Subject: High Detail Ceramics, Interested?
Posted by jmandesigns on Fri, 07 Dec 2012 16:05:09 GMT
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Fabbaloo.com"

Think we can get shapeways to buy some of these !!?!

Subject: Re: High Detail Ceramics, Interested?
Posted by Youknowwho4eva on Fri, 07 Dec 2012 16:15:55 GMT
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I didn't read anything about glazing, just firing. Sounds like very fragile prints. Very cool tech though.

Subject: Re: High Detail Ceramics, Interested?
Posted by stannum on Fri, 07 Dec 2012 20:33:48 GMT
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Items anybody associates with ceramics like bricks or plant pots are pretty fine after firing, without any glaze. Some parts depend on the lack of glaze to be useful. But ceramics is a wide term, not just tableware or construction materials. You can find ceramics in brakes, bearings, engines and other parts that, while not will withstand hits, will suffer strong pressures, vibrations and heat. Ceramics in military are used to absorb lots of energy in impacts (personal and vehicle armor), but not break while wearing/driving around.

From their site "Lithoz enables the fabrication of prototypes without any costs for tools while achieving the mechanical characteristics of serially produced parts". They seem to target small parts for machinery and medical implants, so you would expect strong parts. Would you install a gear that breaks easily? Or a bone replacement?

Before discarding as fragile, get a sample.

Subject: Re: High Detail Ceramics, Interested?
Posted by bartv on Mon, 10 Dec 2012 10:33:48 GMT
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I've forwarded your suggestion to our Product team, thanks!!

Bart

Subject: Re: High Detail Ceramics, Interested?
Posted by stop4stuff on Mon, 10 Dec 2012 12:12:46 GMT
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Youknowwho4eva wrote on Fri, 07 December 2012 16:15I didn't read anything about glazing, just firing. Sounds like very fragile prints. Very cool tech though.

Reads like quite strong prints - "What you can't see is the strength of this material. You'd find it very difficult or even impossible to crush this cube using your fingers alone."

Paul
stop4stuff Modeller for hireShapeways ShopTwitterYouTube

Subject: Re: High Detail Ceramics, Interested?
Posted by Youknowwho4eva on Mon, 10 Dec 2012 14:09:43 GMT
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Crushing between your fingers is different than shipping it in the back of a box truck. I'm certainly not against us looking into the technology.

Subject: Re: High Detail Ceramics, Interested?
Posted by stop4stuff on Mon, 10 Dec 2012 22:26:27 GMT
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Youknowwho4eva wrote on Mon, 10 December 2012 14:09Crushing between your fingers is different than shipping it in the back of a box truck. I'm certainly not against us looking into the technology.

Yes it is, why compare apples to grapefruit?

Paul

Subject: Re: High Detail Ceramics, Interested?
Posted by victorrings on Tue, 01 Jan 2013 08:53:06 GMT
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here is a little more indepth look into the machine

http://www.3ders.org/articles/20121211-a-closer-look-at-inno
vative-high-accuracy-ceramic-3d-printer-cerafab-7500.html

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Subject: Re: High Detail Ceramics, Interested?
Posted by mkroeker on Tue, 01 Jan 2013 12:50:23 GMT
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Oh, nice - now I really want one... pity the build volume is only about half that of FUD (76x43x150mm)

Subject: Re: High Detail Ceramics, Interested?
Posted by Magic on Tue, 01 Jan 2013 15:19:03 GMT
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Big enough to make ceramics dice...