



Cutlery Tree



LoboCNC

[VIEW IN BROWSER](#)

updated 15. 1. 2024 | published 15. 1. 2024

Summary

Organization is overrated.

[Household](#) > [Kitchen](#)

Tags: [cutleryholder](#)

You own 4 spoons, 5 forks and 3 knives, and you aren't about to waste your time keeping them sorted into little bins. But then, your significant other always winces when they see them heaped in your makeshift cardboard box. The solution? This magnetic cutlery tree lets you slap your silverware any which-way and it'll still turn heads. It also acts as a drying rack!

As you may have guessed, the “tree” part is actually organic supports that hold up little magnet pockets (12mm dia. x 3mm thick magnets). Getting the slicer to actually create a tree shape took a bit of doing. Firstly, I had to create a phantom constrain cone to force the slicer to create a single trunk that branched out nicely. I then set the cone parameters (0 perimeters, 0 top & bottom layers, 0 infill) so that the cone itself didn't actually print. Then there was a bunch of fine tuning of angles, interface layers, and painting of support enforcers and support blockers to get it to print properly. I highly recommend starting with the 3MF files provided. (Note: I actually printed this on my Bambu P1P as it wouldn't fit on my

Mini+, but I created what I believe is are Prusa 3MF files with equivalent settings for an MK3S printer.)

You'll need to print both the tree and the base and then glue the tree to the base with some superglue. (There's no real way to design any attachment features into the organic supports.) And finally, you'll need to glue in 17 of the 12mm dia. x 3mm thick magnets into the pockets.

Model files



cutlerytreestl-prusa.3mf



cutlerytree-base-prusa.3mf



cutlerytree.stl



cutlerytree-base.stl

License

This work is licensed under a
[Creative Commons \(4.0 International License\)](https://creativecommons.org/licenses/by-sa/4.0/)



Attribution-ShareAlike

- ✗ | Sharing without ATTRIBUTION
- ✓ | Remix Culture allowed
- ✓ | Commercial Use

- ✓ | Free Cultural Works
- ✓ | Meets Open Definition