



Toothpick Gun (Compliant mechanism)



Thisfact

[VIEW IN BROWSER](#)

updated 25. 4. 2025 | published 25. 4. 2025

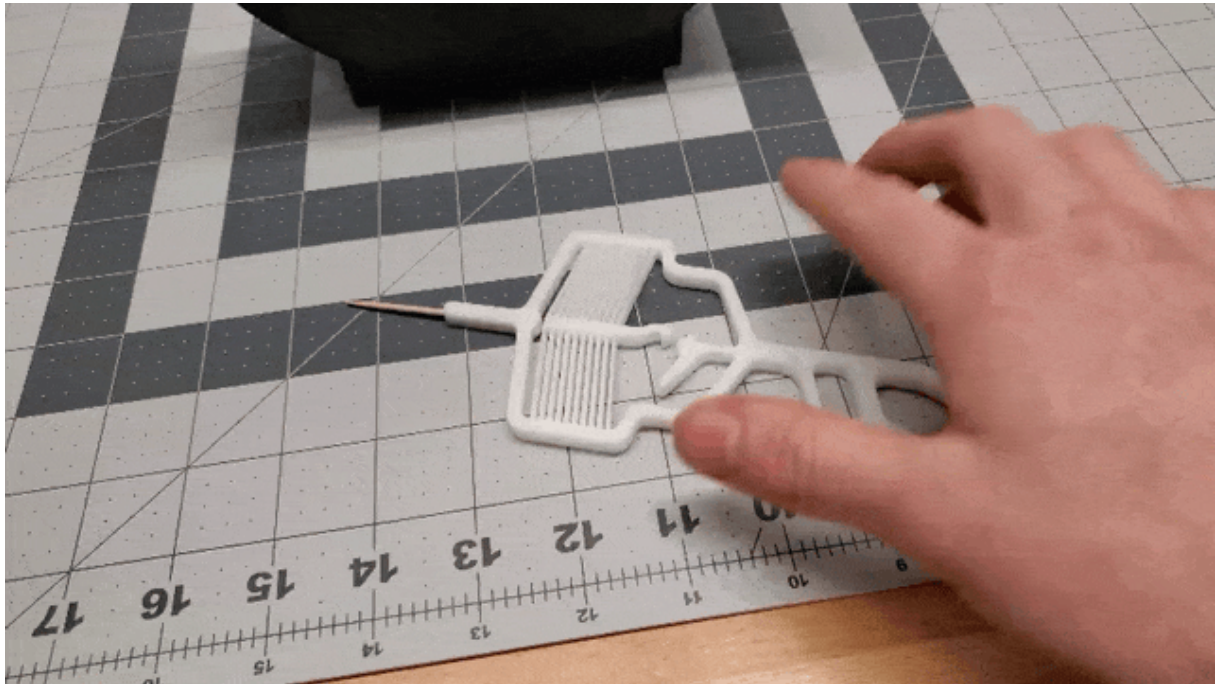
Summary

Compliant mechanism toothpick gun that can shoot out a toothpick.

[Gadgets](#) > [Other Gadgets](#)

Tags: [toy](#) [fdtgettoy](#) [spring](#) [springloaded](#) [fun](#) [gun](#)
[shotgun](#) [toothpick](#) [compliant](#) [kitchentool](#) [sniper](#) [thrower](#)
[compliantmechanism](#) [compliantmechanisms](#) [finger](#) [kitcard](#)
[toothpickdispenser](#)

Toothpick gun thing:



Why? :

This is another one of those projects I've been meaning to complete for some time, similarly to my other [print-in-place rubber band gun](#). This one features a straightforward design, it has a special compliant mechanism that launches toothpicks when the trigger is activated.

Versions explained :

The V1 is basically just the first iteration of the model, not refined or the best of the best, the S for the other one stands for "strong" meaning its compliant mechanism is stronger and can shoot further.

The V1R is basically the final version of this model, it has been refined to be more comfortable to hold and shoot, it is a bit more solid when being used and can shoot further. The S in the other variant of this stands for the same thing as before, which is "strong".

Model inspiration : [Versatile 3D Crossbow Model by Uhlimate](#)

Printing *Suggestions*



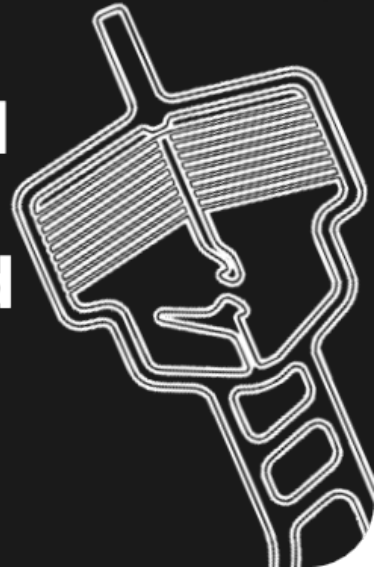
• 50% - 100% infill



• **PETG** suggested



• 0.4mm nozzle



Print disclaimer.



Please do not ever point this launcher towards your face or someone else's face. The trigger mechanism can sometimes be prone to trigger by itself if shaken too much

Commercial use :

Want to use it for commercial purposes? Sure, I allow it as long as you credit me as the creator.

Model files



Version 1 Refined (Normal&Strong)

2 files



tp_v1r.3mf



tp_v1rs.3mf



Version 1 (Normal&Strong)

2 files



tp_v1.3mf



tp_v1s.3mf

License

This work is licensed under a
Creative Commons (4.0 International License)



- ✗ | Sharing without **ATTRIBUTION**
- ✓ | **Remix Culture** allowed
- ✓ | **Commercial Use**
- ✓ | **Free Cultural Works**
- ✓ | **Meets Open Definition**