



Mini USB Fume Extractor



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Summary

Build a mini solder fume extractor! Plug into any 5V USB battery. Keep the air clean with a carbon filter.

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Build a mini solder fume extractor! Plug into any 5V USB battery. Keep the air clean with a carbon filter. Easily snap fits open for easy filter replacements. Compatible with GoPro style mounts for setting up on tripod or magic arm. Parts can be 3D printed without any support material!

Learn Guide:

<https://learn.adafruit.com/simple-mini-fume-extractor/>

YouTube:

Fusion 360 Source:

<https://a360.co/2TwWIXs>

Carbon Filter

<https://www.adafruit.com/product/3836>

5V DC Fan – Digikey

<https://www.digikey.com/product-detail/en/cui-devices/CFM-5010-03-10/102-4012-ND/6194920>

5V DC Fan – Amazon

<https://amzn.to/2ZFw1UI>

2200mAh USB Battery

<https://www.adafruit.com/product/1959>

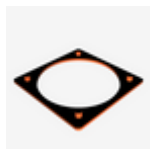
10-wire silicone ribbon cable

<https://www.adafruit.com/product/3890>

USB Connector

<https://www.adafruit.com/product/1387>

Model files



fan-plate.stl



back-cover.stl



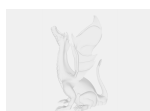
fan-cover.stl



fan-box.stl



base.stl



fume-extractor.step

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