



Soldering combo stand



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Summary

When you soldering, it is nice to have the most important things at hand.

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When soldering, it is nice to have the most important things at hand. I have created a custom solution that meets my requirements.

I have tested the stand for TS-100 and Pine64 pens. It is likely that many others will also work, but I have not verified that. In another case, it is possible to drill the M12 nut to a different diameter.

Soldering pen stand, tip cleaning, storage space for tips, tweezers and Omnifixo.

In addition is possible to store in the stand spare nibs, an alen key for nibs, a bowl with brass cleaning wool for nibs with a diameter of 66 mm or replace it with a cleaning sponge. Which one prefers. Also the full set of Omnifixo and other bits and pieces. For simple operations with two terminals, there is no need to remove them from the stand and start soldering immediately.

For production, you will need 1x M12 nut, which you first drill to a diameter of 12mm and then cut through for easier handling with the pen.
Two short M4 screws, washers and nuts.

the model can be printed from common materials PLA, ABS, PETG, etc.
I printed it from PLA and it works great, there is no any thermal load.
It is possible to print with a 0.4 or 0.6 mm nozzle. Using a layer height of 0.3mm is sufficient.

As a bonus, you can print or laser burn a voronoi coil holder with solder tin.
You only need an aluminum tube with a diameter of 8 mm and four M3 pipes and four M3 square nuts.

Model files



soldering_support.stl



central_plate.stl



cap.stl



voronoi-side-plate.stl

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