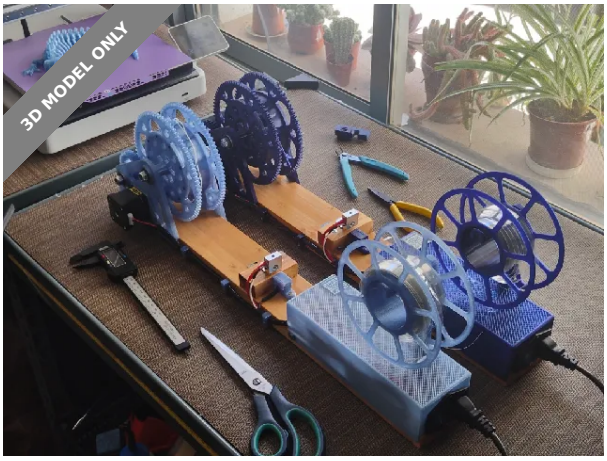


PETALOT PET Filament Machine

function.3d

VIEW IN BROWSER

updated 24. 9. 2026 | published 24. 9. 2026

Summary

PET plastic bottles into filament for 3D printers

3D Printers > Accessories

Tags: bottle pet filament plastic machine petalot

How-to video series: https://www.tiktok.com/@function.3d/playlist/PETALOT%20Build-7340398832935521056

Instruction Manual : https://docs.google.com/document/d/1J9RF3sPK-0WwBR4Ce06RCnpbVmlk7zAESvQx1utmXmc/edit?usp=sharing

Electronics, source code, firmware: https://github.com/function3d/petalot

Bill of material: https://function3d.xyz/bom/

Cutter: https://makerworld.com/en/models/190890-bottle-cutter-variable-cutting-guide-no-blades

Filament Splicing Jig: https://makerworld.com/en/models/190910-filament-splicing-jig-reremix

Buy a ready-made: https://function3d.xyz/shop/

May 7 2026: Updated Electronic Box, body1, motor spacer. No longer need threaded inserts, but rather these screws, M3 8mm https://s.click.aliexpress.com/e/_c38WdOKJ

May 21 2026: https://makerworld.com/en/models/190886-petalot-plastic-bottles-into-3d-filament#profileId-2108357

Model files



a1_petalot.3mf



orca_petalot.3mf

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