Subject: Scaling Design with AccuTrans
Posted by drummercove on Mon, 05 Sep 2011 22:43:58 GMT
View Forum Message <> Reply to Message

I tried scaling my design using the "converting with AccuTrans 3D" notes but haven't had any luck. I am using the free version of AccuTrans could this be
the problem?

Subject: Re: Scaling Design with AccuTrans
Posted by stop4stuff on Tue, 06 Sep 2011 09:21:14 GMT
View Forum Message <> Reply to Message

Hi drummercove,

Welcome to Shapeways!

Scaling in Accutrans3D can be a bit daunting, but once you get the hang of it, it is quite straightforward. I recommend saving the output file from Accutrans3D as an STL. On upload to Shapeways, you will have the option of selecting Meters, Inches or MM as the units of measurement.

Firstly you need to identify the native units of your 3D moelling software (Meters, Feet, Inches, CM or MM) - if the units are just units, the process may be a bit easier.

Once you've merged all shells/grouped objects, aligned normals, checked for holes in the mesh and are ready to save, head to 'Save With Options'.

Clicking on 'Use Units' (highlighted in red in the image) brings up the 'Scale Factor of Measurement' dialogue, and the fun begins

Select the units your modelling software uses in Import Units, then select the units you'd like to export in. You will see the scaled size change accordingly.

If your modelling software has no units of measurement, make both the 'Import Units' and 'Export Units' the same and use the 'Scale Factor 2' method below to adjust the output scale.

If the scaled size is not right, grab yourself a calculator. In my image above, the Y dimension is 63.115... but I need it to be 60 (and the rest of the dimensions should be proportional to the Y) so I divide 60 by 63.115 and get 0.9506456 which I enter into the box marked 'Scale Factor 2'.

Click 'Update SF' (highlighted green), then click 'OK'.

Lastly click 'Save' and job done!

Hope this sheds some light for you!
Paul
