



Fruit/Citrus Juicer



pyxlz

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Summary

A citrus juicer that feeds directly into a water or soda bottle.



10.31 hrs



1 pcs



0.20 mm



0.40 mm



PET



107 g



Prusa
MK3/S/S+

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

Tags: [fruit](#) [juice](#) [citrus](#) [citrusjuicer](#) [citruspress](#) [lemon](#)

You can screw this on the top of a PET bottle and when you use it, the juice will flow right into the bottle.

- fits PCO1881 type bottles (like diet coke).

Settings:

- any filament should work, but PETG, or another foodsafe and strong-ish material. PETG also holds up to temperatures better, so it should be fine in a dishwasher, although that I have not tested
- do not use supports- this model is printable without supports. Adding supports will only increase the possibility of plastic scraps getting in your juice, and I don't think many people enjoy drinking plastic

- REMOVE ALL STRINGING! You may also want to fine tune your retraction settings to prevent excess stringing. This also will only increase the possibility of plastic scraps in your juice
- higher infill and more perimeters may be helpful, especially if you are using a weaker material. You do not want your juicer breaking when making juice.
- $\approx 0.2\text{mm}$ layer height

The gcode provided uses my settings for PETG, on a Prusa i3MKS+

This was my first model designed from scratch, using Fusion360, hope you enjoy :).

Model files









citrus-juicer.stl

Print files



citrus_02mm_petg_mk3s_10h19m.gcode

 PET
  0.40 mm
  0.20 mm
  10.31 hrs
  107 g
  Prusa MK3/S/S+

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