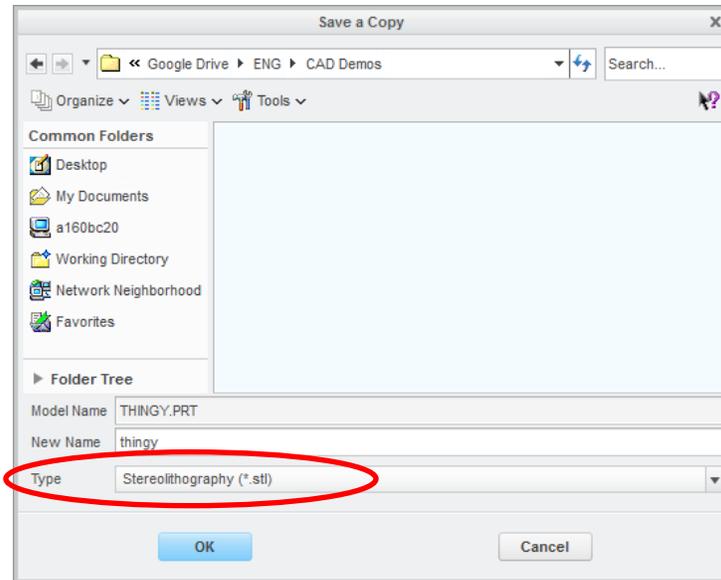
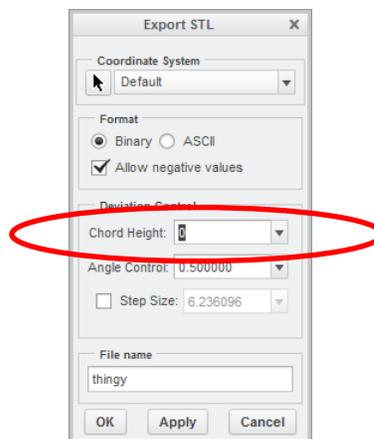


3D Printing

1. In Creo, after you have completed and saved your part or assembly, do File → Save as → Save a Copy, and select Type = Stereolithography (*.stl)



2. It will pop up and STL parameter window; set the Chord Height to 0. It will change it to a small non-zero value.

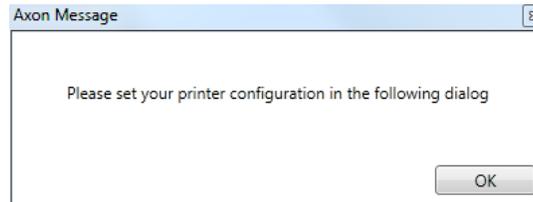


3. Click OK. You'll see a network of polygons drawn on your object that shows how it has interpreted the geometry. If you select different values for the Chord Height and Angle Control, you'll see different polygon networks showing different resolutions. Copy the resulting .STL file to the shared **CADModels** folder.

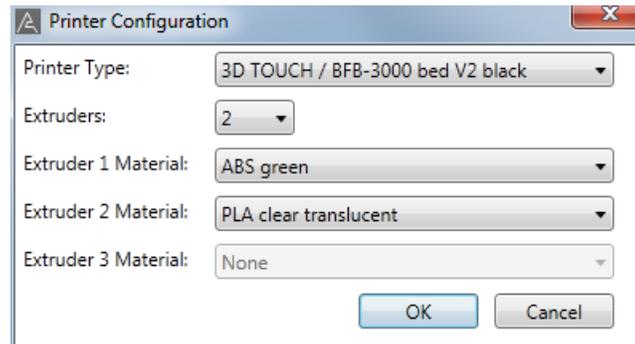
4. Bring up the Axon 2 tool



The first time you use the tool, it will ask you to set the printer configuration so it knows how to produce an appropriate output file. Click OK.



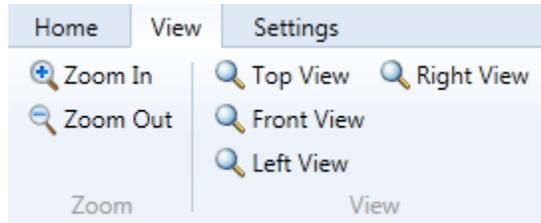
Set the configuration as follows:



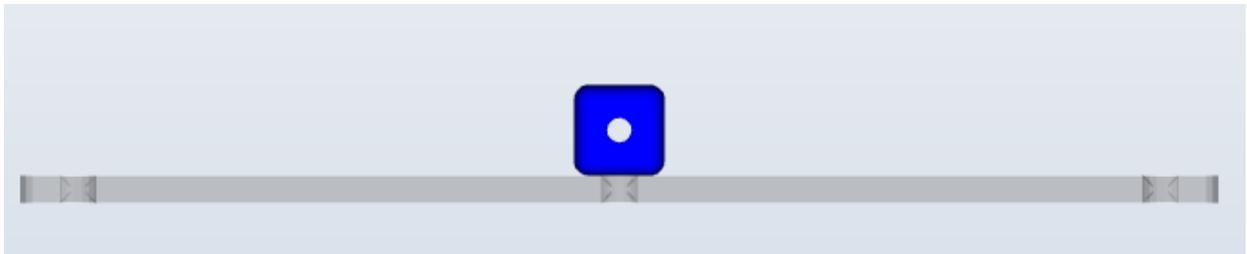
5.  the .STL file you saved in step 3 above. For the CORNER_CUBE, it should look like this:



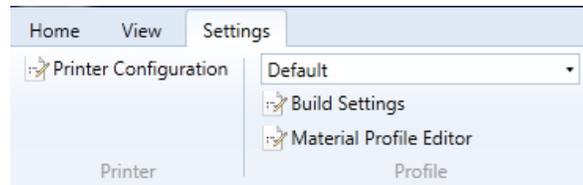
This shows the cube from the Top as it will be built on the printer bed. Click on the View tab, and look at it as well from the Front, Left, and Right view. You can also click and spin the table (NOT a CREO middle click!)



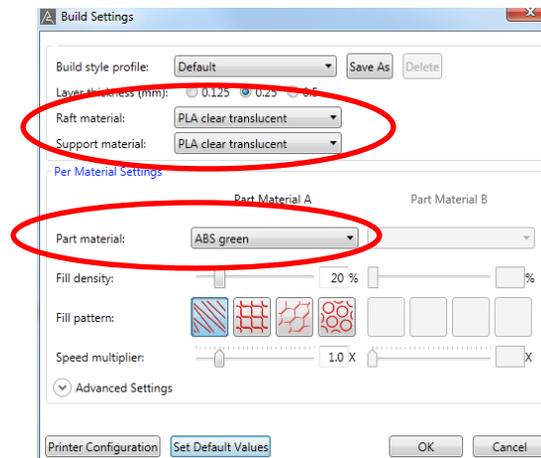
It should look like it is resting on the table. If it isn't, check with MrH before going further.



6. Now define the Settings for this print:

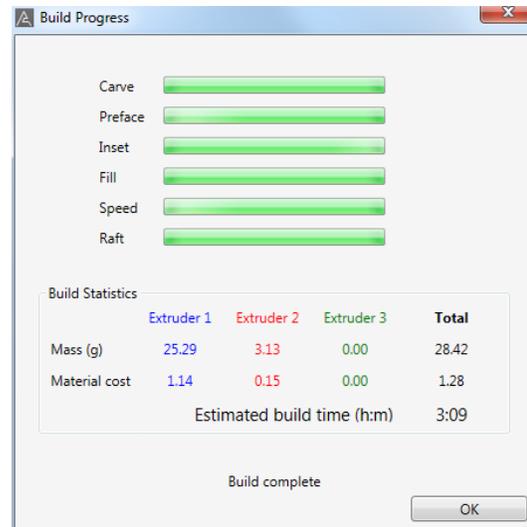
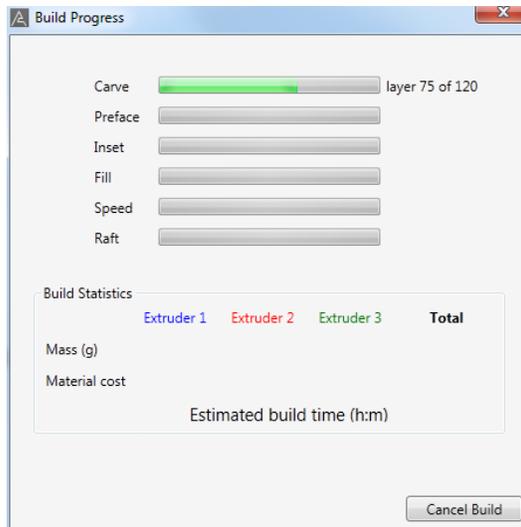


Select the Raft, Support, and Part material as shown. Don't change the other settings. Click Set Default Values to save these for future parts. The click OK.





- Now to build the printer input file! Go back to the Home tab, and click **Build**. It shows you the Build Settings again so you can verify them – bad things happen if they are not correct. Click Build to start the generation. It shows you the progress of the file; it may take many minutes if you're building a large complicated part.



Take a screen shot of the final Build Progress window and upload it to your shared Engineering folder. If it shows an error, or seems to be running forever even after all the green bars are at 100%, email MrH with the details.



- Click OK, and then click **Build File** in the Home tab. Save the .BFB file in your shared Engineering folder, and then copy it to the shared **CADModels** folder.