Subject: Problem with STL from Solidworks
Posted by jsp7707 on Tue, 11 May 2010 05:28:12 GMT
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Hello All,

Attached is a zip file containing several stl files merged into 1 model. They are definately water tight individually, but when I merge layers in AccuTran I get all sort of errors.

And I am having NORMAL issues as well.

I also uploaded the individual pieces as well.

These files were created in solidworks and then mated together in an assembly. It's where the parts mate that I'm having problems...

File Attachments

1) test.zip, downloaded 118 times
2) test_merged.zip, downloaded 125 times

Subject: Re: Problem with STL from Solidworks
Posted by Youknowwho4eva on Tue, 11 May 2010 19:00:11 GMT
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I'm a little confused as to how your joining them. Are you Boolean unioning them as solids?

Looking in meshlabs I see the issue. You still have the surfaces in-between the pieces. You have to delete them out of there.

Subject: Re: Problem with STL from Solidworks
Posted by jsp7707 on Wed, 12 May 2010 00:04:05 GMT
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Ahhhh, There in fact is the real question.

Does Accutrans our MeshLab support boleen operations with multiple STL files?

If not Is there a FREE program that does?

Wow, I think I should post that.

... JEFF

Subject: Re: Problem with STL from Solidworks
Posted by Youknowwho4eva on Wed, 12 May 2010 12:40:22 GMT
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My software doesn't support Assemblies in STL apparently (opened fine in meshlab, in KC only one piece appeared), do you have them saved in SW format?

Subject: Re: Problem with STL from Solidworks
Posted by bitstoatoms on Wed, 12 May 2010 12:51:06 GMT
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Hi there,

I have not downloaded the files to inspect them,

But have you tried exporting the assembly from solidworks as a single STL file instead of as multiple STLs?

Subject: Re: Problem with STL from Solidworks
Posted by AO on Thu, 13 May 2010 08:02:18 GMT
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Hi Jsp,

You made an interesting object. Upload the SW file, complete I'll see what i can do for you.

Greetings AO

Subject: Re: Problem with STL from Solidworks

Posted by jsp7707 on Wed, 26 May 2010 02:07:18 GMT
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I finally solved the assembly issue. Once all the parts were assembled I FIXXED them into position and deleted all the coincidences.

I then went back into the part and shaved .00001" off of it.

Then when I updated the assembly the parts weren't touching anymore.

When it printed everything fused together anyway

See Post: