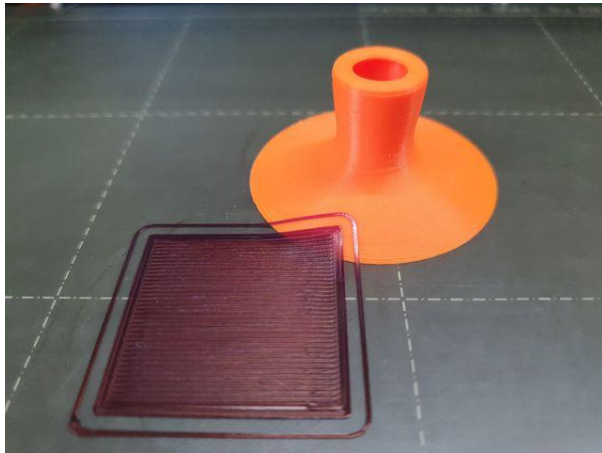




Thin layers scraper (tiny+ergonomic)



SH

[VIEW IN BROWSER](#)

updated 6. 9. 2023 | published 6. 9. 2023

Summary

Round shape is by far the best for removing thin layers with minimal filament consumption. This one is ergonomic.



0.28 hrs



5 pcs



0.20 mm



0.40 mm



PLA



4 g



Prusa
MK3/S/S+

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Tags: [tool](#) [rounded](#) [accessory](#) [round](#) [scraper](#) [spatula](#)
[3dprint](#) [ergonomic](#) [3dprintaccessories](#) [scrapertool](#)
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UPDATE 3.1.2023:

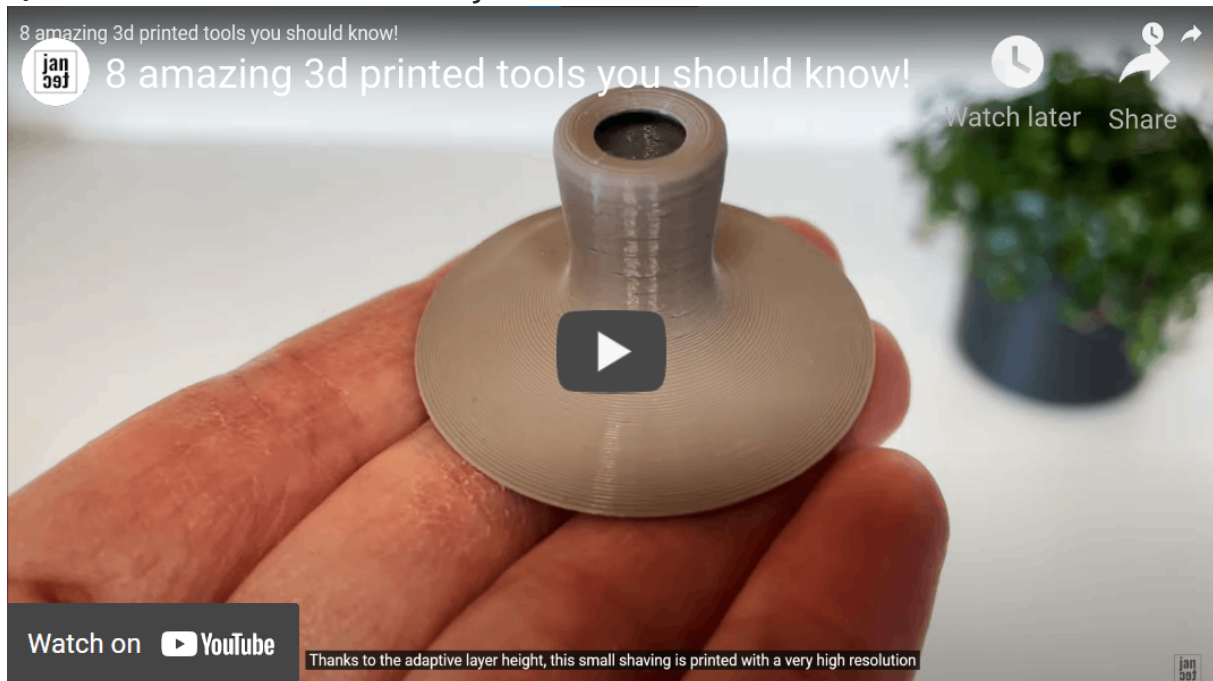
- added V2 version with different inner shaping → same external size & characteristics, quicker print

Info:

- round edge → longer edge → scraper lasts longer then other spatula types scrapers
 - if it is less sharp on one side, you can just use the other side
- **ergonomic pleasant holding**
- **easier pressing against the plate** (comparing to spatula type scrapers)
 - with spatula it is hard to press on one segment of the edge, with round shape it is easy
- **much smaller filament consumption** (comparing to spatula type scrapers)
- **with hole, so it can be hanged**

With this you will remove every thin layer super-easily!

Quick review in a video from JanTec:



TIP: If the handle part is too low for you → you can try **TALL edition** of this model: <https://www.printables.com/model/341401-round-scraper-tall-edition>

Print info:

- material:
 - PLA or anything hard (but people are using PETG as well)
- layers:
 - a lot of people just use 0.2mm and are happy with it

- but you can use variable layer height for finer results (down to 0.07mm where needed -bottom and top part) → see 3mf/gcode example
- TIP: use skirt of 1 layer height for immediate test :)

How to remove it from the plate after printing:

- metal removable plate:
 - just take the plate away from printer and bend it - model will be removed by itself
- glass plate (non removable):
 - well you may have little problem, people are solving it by putting some tool in the hole in the print (like a wrench) and by some force they pull it off

Inspiration:

- i was using for a long time this rounded **scraper** from BaGoon
 - I was happy with it, because given shape is by far the best for removing any thin layer of printed object
 - BUT it was uncomfortable to hold it, sometimes even painful (too small sharp holds)

Happy scraping!

Model files



round_scraper_v2.stl



round_scraper_v2.3mf

☐ sample with variable layer height down to 0.07mm where most important

Print files



round_scraper_v2_04n_02mm-variableheight_pla_mk4is_... .gcode

⚙️ PLA ⚙️ 0.40 mm ⚙️ 0.20 mm ⌚ 0.32 hrs ⚖️ 3 g 🖨️ Prusa MK4

☐ finer layering (variable layer height for nicer results), Input Shaper



round_scraper_v2_04n_02mm-variableheight_pla_mk4_31m .gcode

⚙️ PLA ⚙️ 0.40 mm ⚙️ 0.20 mm ⌚ 0.51 hrs ⚖️ 4 g 🖨️ Prusa MK4

☐ finer layering (variable layer height for nicer results)



round_scraper_v2_02mm-variableheight_pla_mk3s_47m.gcode

⚙️ PLA ⚙️ 0.40 mm ⚙️ 0.20 mm ⌚ 0.79 hrs ⚖️ 4 g 🖨️ Prusa MK3/S/S+

☐ finer layering (variable layer height for nicer results)



round_scraper_v2_02mm_pla_mk3s_33m.gcode

⚙️ PLA ⚙️ 0.40 mm ⚙️ 0.20 mm ⌚ 0.55 hrs ⚖️ 4 g 🖨️ Prusa MK3/S/S+

☐ 0.2mm layers everywhere



360scraper_v2_04n_02mm_pla_mk4is_17m.gcode

⚙️ PLA ⚙️ 0.40 mm ⚙️ 0.20 mm ⌚ 0.28 hrs ⚖️ 4 g 🖨️ Prusa MK4

☐ 0.2mm layers everywhere, Input Shaper

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