

Sovol SV08 first layer test 350x350x0.2



AWSW

[VIEW IN BROWSER](#)

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Summary

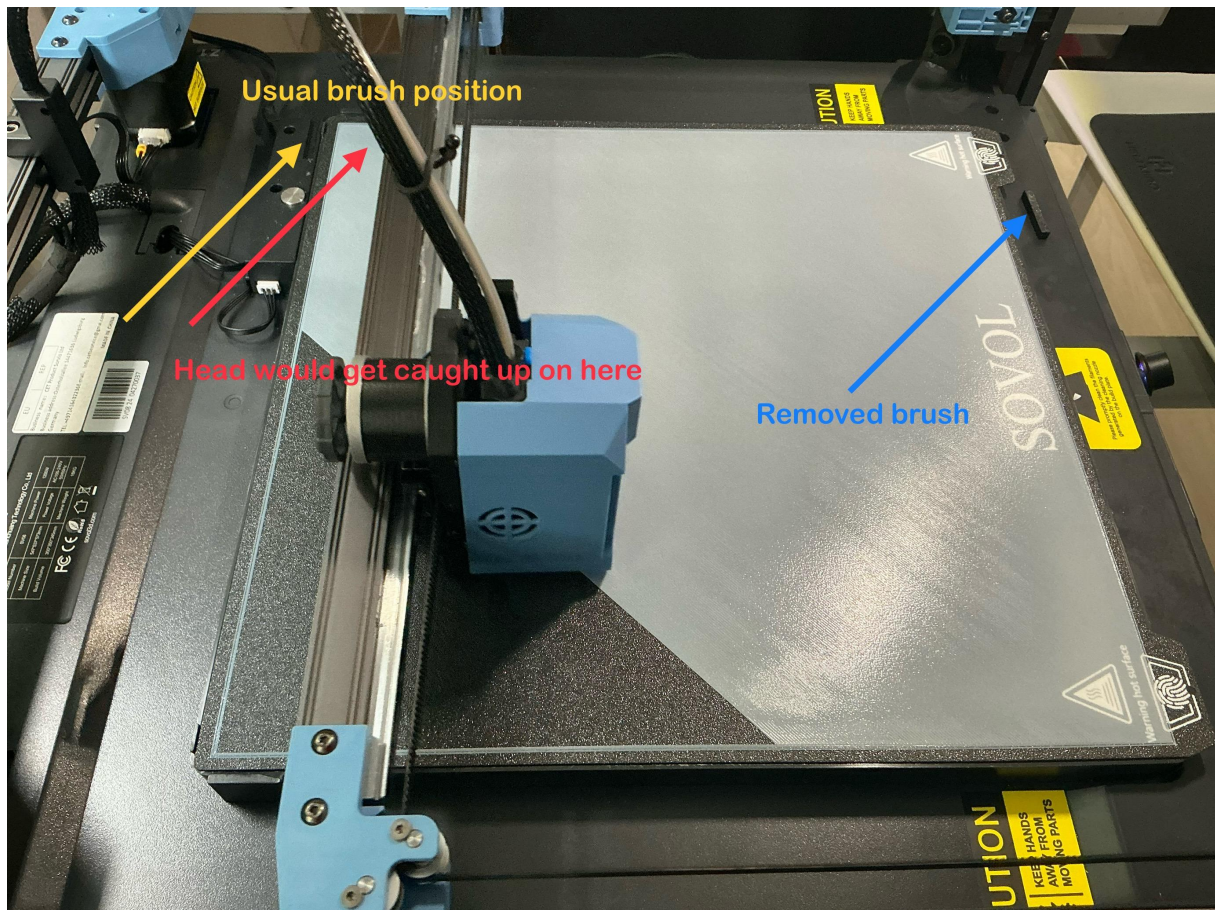
Sovol SV08 first layer test 350x350x0.2

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Sovol SV08 first layer test 350x350mm using the complete print bed and a single 0.2mm layer. With that you can really see if your 1st layer is OK. =)

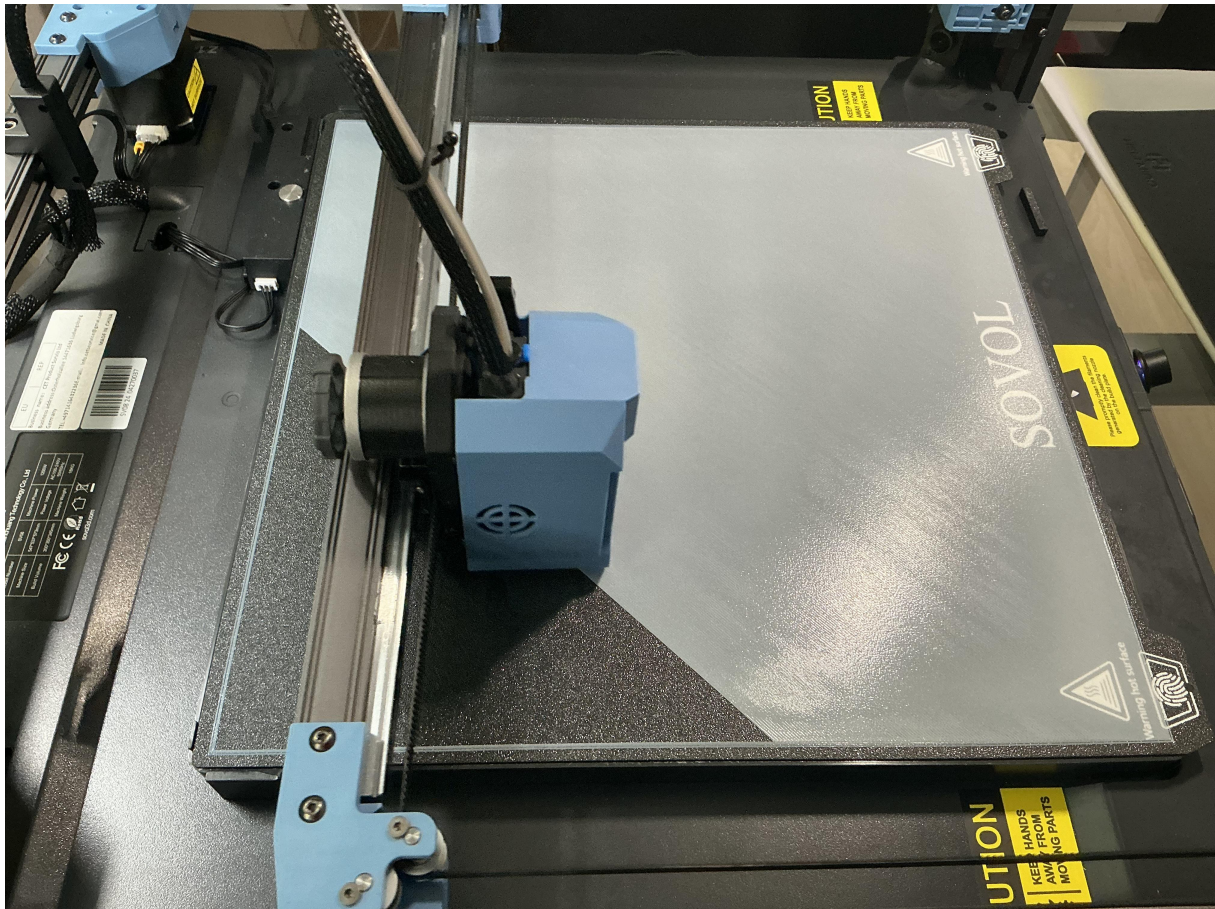
IMPORTANT NOTE: You will need to remove the silicon brush (blue arrow) in the upper right corner (yellow arrow) to be able to print this. The print head otherwise will get caught on the brush and the print will not stick in the upper right corner marked with the red arrow. I had this on my first prints with a 345x345mm model i tested.



What i did was:

1. Remove the silicon brush as shown in the picture above
2. Turn the machine on
3. Quad gantry level by the printers little display, not in Klipper
4. Level Z-Offset by the printers little display, not in Klipper. I had to +0.015 my print head
5. Start Klipper and then use:
 1. Quad gantry level
 2. Auto home with the print head then sitting 10mm above the bed (as it thinks)
 3. Put a small piece of paper in the middle under the nozzle
 4. Lowering the Z height to 0 via Klipper
 5. The head (in my case) got caught by the paper and so was to low
 6. Raised the Z height via Klipper in +0.005 steps until the paper got lose
 7. Raised the Z height until the paper barely touched the nozzle still a bit
 8. Used then "Safe & Restart" to set the new height
6. Printed the attached print and checked the results.
7. Repeated the steps until i was happy with the 1st layer.
8. Enjoy =)

After 2-3 rounds of tuning my Z-Offset in Klipper i am pretty happy with the result:



Note: The picture was taken with a previous tested print test with 345x345mm size. You can download the 350x350mm variant here to use the maximum of the bed. =)

I got some messages asking what I do on the next print after restarting the printer:

1. Clean the complete build plate with Isopropyl alcohol to remove dust & fingerprints.
2. Turn the machine on.
3. Use the „Load filament“ function on the small display.
4. Turn on my laptop or use my iPad and start into Klipper.
5. Let the build plate heat up to 65°C (for e.g. PLA) some (10-15) minutes.
6. Use the „QGL“ button.
7. Use the „Auto Home“ button.
8. Slice the new model between steps 5-7 and upload the GCode and print It.
9. Wait until the print is finished.
10. Unload the filament (if you don't want to continue to print directly)

11. Wait (45-60 minutes) until the build plate is cold before you remove the printed parts. Turn of the machine...

Hope to help =)

Print instructions:

- I used PLA
- 0.2 speed profile
- Brim set to OFF. Otherwise the print does not fit on the bed.
- When printing starts, directly remove the prime line to avoid issues with the size later.

Happy printing =)

Model files

sovol-sv08-1st-layer-test-350x350x02.3mf

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