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Creality 3D® Ender-3 DIY 3D Printer!

by figtree7nts



20th Jul 2020

Creality 3D® Ender-3 DIY 3D Printer!

Would anyone be interested in a 3D printer Blog? I ordered a 3D printer. As most of my friends on another website are getting them! And I thought of maybe doing. An assembly and run Blog here! Please, let me know what you think! Cheers, Ed
Sorry, No picture!

23rd Oct 2020

First 3D printed figure!

Hi All, I have an STL file of a male figure standing! I'd like to use it for my newly acquired yacht! Problem is I don't know how to scale it to 1:20th scale! So, my question is how tall would a figure be at 1:20th scale! I'm currently printing it to a height of 80mm! Cheers, Ed PS, I have been helped I now know how tall the figure has to be!

22nd Oct 2020

PLA or Not!

I have had so much trouble with that Premium PLA! I got it touch with one of my good friends! Who more advanced in 3D printing! And he has informed me that. That Premium PLA is designed for high end 3D printers! And my Ender 3D printer can't handle. That Premium PLA! So, in the bin it goes! As I can't work with it! I have had success with the Current PLA I'm using! Live and learn, Live and Learn! Does anybody have a high end 3D printer! I'll post this Premium stuff to you! No Charge! LOL!

25th Jul 2020

Creality 3D Ender DIY 3D Printer!

My 3D Printer just arrived today! Along with 1 spool of PLA White plastic thread! The Printer comes with about. A 25' length of plastic thread! So, my plan is to blog the assembly. Of the printer! So, I'll start the blog tomorrow! As, I have a lot of videos to watch! The printer comes in pieces! But, should be straight forward in assembly! We shall see! Note: The printer maybe a bit noisy! Also, the printer may give off a bit of smell! But, I've been told It's not too bad of a smell!!! Other Note: Will take and move all or my computer equipment. And move it 24" to the right of where it is! To make space for the 3D Printer!!! So, the Blog may start on Monday! My intention with this Blog. Is to show, If I can do it. Anyone can do too!



27th Jul 2020

Unpacking and Building the Creality Ender-3 DIY Printer!

The Creality Ender-3 printer. Comes in a well packed box! With rubber foam protecting everything! I recommend you use a youtube video! As the instructions are very little or none! OK, they're poorly written! I used this youtube video: <https://www.youtube.com/watch?v=dQ0q9zLygTY> It is a very good guide! But, there is a problem with the video! In one of the step your told to use m18 screws! But, I think it's actually m16! Other than that it's a very instructional video! Ok, What I did was unpack the box. Then placed all the parts on my kitchen table! But, I needed to look at the video as a guide! So, the wife and I took all the parts. And placed then on my building bench! AKA, a long dresser! LOL! Then I could look at the video. And I could follow it! I did as the video recommend! And all went well! After building the 3D printer. I calibrated it 3 time! Making sure the bed was flat and true! I checked it a forth time! Just to make sure! I'm using PLA White for starters I thought there would be a smell. But, it's hardly noticeable! None in fact! I'm currently printing a test! It's a dog! The wife finds it fascinating! Oh, There is hardly any noise! Just a bit of whining from the z axes movement! OK, everything moves, But makes a low amount of noise! I find the video is the best way to build this printer! It took me about 2 hour 30 minutes to build it! But that's because I kept on putting the print head backwards! But, once I figured it out. There was no other problems with the build! This was a very good experience! And for those who want a 3D printer! I say go for it! And if I can do it! You can do it Too!



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16th Oct 2020

Pillsbury dough boy!

OK, So I ordered some more PLA in white! But, I have increased the bed temp this has helped! As I was trying to print the Dough Boy Figure! I attempted this about 3 times! Using this Premium PLA the setting where just not right! So, upon recommendation from Martin555! We tinkered with the settings to the Extruder and then the build bed! I now have the Printer set to 215 degrees Celsius! And the print bed at 70 degrees Celsius! IT's now working as it should! I will try another object to print! To see if indeed the setting are right! Thanks, Martin555! Cheers, Ed



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14th Oct 2020

Which PLA?

On my many adventure with my 3D Printer! You soon learn all PLA's. Are not the same! And they don't act the same! OK, I had ordered some creality PLA in white! It worked great! What a treat to see it work! But, this is the same spool that started to crack! So, I looked around for some more PLA! I found some! It even says "PREMIUM" on it! So I ordered some about \$25.00 a spool! Anyway, This stuff just doesn't work like the Creality stuff! I even raised the temp on the bed by 5 degrees! It just ain't working! But, I have a whole spool to experiment with! And yes it comes with recommendations for temps! But, even setting up the temps as recommended. It just ain't working! I'll keep on trying till I sort it out! Cheers, Ed

27th Jul 2020

Success!

My first 3D Print! It took about 1 hour! Give or take!



28th Jul 2020

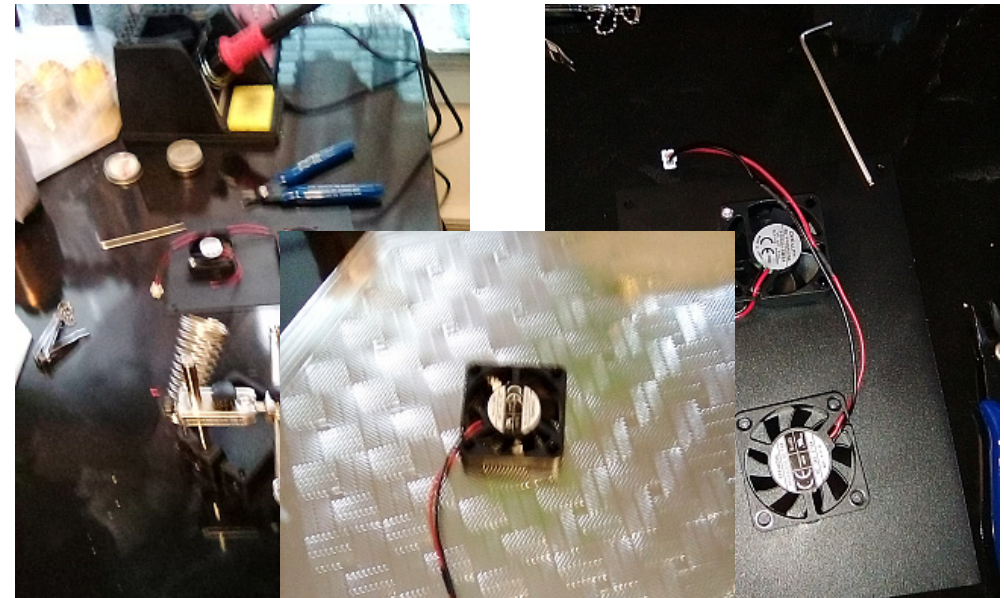
First Clog!

Well, what do you know! I've notice that these 3D printers will clog! And when they do. All hell brake loose! What you are printing. Will stop the print! I'm not sure how to do a continue after unclogging! But, I'm sure there's a way to continue the print job! So, for now I'm just learning!

13th Oct 2020

Fan goes Caput!

Hi All, I'm back, 3D Printing again! I thought the Extruder fan was going bad! But, it wasn't the Extruder fan making noise! It was actually the fan that cools. Down the mother board area! I did an internet search for a replacement fan! Trouble is there no longer available! I wonder why, This is a very important fan! But, luckily I had purchased. Replacement fans for the Extruder! So, What I did was canalized fans! OK, actually what I did was replace the bad fan. With a known good fan! But, I had to cut the pigtails coming out of the bad fan. Which had a connector on it! I soldered both ends together making sure to stagger where the solder joints would be on the wire! I also use heat shrink tubing to make it look neat! Even though no one will ever see the repair! My advice is order Extruder fans! As the fans on the 3D Printer go bad! As for 3D Printing. I'm still looking for something of interest! Cheers, All!



3rd Oct 2020

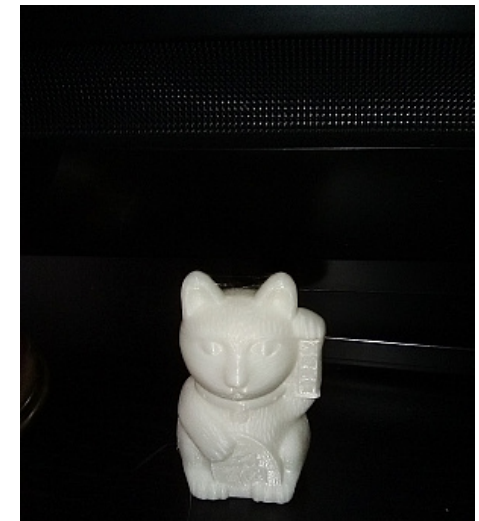
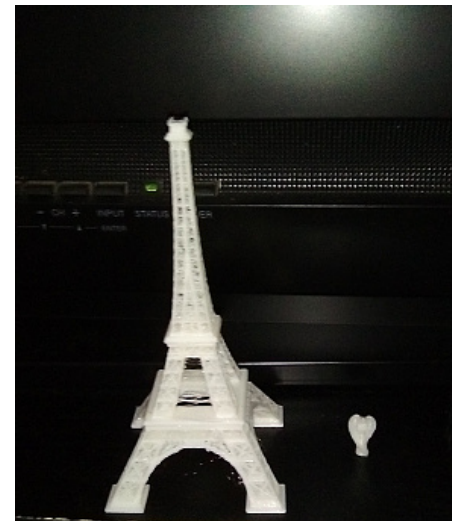
Extruder Fan!

Hi all, I just wanted to point out. That my Extruder fan has started to whine! I have gone ahead and purchased a replacement! The replacement pack comes with both Extruder fans! There being 2 they are marked. By different color wires! Guess they knew what they were doing! I may end up replacing the fan soon! As I don't like the way it's performing! So, when I do the replacing. I'll Blog it here on this Blog!

30th Jul 2020

3D Printed objects!

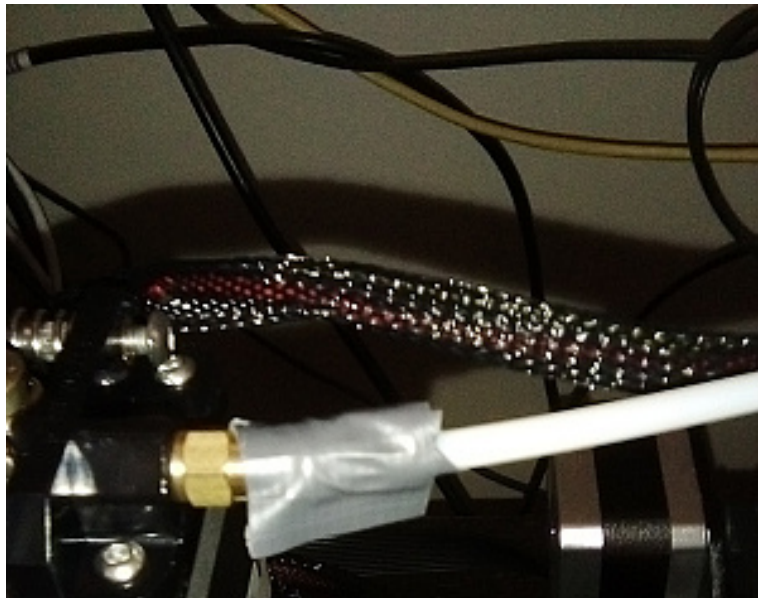
Ok, I printed a few objects! Just to see what it's like! Each object took about 5 hours to print! The Eiffel Tower came out ok! But, lacks fine details! The Cat on the other hand. Came out looking very good. And has great looking details! These objects I printed were just for fun! As I'm learning how the printer works! One thing I've notice about this printer. It's driver for windows 10 does fail! Which means you have to print from. A small memory chip that come with the printer! I have tried uninstalling the software. And reinstalling but it doesn't help! So, the chip has to be used! I think the folks in china. Know that the system driver would fail! This is why they put a slot for a memory chip! My next print will be a Sub Chaser! A good friend of mine. Has told me to print it out! I think that print job. Will take about a weeks time to print! And about a spool of PLA (Plastic)! Oh, if you look very carefully at the Eiffel Tower picture. There is an Angel to it right! IT stands about 10 mm's tall! Since, I'm going to print the Sub Chaser. Should I start a new thread? Blog? Or should I continue Posting here?



31st Jul 2020

Band-Aid anybody?

These 3D printers come with compression fittings! Which can become some what loose! The Printer comes with 2 compression fittings. Which is a good thing. Because mine became loose and the Bolan Tube. Which connects the Extruder motor to the Extruder. Became loose and would not stay on! So, I changed it to the spare 1. And that seems to have fixed the problem! But, Just in case I placed a piece of Duct Tape. To hold the Hose in place! Currently printing a Creality tools holder! Which goes placed on the gantry! I know brand new 3D printer. And already placing Duct Tape on it!



3rd Oct 2020

Hi All, Back to 3D Printing!

Hi All, I had a very bad head cold. So wasn't up to printing at all! But, I have gotten over my cold! It took about three weeks! But, I'm over it at last! Now back for some 3D Printing!

26th Aug 2020

A printed Angel!

The wife see's I can now do 3D printing! So she asked me to print an Angel for her! I found the Angel on Thingiverse! But, there's a problem with this little Angel! When you go to print it. It print to a size of about 10mm tall! So, using Cura I was able to increase. It's size to to 60mm tall! Which was great! But, As this little Angel is very narrow! It tends to come off the Build Plate! So, I used some Nano Polymer Adhesive from Vision Miners! This glue did help to keep the Angel from coming off the Build Plate! Having used the Nano Polymer Adhesive. I was successful in printing this little Angel! Sometimes you need help with the Build sticking to the Build Plate! Nano Polymer Adhesive helped me!!!



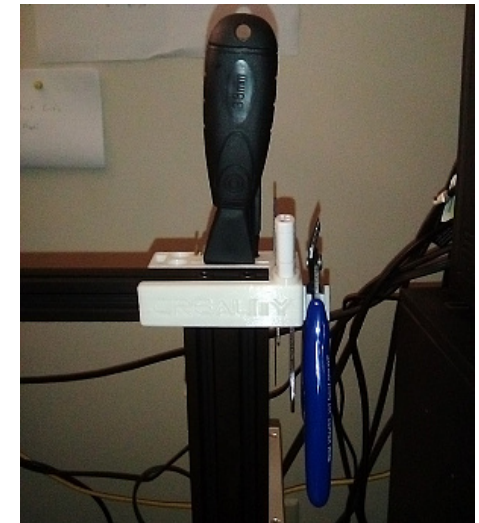
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31st Jul 2020

Ender 3 Tool Holder!

I saw this tool holder on Thingiverse. And thought this will help with not losing the tools! That come with the printer. So, I downloaded it and sliced it! And in 3 hour 30 minutes had it printed! And it actually works quite well! It went on to the gantry quite snug! Now, the tools that come with the printer. Have a nice place to reside! There are 2 extra holes in the tool holder. Guess, those are for hex drivers



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1st Aug 2020

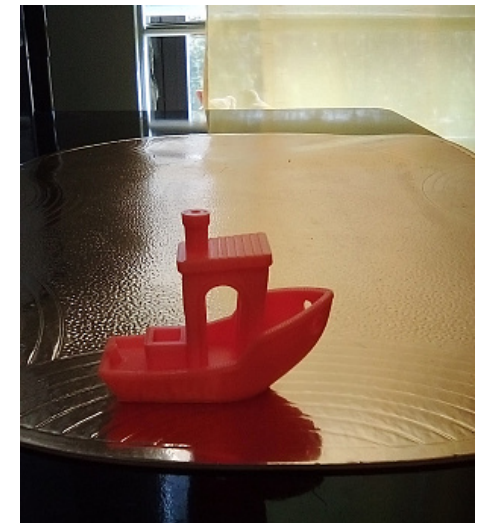
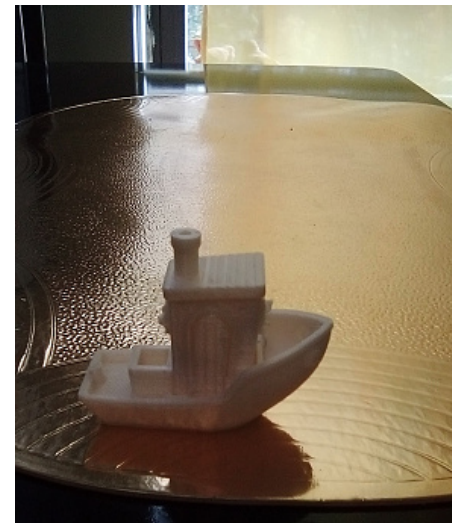
3D Printing!

At the moment I'm not concerned. About leaning Cura or Fusion 360! How ever I'm printing some small files! Basically to get the feel of the printer! In my next post I will explain a few thoughts! Of my experience so far Don't forget guys this is my very first Go with a 3D printer!

26th Aug 2020

Benchy Boat Print Test!

Benchy is a test print of a boat! So, I printed it but to my surprise. It didn't print out currently the first time! I had used Ultimaker Cura! But, I had one setting wrong! The Support placement was incorrect! So, I set it for Touching Build Plate! And that helped! As you can see the Print that's in White PLA. Has Support inside the Pilot House! That's wrong! But, after changing the the setting to Touching Build Plate! It was then Correct! As you can see from the Orange PLA Print! It's amazing how one little setting can change the outcome of a print!



17th Aug 2020

The Smell, The Smell the Awful Smell!

I'm currently using Filament from a company called. Matter Hackers they sell all sorts of Filament! I ordered some white PLA to replace. Some white PLA I had ordered from Banggood! Which kept on snapping most likely old stock! As I and Martin555 had spoken about it! And Martin555 helped me to realize. It has to be old stock! Anyway, I had looked on the Matter Hacker website. But, They did have just regular White PLA! So, I ordered some "Raised3D Premium PLA"! Which, has to be heated to 210 Degrees Celsius! But, as you use it after about 2 hours or so! It let off a very bad smell! I had to leave the area! And I turned on my Air Conditioner! This helped to circulate the air in the room! This is the first time this happens! But, I have heard of this happening to others. Who use 3D printers! I have had to switch back to the PLA that was Snapping! Also this PLA is used at 200 Degrees Celsius! And does not smell!

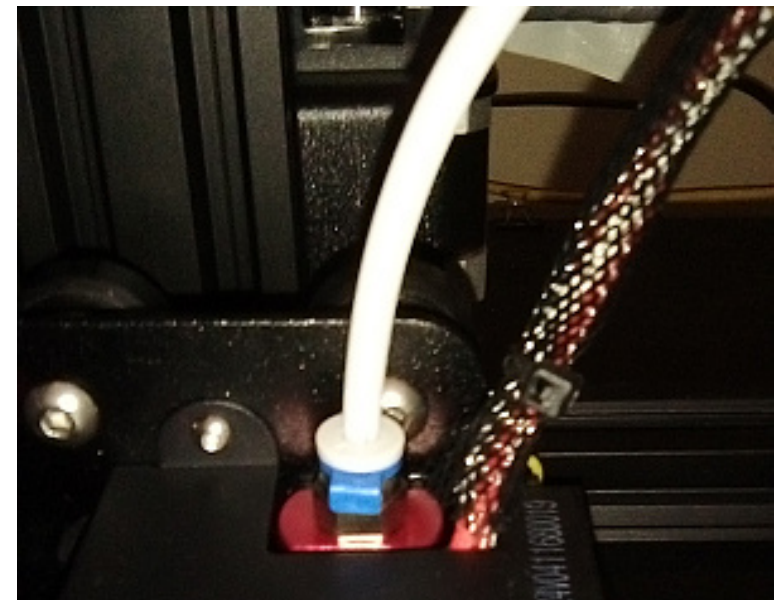


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1st Aug 2020

Printers Revenge!

Training this printer is not going according to plan. I have spoken to it gently. And have now resorted to shouting at it! It's Either me not understanding it. Or it doesn't understand the American language! "I'm going to have to look at the printer settings. And see what language it understands"! LOL! ? Oh, by the way! There's a clip no one has mentioned! "It's the Blue Clip in the photo" It's used to clip onto the Extruder hose connector! It's used to prevent the hose from pulling out! This is used on both ends of the hose! "Filament Guide Tube"! And it's not mentioned in the instructions. And it's not mentioned on the setup video either! Also the Filament has been braking. I'm assuming it's old stock! Have any of you guys experienced this problem? Or am I just the lucky one!!!! LOL! I think this is all printers revenge! No, really the printer is getting it's revenge! But, I'll get the last revenge! LOL!?



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6th Aug 2020

A piece of Paper does make a difference!

By a recommendation, I have placed a piece of paper under the bed of the printer! And that made a big difference. When Calibrating the build plate of the printer! See, the bed of the printer tends to bowl downward! So, by placing a piece of paper! Under the build plate. Now the plate is true! And it's not warped! I have calibrated the build plate many times! And now after placing a simple piece of paper! Under the Build plate. My 3D prints come out better printed! Thanks, For the Recommendation to Martin555! It worked just a treat!

15th Aug 2020

Which Bed is Better?

Hi All, I have a question? For any one who has started to do 3D Printing? Well, there is the regular print bed and then there is magnetic and there is also the glass bed! Which is the best to use? I'm using the stock bed! But, I would like to know what you think? Which bed is better?

14th Aug 2020

A Refund!

Breaking Filament! Well, I got in contact with Banggood! Told them how the filament. I had purchased kept on breaking. It would even break two and three times! Anyway they were very understanding! Even offered a refund! So, have received the refund! Will get the money in about three days time! But, in the mean time. Have started to purchase my filament. From other sources!

6th Aug 2020

What Filament?

I have the Creality 3 3D printer! I had purchased 1 roll of Filament from Creality! This roll must be a bit old as the Filament tends to brake very easily! So, I had ordered Filament from another source! But, When trying to use this new Filament. It wouldn't stick to the Hot Bed! So, I've emailed that company about it's Filament not sticking to the Hot Bed! Oh, I had to order some more Filament from Creality! I recommend sticking to the name brand of Filament! Because when you deviate from brands. You tend to pay for it!

10th Aug 2020

Filament Temperatures!

I've only been tinkering with this 3D Printer now for about 3-4 week now! There is a lot to learn! There's also a lot to do! It's not just Plug and Play! The extruder (Nozzle) needs to be at the right temp! It has to be a 200 degrees Celsius! Now the build bed is at 50 degrees Celsius! But, I've learned to raise the build bed temp to 55 degrees Celsius! Some PLA's (Plastic) Act differently! Oh, When you purchase your PLA. Look at the reel! It may have the recommended temp written on it! I was discussing with Martin555. What is the CR in CR-PLA or What is MH in MH-PLA! Martin figured out it's like a branding of the Filaments! CR-PLA is actually (Creality) PLA! Like MH-PLA is (MatterHackers) PLA But, not all PLA's are branded! I think!



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10th Aug 2020

Nano Polymer Adhesive!

As you use your 3D printer. You may notice that sometimes. What you are printing. Doesn't stick to the build plate! I saw this happen with a figure I was trying to print! I was told I could use Hairspray! You take the Hairspray and spray the build plate with it! So, I went out and purchased some Hairspray! And yes, I sprayed the build plate twice! I let it dry between coats! I started a print, and it failed miserably! So, I did a Google search? And found (Nano Polymer Adhesive)! It's expensive But, does the job! I spread some as directed! Onto the Build plate! Let it dry for about 2 minutes! Started my print and it worked! The Printed figure stayed on the build plate! So, this Nano Polymer Adhesive does work! I recommend it!



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