



Automatic Filament Cutter

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Summary

The filament cutter cuts the last 50mm of filament off the spool to ensure a clean tail enters the extruder and...



6.25 hrs



1 pcs



0.20 mm



0.40 mm



PET



60 g



Prusa
MK3/S/S+

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Tags: [filament](#) [cutter](#) [automatic](#)

The filament cutter cuts the last 50mm of filament off the spool to ensure a clean tail enters the extruder and subsequently retracts cleanly from the extruder whilst required to do so for filament replenishment.

See Loading and Setting

See in action

Print instructions

Rafts:
No

Supports:
No

Resolution:
0.2

Infill:
20%

Filament brand:
Prusament

Filament material:
PETG

Required hardware

- 3 of M3 x 10mm Self tapping screws
- 2 of M3 x 12mm Steel Dowel Pins
- 10 of 20mm x 10mm x 3mm Neodymium Magnets
- 1 of 9mm Stanley Blades
- Optional 4 of gel feet

Adult supervision required for assembly.

Full instructions with pdf and hardware as a kit available from <https://www.thingiverse.com/thing:4738745>

Model files



filament-cutter-lever.stl



filament-cutter-base.stl



filament-cutter-top.stl



filament-cutter-trigger.stl



filament-cutter-main-blade.stl



filament-cutter-static-blade.stl



filament-cutter-stabiliser.stl



filament-cutter-complete.stl

Print files



pretty-petg_filament-cutter-complete.gcode

🌀 PET 🌀 0.40 mm ≡ 0.20 mm ⌚ 6.25 hrs ⚖️ 60 g 🖨️ Prusa MK3/S/S+

[Find source .stl files on Thingiverse.com](#)

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