



Exhaust Fan Housing With Filter



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[VIEW IN BROWSER](#)

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Summary

Exhaust Fan for filtering fumes such as solder fumes or air brush fumes.

[Hobby & Makers](#) > [Electronics](#)

Tags: [fan](#) [fumeextractor](#) [exhaustfan](#) [solderfumeextractor](#)
[airbrushing](#)

UPDATE 5-25-2022 The two upper screw holes do not line up, I just snipped off the part the wasn't lining up since they really aren't needed since the fan is well secured on the base. I do not plan to fix this alignment issue since I'm ok with how it ended up and don't want to waste filament on test prints to validate my changes. If this bothers anyone and want to test print the changes to confirm alignment let me know in the comments. Otherwise be aware that there is a misalignment on those 2 screw holes.

UPDATE 5-19-2022 Fix screw hole opening alignments and made the case more rigid.

UPDATE 5-18-2022 I modified the design because i neglected a few parts of the fan in modeling that caused conflicts with the print. File has been updated to reflect the change.

I needed an exhaust fan for soldering and my airbrush, so i designed this case to house an AC Infinity AXIAL 1238 Muffin Fan, Fan Speed Controller,

and filter. In the future i plan to add a fan duct attachment, but its still shipping and thus i don't have the dimensions yet.

Controller - https://www.amazon.com/gp/product/B00809BQZG/ref=ppx_yo_dt_b_asin_image_o00_s00?ie=UTF8&psc=1

Fan - https://www.amazon.com/gp/product/B009OWRMZ6/ref=ppx_yo_dt_b_asin_image_o00_s00?ie=UTF8&psc=1

Future Duct - https://www.amazon.com/gp/product/B01LXZ8EUG/ref=ppx_yo_dt_b_asin_image_o01_s00?ie=UTF8&psc=1

Model files

exhaust-fan-housing-with-filter.stl

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