



VzBot 330 Chamber Heating Bed Fans 4020



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Summary

These will help heat up your chamber by using 4020 fans to circulate air underneath the bed heater element.

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These will help heat up your chamber by using 4020 fans to circulate air underneath the bed's heater element. I was able to achieve a 57 degree chamber temp in less than 30 minutes of soak time in an enclosure that was not well insulated. I've experienced no issues with the fans getting too hot etc. and the setup seems to be working very well.

I recommend printing these parts in ABS, ASA, PC, or possibly Nylon-CF.

- 0.25 layer height
- If you print the Recessed version, I recommend Normal supports on Snug setting
- M3x25 Hex screws x8
- M3 nuts x8

Wire the fans in parallel - red to red, black to black, then output them to a JST-XH 2.54 plug connected to one of the 24v fan slots on your motherboard.

This configuration section below will trigger the fans to come on anytime the bed is over 65 degrees (or turned on for that temperature). This helps avoid too much heat when printing PLA for example. Adjust the settings to your liking. You can also choose to turn them on/off manually or via your START/END print macros. But this is how I chose to do it myself.

Please feel welcome to post comments/feedback/suggestions/questions!

```
[heater_fan Chamber_Heater]
pin: PA2 ;Change this to the correct pin for your setup
max_power: 1.0
kick_start_time: 0.5
heater: heater_bed
heater_temp: 65.0
```

Model files



vzbot-330-bed-fan-mount-quad-4020-recessed.stl



vzbot-330-bed-fan-mount-quad-4020-flat.stl



vzbot-330-bed-fan-mount-dual-4020-recessed.stl



vzbot-330-bed-fan-mount-dual-4020-flat-mount.stl



vzbot-cnc-bed-clamp_x2.stl

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