



Mini Triaxial Tourbillon

A A26

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Summary

96mm 3-axis tourbillon mechanism that ticks merrily away!

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This is probably just about the smallest triaxial tourbillon mechanism that one can reasonably make with a .4mm nozzle. It's powered by a spring motor at the bottom and fits within a 96mm sphere. The only non-plastic parts are a couple of M3 bolts (somewhere between 4 & 12) and a 1.5mm shaft.

Using one of each of the provided 3mf files total print time is about 22 hours with maybe 1 hour of active assembly time.

See assembly video for build instructions. [3D Printed Mini Triaxial-Tourbillon Assembly - YouTube](#)

See it in action: [3D Printed Mini Triaxial Tourbillon - YouTube](#)

Model files



red.3mf



white.3mf



silver.3mf



bottom-triax22v3.stl



gears-triax22.stl



intermedframec-traix22v2.stl



intermedframea-traix22v2.stl



intermedframeb-traix22v2.stl



outerouterbase-traix22.stl



outeroutertop.stl



outerframev3a-triax22.stl



outerframev3b-triax22.stl



28t-gear.stl



18tcrown-triax22.stl



14tgear-collars-triax22.stl



40tcrown-triax22.stl



bottomcapv2-triax22.stl



ratchet-triax22.stl



postplug-triax22.stl

tourbcarriageframes-triax22.stl



tourbpartsv2-triax22.stl



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