Subject: parts for micro-helicopter and second order
Posted by buho29 on Sun, 15 Mar 2009 09:27:23 GMT
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hello ,
I love shapeways!

I already said I love shapeways??, thank you for this wonderful service!

its opens a new era radio-control DIY

more images : http://buho29.net/img/HelimagImg/

project tail variable pitch (is possibly the smallest in the world)
http://www.helimag.com/showthread.php?t=16099 (in french)

http://www.helimag.com/showthread.php?t=16037 (in french)

tanks

Subject: Re: parts for micro-helicopter and second order
Posted by RalphVdB on Mon, 16 Mar 2009 10:58:27 GMT
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Wow! Absolutely stunnning! I am going to ask Joris to contact you. Maybe he can make a blogpost on this :d

Subject: Re: parts for micro-helicopter and second order
Posted by buho29 on Mon, 16 Mar 2009 18:54:07 GMT
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tanks

more image

Subject: Re: parts for micro-helicopter and second order
Posted by buho29 on Mon, 30 Mar 2009 13:09:05 GMT
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+

(cyano)

=

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test tail variable pitch (no fly)
http://www.dailymotion.com/buho29/video/14763077

tanks shapeways

Subject: Re: parts for micro-helicopter and second order
Posted by buho29 on Mon, 30 Mar 2009 15:09:17 GMT
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depends on the thickness have can win 5-30% in solidity

thickness 1mm , book 230 gr

Subject: Re: parts for micro-helicopter and second order
Posted by psau3 on Tue, 31 Mar 2009 02:33:56 GMT
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This is in WSF? I hadn't realised how porous the prints were until I saw the paint tutorial. Did you flood with a thin cyano or try to 'skin' with a thicker gel?

Great idea. :d

Subject: Re: parts for micro-helicopter and second order
Posted by pete on Wed, 01 Apr 2009 20:34:40 GMT
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Hi buho29,

really love your project.

I really like RC helicopters also and are curious what the base of your project is.

best regards,
Peter

Subject: Re: parts for micro-helicopter and second order
Posted by buho29 on Thu, 02 Apr 2009 05:10:28 GMT
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yes is WSF

I have used cyano thin

Subject: Re: parts for micro-helicopter and second order
Posted by buho29 on Thu, 02 Apr 2009 05:29:56 GMT
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thank you

the base (rotor only) it is a walkera 4-3

http://www.dailymotion.com/user/buho29/video/x76unl_game-hel i-43_tech

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Subject: Re: parts for micro-helicopter and second order
Posted by madox on Thu, 02 Apr 2009 11:41:26 GMT
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Hey buhu ;) i'm sure i've said its cool before but i just noticed those tiny outrunners

Could you tell me where you buy your motors? and electronics?

Subject: Re: parts for micro-helicopter and second order
Posted by buho29 on Thu, 02 Apr 2009 14:03:36 GMT
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tanks

the outrunner is :
http://www.hobbycity.com/hobbycity/store/uh_viewitem.asp?idp roduct=7230

often I use ebay

I also have other shops

but to look rather at rcgroups.com

the walkera 5g6-1 is a very good helicopter to start

Subject: Re: parts for micro-helicopter and second order
Posted by buho29 on Sun, 07 Jun 2009 09:35:22 GMT
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test frame part

fly

http://www.dailymotion.com/user/buho29/video/x9d9lc_bell-hil ler2_tech

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Subject: Re: parts for micro-helicopter and second order
Posted by Jack the R on Mon, 08 Jun 2009 19:14:02 GMT
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Amazing project! Are the rotor head parts, swash plate etc all injection molded parts, or a Shapeways detail material?

Subject: Re: parts for micro-helicopter and second order
Posted by buho29 on Tue, 09 Jun 2009 19:48:31 GMT
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tanks

the rotor is walkera 4-3 with arm-mix 4g3

Subject: Re: parts for micro-helicopter and second order
Posted by jmg123 on Wed, 10 Jun 2009 12:01:12 GMT
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Wow the pictures look great, do you have any plans to sell this/ allow others to print it in the future?

Subject: Re: parts for micro-helicopter and second order
Posted by buho29 on Sun, 02 Aug 2009 16:25:26 GMT
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good question :d

Should I make a 100% good

I think it is not beneficial for shapeways Many small piece and knows not a good plan

the person responsible for my order must surely curse me

new project 4g3 :

fly test :d

http://www.dailymotion.com/user/buho29/video/xa1i80_first-te st-4g3-tail-vp_tech

result :D:D

Subject: Re: parts for micro-helicopter and second order
Posted by buho29 on Tue, 04 Aug 2009 20:25:38 GMT
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new video

test tail variable pitch
http://www.dailymotion.com/user/buho29/video/xa1q8v_tail-tes t_tech

test fly
http://www.dailymotion.com/user/buho29/video/xa2799_4g3-vp-t est-fly_webcam

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Subject: Re: parts for micro-helicopter and second order
Posted by buho29 on Thu, 29 Apr 2010 22:41:55 GMT
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I just received my parts and I'm disappointed, they still change direction, there is trash

Another piece that I ordered was very good

if could have the opportunity to choose the direction even if they have to pay extra

even for basic things is important, ball bearing holes ect ...

on XY have a resolution of 0,05-0.1mm in Z is 0,2-0.5 mm

if one day we were given the choice, I could try, for now I'll have to continue seek another solution

http://www.rcgroups.com/forums/showthread.php?t=1161194

Subject: Re: parts for micro-helicopter and second order
Posted by 4m3D on Fri, 30 Apr 2010 11:26:59 GMT
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This is one amazing project! Love the videos! Looking forward to more updates.

Todd Bailey
www.4m3D.com

Subject: Re: parts for micro-helicopter and second order
Posted by buho29 on Sat, 01 May 2010 07:56:24 GMT
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tanks :)

now there will be no update with Shapeways

I tested my gear is a disaster :(, I wasted 28$:(

I tried another service print 3d

without a direction control I not recommend printed mechanical parts (frame included) , in Z circle is an oval 0.3-0.5mm

it's a shame, printed in the good direction the piece are very well

---

Subject: Re: parts for micro-helicopter and second order
Posted by pete on Sat, 01 May 2010 15:24:53 GMT
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Hey Buho,

thanks for the feedback. Pitty the gear did not work. This is one of my favorite projects (i have a r/c heli as well)

Perhaps we can make it up to you?
I will have the service team contact you.

best regards,
Peter

Subject: Re: parts for micro-helicopter and second order
Posted by buho29 on Sun, 02 May 2010 17:23:57 GMT
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This obsession for heli I think the movie E.T has made ravages in my childhood :lol: :d

I building my piece has a higher axis Z (20cmx20cmx6mm) and I ordered two piece because I thought were good orientation (the same gear breaks easily with plastic injected into the accident),

it's only allowed see that the gear is a good solution (the ratio is different to that of the manufacturer)

if could found a solution for printing orientation

I opened a thread on the topic if the team can bring anything I'd be very happy
http://www.shapeways.com/forum/index.php?t=msg&th=2474

thanks this reponse

Subject: Re: parts for micro-helicopter and second order
Posted by Luukw on Wed, 05 May 2010 13:38:42 GMT
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Hi Buho29

I am sorry to hear that your models were printed in the wrong direction for you. In the near future we hope to offer our customers the possibility to choose the direction of the printed models. Also when too many models are put in one frame (1 STL with models connected to each other) we

have to look of the model still fits in the horizontal direction.

Our service team will contact you how we can come to a solution, for you case. Hopefully you will consider your opinion about Shapeways and will this help you with further 3D printing.

Subject: Re: parts for micro-helicopter and second order
Posted by buho29 on Wed, 05 May 2010 23:15:43 GMT
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nice new! : D

there is a planned release date?

my opinion the Shapeways is very good (hard to get a better service) the problem of orientation is varied result in my case I can not use the piece (must say that my model is quite special)

I received a voucher 28$ (thanks), was not necessary :)

Subject: Re: parts for micro-helicopter and second order
Posted by tones3-d on Fri, 02 Jul 2010 14:06:31 GMT
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Beautiful detailed engineering, Buho.

I have also had issues with unfavorable print orientation.

Subject: Re: parts for micro-helicopter and second order
Posted by jmw326 on Fri, 02 Jul 2010 14:50:32 GMT
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amazing work. You have done an incredible job.