

CR-10S Titan Aero Fan Holder



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updated 12. 4. 2022 | published 18. 10. 2019

Summary

This is a remix of CNC Kitchens part cooling fan holder of his Titan Aero mount for the CR-10 which mounts to the...

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This is a remix of CNC Kitchens part cooling fan holder of his Titan Aero mount for the CR-10 which mounts to the stepper motor. I wanted to use a full size NEMA17 (in my case the LDO model used on Prusa machines). So I had to extend the mount and I added some stand offs which go into the holes on the extruder vacated by the screws. I'm running a CR-10S with a Titan Aero and Volcano heater block and my final configuration consisted of the following parts.

- [Titan Aero CR-10 Mount by CNC Kitchen](#)
- [Titan Aero CR-10 Volcano Fan Shroud by CNC Kitchen](#)
- [Volcano Z Endstop Spacer by CNC Kitchen](#)
- Remixed fan mount from this Thing
- PTFE holder from this Thing
- Cable holder from this Thing

I removed two M3x30mm screws from my LDO NEMA17 stepper and replaced them with M3x35mm screws. I also needed to replace one of the Aero screws with a M3x35mm screw. The PTFE holder is designed

to take hot press metal inserts which can be installed with a soldering iron, after which M3x10mm screws can be fed in through the cable holder from the bottom. I am using a Festo PTFE coupler with an M5 thread and tapped the hole on the PTFE holder. A short length of PTFE can be feed in from the back to guide filament all the way to the coupler. The cable holder takes 2x1mm zip ties.

Print instructions Licence: Creative Commons - Attribution - Share Alike Category: 3D Printer Accessories Print Settings

Printer Brand: Prusa

Printer: I3 MK3S

Rafts: No

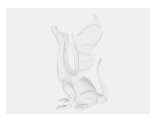
Supports: Yes

Resolution: 0.2mm

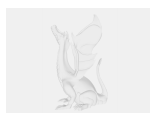
Notes:

All parts for my setup were printed in Fillamentum ASA at 0.2mm. I used supports on the fan holder, the PTFE holder and cable holder were printed standing on the bed to avoid supports.

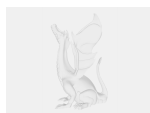
Model files



cr10s_aero_fan_holder.step



cr10s_ptfe_holder.step



cr10s_cable_holder.step



cr10s_cable_holder.stl



cr10s_ptfe_holder.stl



cr10s_aero_fan_holder.stl

[Find source .stl files on Thingiverse.com](#)

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