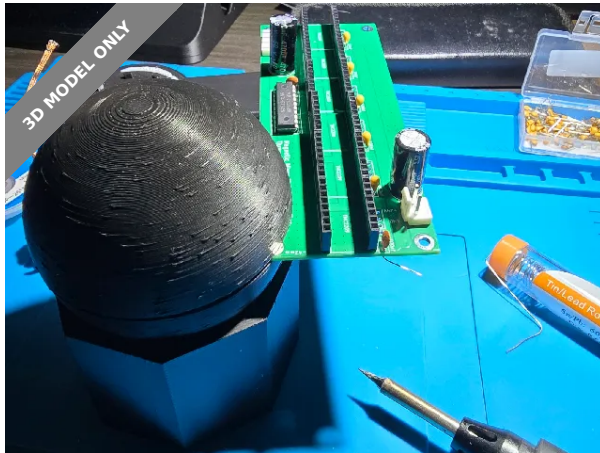




(Parametric) Spherical Soldering Stand



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[VIEW IN BROWSER](#)

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Summary

A simple soldering stand that can position a PCB in any position.

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This spherical soldering stand and base lets you rotate the PCB easily without using alligator clamps and helping hands. The ball is the size of a baseball and comes in two halves. You can sandwich the PCB between the two hemispheres and position it at any angle while soldering. I especially like this design because I can easily flip the entire ball and PCB 180 degrees to insert more components or fine-tune the exact position for easy soldering.

The stand and each hemisphere are hollow, so you can easily fill them with weight. Adding weight helps the entire fixture stay stationary while you work. Here is the weight I used:

<https://a.co/d/0eO6oD1d>

Model files



base-insert.step



wrench.step



base.step



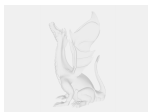
hemisphere.step



screw.step



hemisphere-insert.step



soldering-stand.fcstd

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