
Subject: Lotus Top

Posted by [ThreeForm](#) on Sat, 10 Mar 2012 17:04:53 GMT

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My first wearable fashion design arrived in a huge box, and it fits perfectly. This design actually arrived several months ago, but I've been refining my process and creating more designs to be sure I have a solid product line before releasing it.

Lotus Top

My approach is fairly unique. I scan the subject in 3D and sculpt the design using a haptic interface. The challenge is making it easy to involve customers in this process, and I believe I have a solution for that as well. Photogrammetry reconstruction is just barely becoming good enough to accomplish this sort of work. It still requires extensive measurements, carefully controlled photography, and laborious processing of the resulting data. Constructing the design itself requires some rare hardware and software that can be tricky to use (but a lot of fun). This was not my first design, but this was the first prototype where the measurement numbers were in close enough agreement that I could be fairly certain the fit was accurate (approximately 1% accuracy).

Here is the final print being worn:

I'm Happy to be offering this design and several others for sale in my Shapeways shop. The designs could simply be scaled to the customers measurements if their body type matched that of the models, but the shape is not nearly as form-fitting without an actual scan. These perfectly fitted, wearable designs are an example of the first digital couture designs on Shapeways (Continuum offers scan-fit versions on their website, but the Shapeways versions are generic sizes). If you'd like more information on how to aquire a scan, please contact me.

For those who are interested in the creation process, here are images of another design in progress:

Subject: Re: Lotus Top
Posted by [DarioScapittaDesign](#) on Sat, 10 Mar 2012 17:35:14 GMT
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Hi,
This is so beautiful and a very amazing design method! All my compliments!

Dario

Subject: Re: Lotus Top
Posted by [arklan](#) on Sat, 10 Mar 2012 23:52:10 GMT
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VERY cool. absolutely love this.

Subject: Re: Lotus Top
Posted by [denali3ddesign](#) on Sun, 11 Mar 2012 22:15:29 GMT
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Whoa, that's awesome!

Subject: Re: Lotus Top
Posted by [kspaho](#) on Tue, 13 Mar 2012 14:09:00 GMT
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Wow, nicely done

Subject: Re: Lotus Top
Posted by [ThreeForm](#) on Thu, 15 Mar 2012 16:03:55 GMT
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The positive responses are greatly appreciated. I have put a lot of effort into developing this over the last two years, and I'm delighted that it's finally taking shape.

Expect more very soon!