



Toothpaste NX-Truder



Printium 3D

[VIEW IN BROWSER](#)

updated 2. 8. 2023 | published 2. 8. 2023

Summary

Indexing toothpaste tube roll up tool.



3.87 hrs



1 pcs



0.20 mm



0.40 mm



PET



34 g



Prusa
MK3/S/S+

[Household](#) > [Bathroom](#)

Tags: [toothpaste](#) [toothbrush](#) [winder](#) [nxtruder](#)

Printing in less than 4 hours, this new half barrel design allows loading from the top with a split crank shaft. This will be easier for most users to load and unload. Its robust design has a solid feel and will easily accept most toothpastes. It has a heavy duty ratchet system that is very satisfying to operate. Designed to last. Print two, mix and match colors. Makes a nice gift too.

We opted to print with Prusament PETG with a .4 nozzle diameter. Layer height is .2 mm set for quality in Prusa Slicer. Infill set to 15%. No supports are needed. (Use an X-acto blade to fully split crank shaft threads if needed. See photos.)

Regards,
-Printium 3D

Acknowledgments; Lukes3D's ratchet design.

Model files



rt-toothpaste-spindle.stl



rt-toothpaste-ratchet.stl



rt-toothpaste-nut.stl



rt-toothpaste-top-cap.stl

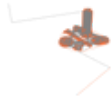


rt-toothpaste-dial.stl



rt-toothpaste-main-body.stl

Print files



rt-tooth-paste-tool_02mm_petg_mk3s_3h52m.gcode

PET 0.40 mm 0.20 mm 3.87 hrs 34 g Prusa MK3/S/S+

License



This work is licensed under a
[Creative Commons \(4.0 International License\)](#)

Attribution-NonCommercial

-
- ✗ | Sharing without ATTRIBUTION
 - ✓ | Remix Culture allowed
 - ✗ | Commercial Use
 - ✗ | Free Cultural Works
 - ✗ | Meets Open Definition