

3Shape and Exocad

3Shape Scans for Exocad Design Process

Standard Crown and Bridge Workflow

- 1) Set up the order in 3Shape.
 - a. Scan in the order at the end of the scanning process, close the software, and don't click on the design icon.
- 2) Right click on the order.
 - a. Go to advanced.
 - b. Export Scan.
 - i. Select stl from the drop down menu for the save as type.
 - c. Save the scan files to the desktop, or any folder to make it easier to find.
 - d. Rename the files with the patient name, or pan number.
 - i. This will prevent future cases from overwriting the scan files.
- 3) Open Exocad and set up the case again.
 - a. Once the case is set up, click on design.
- 4) Once the CAD program opens it will prompt you to import the scan files.
 - a. The pop up window will show at the top what scan files to import.

Abutment and Screw Retained Cases

These cases require a work around since 3Shape encrypts the scan body scan files once aligned to the implant library.

- 1) 1) Set up the case as a crown, or coping at the implant site.
 - a. If you have more than one implant site, set up a crown or coping for each implant.
- 2) Set scan type to un-sectioned model.
- 3) Add a preop scan to the order.
 - a. The preop scan will be the scan for the scan bodies.
- 4) Once the order form is set up, click on scan.
- 5) Your first scan, for the working model, will serve as the tissue scan.
 - a. Insert the model with soft tissue, and no scan bodies.
- 6) The preop scan will be used for the scan body scan.
 - a. If you have multiple abutment sites, but only one scan body you can use the add-on scan feature to capture those.
 - b. Once the initial scan is done move the scan body to the next implant site, without moving the model on the plate, and select adaptive scan.

- c. Highlight the area you moved the scan body to and hit next.
 - i. Repeat as needed.
- 7) Once the scanning of the case is complete, close the scan software.
- 8) Right click on the case and go to advanced.
 - a. Select export scan.
 - b. Change save as type to STL.
 - i. Save the scan files to the desktop, or a designated folder.
 - c. Rename the scan files to avoid future exports from overwriting them. i. Remember the prep scan will be your scan body alignment scan.
- 9) Create your order in Exocad.
- 10) Click design.
 - a. Follow the prompts on the scan import screen to import your files in the correct order.

Trios Inbox Files

How to import Trios Inbox Standalone 3OXZ files into Exocad

- 1) Once an order arrives in your Trios inbox, right click on the case and go to accept.
 - a. The order form will come up, just hit okay.
 - i. There is no need to change anything since the case will be designed in Exocad.
 - b. The order will now go to your 3Shape orders tab, under scanned unprepared.
- 2) Right click on the case and go to advanced.
 - a. Select explore order.
- 3) Open the order source folder, and copy the location in the address bar above.
- 4) Open your Exocad database.
- 5) Click on load.
- 6) On the bottom left side you will see an option that says Trios Import, click on that.
 - a. Paste the location of the order source folder into the pop up screen.
- 7) Select the 3OXZ file.
 - a. If there is more than one, select the largest option.
- 8) Hit okay.
 - a. This will import the complete order into your Exocad software.
- 9) Make sure to double-check the restoration selections for type and material.
 - a. Also make sure the antagonist model is not set as adjacent.
 - b. 3Shape marks the antagonist as healthy so when it is imported into Exocad it shows as an adjacent tooth, not an antagonist.

How to import Trios scan files into Exocad

- 1) Once an order arrives in your Trios Inbox, right click on the case and go to accept.
 - a. The order form will come up, just hit okay.
 - i. There is no need to change anything since the case will be designed in Exocad.
 - b. The order will now go to your 3Shape orders tab, under scanned unprepared.
- 2) Right click on the case and go to advanced.
- 3) Select export scan.
- 4) Change save as type to stl.
 - a. Some Exocad systems are capable of designing files in the DCM format.
 - i. You will need to contact your reseller to have this set up.
 - b. Make sure to pay attention to the location you are saving the files on the PC.
- 5) Rename the files to avoid them being overwritten on future scan file exports.
- 6) Open your Exocad dental DB.
- 7) Set up the case as if you are going to scan it there, but change the Scan mode to digital impression.
- 8) Once the case is set up, click save, then you can click on design to launch the CAD app.
- 9) You will now be asked to import the scan files.
 - a. Make sure to look at the top of the pop up box to import the correct scan files.