



Printer chamber to filament drier budget solution - Parametric filament driver

 LOCKit3D

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Summary

Drive your filament anywhere from spool to extruder. Made with using printer chamber as a budget filament drier in mind.

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Only additional 2 parts required:

- 12x10 round neodymium magnet
- M3x12mm flat head philips or hex bolt

Use this to drive your filament anywhere from your spool to your extruder. I made this for the idea of using printer chamber with some moisture absorbers as a budget filament drier in mind as it easily heats close to 40°C thus extending filament travel path can theoretically dry it out. Use as many as you need.

- use PETG for more heat resistance and less friction

- 3 perimeters minimum
- 20% infill
- pause and insert magnet (I recommend using a screwdriver tip as it will remove some of that huge snap force to bed)
- insert pulley and tighten in together
- use for example double sided adhesive tape to prevent driver from sliding and you're done

Model files



filament_drier.3mf

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