
Subject: Problem uploading model :(
Posted by [atox828](#) on Tue, 23 Apr 2013 22:48:45 GMT
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Hey,

So i've got this model of a car I want to make, it's a model of an actual solar powered car we're building at UNSW. However whenever I try to upload the model, it comes back with an error message and I really don't know why. Note we've already used the file to build the actual car, from moulds, so I don't think it's because we've made a dodgy model.

I would appreciate any help!

Thanks

Alex

Subject: Re: Problem uploading model :(
Posted by [stonysmith](#) on Wed, 24 Apr 2013 02:18:30 GMT
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Three problems.

- 1) Your model has 17 shells and 582 holes. You should close all the holes and really should convert it to a single shell.
- 2) The righthand front wheel is duplicated in the straight plus right-hand and left-hand turn positions.
- 3) No printer Shapeways has is large enough to print your actual-sized car. <GRIN>

Your model is in real-world millimeters. You need to scale it down to something that will actually fit in the printer. (Shapeways doesn't have an option for rescaling the model AFTER uploading).

I converted your file to an STL for you.

Grab yourself a copy of the free Netfabb Basic from www.netfabb.com and load this file up.

- 1) Use the Netfabb tools to resize the model to some reasonable size. I would suggest somewhere between 2 and 4 inches long, depending on where you want to end up with cost.
- 2) Click on Repair, then "Close Holes", then "Remove Degenerate Faces"=0.001mm
- 3) Export the STL
- 4) Then, upload the model to cloud.netfabb.com in order to get all the shells welded together.

After you do all that, the model should be printable.

File Attachments

1) [Car.stl](#), downloaded 28 times

Subject: Re: Problem uploading model :(
Posted by [atox828](#) on Wed, 24 Apr 2013 09:38:19 GMT
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Thanks for the help.
I followed your steps and it is all working now. I think the main issue was the size!
Looking forward to receiving my model now

Subject: Re: Problem uploading model :(
Posted by [UniverseBecoming](#) on Thu, 25 Apr 2013 07:10:56 GMT
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I'm looking forward to the day when we can order a 3D printed full size car!

I'm going to say the technology will be available within 5 years to print an entire car in situ. All we need really is a breakthrough in multi-material capability such as metals in conjunction with polymers.
