photogrammetry for the Dental Lab

#### In Exocad, can I use DESS Screws with FastMap Data?

- Yes. Select the library parts from the Select Library drop down menu in the Wizard. Match to the scan abutment using the red marked spot.




## How do we access different geometry (shapes) libraries in Exocad Design Software?

Click [EXOCAD LINK](#) to download various packages for: **ELOS**, **Nobel Biocare**, **DESS**

### ELOS

**Download Packages:** Elos IL IO exocad libraries (for non-US customers) and Elos IL FDA IO exocad libraries (for US customers). This package contains the Elos Accurate – Hybrid Base Non-Engaging library, which contains the Elos IO 2C-A STL geometry.



Package: Elos Lab Analog exocad libraries  
Updated: 30-08-2024, 4 libraries included

+ Add to download list

Package: Elos IL IO exocad libraries  
Updated: 06-03-2025, 102 libraries included


+ Add to download list

Package: Elos IL FDA IO exocad libraries  
Updated: 12-02-2025, 41 libraries included

+ Add to download list

### Nobel Biocare

**Download Packages:** Nobel Biocare Non US IL ALL exocad libraries and Nobel Biocare IL FDA All exocad libraries. This package contains the Nobel Biocare – Temp Bridge library, which contains both the Elos IO 2C-A and Nobel whitecap (Healing Cap 31145) geometries with specific DESS screw sizes.



Package: NobelBiocare Non US IL All exocad libraries  
Updated: 12-12-2024, 11 libraries included

+ Add to download list

Package: NobelBiocare NobelPearl Lab Analog exocad libraries  
Updated: 07-11-2024, 1 libraries included

+ Add to download list

Package: NobelBiocare NobelPearl IL exocad libraries  
Updated: 02-08-2024, 1 libraries included

+ Add to download list

Package: NobelBiocare IL FDA All exocad libraries  
Updated: 27-11-2024, 10 libraries included


+ Add to download list

Package: NobelBiocare FDA Lab Analog exocad libraries  
Updated: 07-11-2024, 8 libraries included

+ Add to download list

### DESS

**Download Packages:** DESS FDA IO IL exocad libraries (US customers) and DESS Angled Base All IO IL exocad libraries and DESS BASE All IO IL exocad libraries (non-US customers).



Package: DESS PIC All IO exocad libraries  
Updated: 22-10-2024, 4 libraries included

+ Add to download list

Package: DESS Lab Analog exocad libraries  
Updated: 28-01-2025, 32 libraries included

+ Add to download list

Package: DESS FDA IO IL exocad libraries  
Updated: 28-02-2025, 126 libraries included

+ Add to download list

Package: DESS Angled Base All IO IL exocad libraries  
Updated: 04-03-2025, 84 libraries included

+ Add to download list

Package: DESS BASE All IO IL exocad libraries  
Updated: 28-02-2025, 51 libraries included

+ Add to download list