



# Soldering iron Staion with Helping Hands

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updated 28. 1. 2024 | published 28. 1. 2024

## Summary

Staion with helping hands and holder for soldering tips, threaded insert melting aids and solder spool holder.

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I have designed a soldering station in which I have space for a sponge, a brass tip cleaning sponge, soldering tips, solder and the melting aids from Ruthex.

In order to store the soldering iron safely, I took the holder from a cheap soldering iron and screwed it into the plate.

The thread insert melting aids [https://www.amazon.de/dp/B0CDBSGSXY?psc=1&ref=ppx\\_yo2ov\\_dt\\_b\\_product\\_details](https://www.amazon.de/dp/B0CDBSGSXY?psc=1&ref=ppx_yo2ov_dt_b_product_details) from Ruthex all have their own organized and labeled place from M8-M2.

I also made a recess for a sponge [https://www.amazon.de/gp/product/B0022SSZ64/ref=ppx\\_yo\\_dt\\_b\\_asin\\_title\\_o00\\_s00?ie=UTF8&psc=1](https://www.amazon.de/gp/product/B0022SSZ64/ref=ppx_yo_dt_b_asin_title_o00_s00?ie=UTF8&psc=1), brass tip cleaning ball [https://www.amazon.de/dp/B09S6D7ZTX?ref=ppx\\_yo2ov\\_dt\\_b\\_product\\_details&th=1](https://www.amazon.de/dp/B09S6D7ZTX?ref=ppx_yo2ov_dt_b_product_details&th=1) and six soldering tips of size T18.

Afterwards I wanted to make a removable holder for a solder coil, but then I changed my mind and installed it permanently.

Maybe I'll make another removable version.

In the end I wanted to add a few helping hands and stumbled across this great project <https://www.printables.com/de/model/7927-locking-ball-and-socket-arm> from [https://www.printables.com/de/@AlexR\\_29889](https://www.printables.com/de/@AlexR_29889).

Also habe ich noch zwei ball mounts für die helfenden Hände eingefügt, ich habe auch getestet ob sie passten und das tun sie.

However, I'm not finished printing all the links yet, so I'll post an update photo of the project when everything is finished.

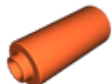
I didn't print the coil holder because I still have one from my actual soldering station, but I simply copied the dimensions and attached it as an STL.

## Model files

**soldering-iron-staion.stl**



**tin-spool-holder.stl**



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