

Vase Mode parametric gridfinity



Francesco Iannone

[VIEW IN BROWSER](#)

updated 24. 11. 2022 | published 24. 11. 2022

Summary

Parametric gridfinity bin printed in vase mode with a twist

[Hobby & Makers](#) > [Organizers](#)

Tags: [vasemode](#) [organization](#) [bin](#) [gridfinity](#)

BASIC INFORMATION

This part is meant to be printed in 2 halves (base → top) that are printed consecutively one on top of each other. Otherwise if you can't/won't bother to do this, the two parts can be glued together.

IMPORTANT: If you opted for printing consecutively one on top of each other the two parts, THE TOP GCODE MUST BE OFFSETED BY THE BASE HEIGHT which should be 5.25 mm.

Recommended slicer settings

Top

- Vase mode
- 2 bottom layer

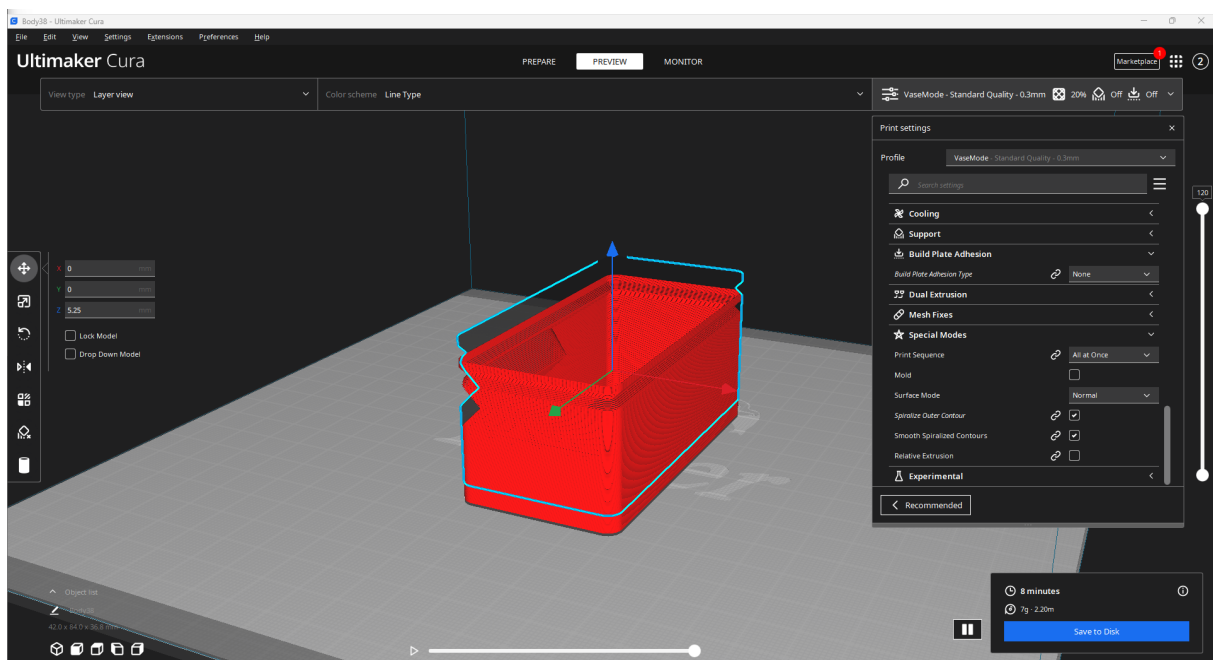
Base

- 1 top layer
- $\leq 20\%$ infill
- ≥ 2 walls

Offsetting the top body GCODE

During the creation of this project I stumbled on a bug:

In CURA (I don't know if other slicers do the same) trying to offset an .stl sliced in vase mode doesn't work as expected:



FIX

For this reason I created a decent tool that can offset on a wanted axis a GCODE for an amount of millimeters.

Everything is explained better in the GitHub repository that I created, including the source code!

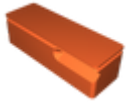
GCODE mover

Model files



3xN

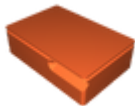
8 files



3x1_top.stl



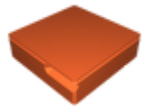
3x1_base.stl



3x2_top.stl



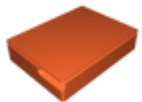
3x2_base.stl



3x3_top.stl



3x3_base.stl



3x4_top.stl

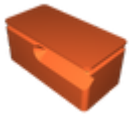


3x4_base.stl



2xN

8 files



2x1_top.stl



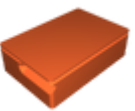
2x1_base.stl



2x2_top.stl



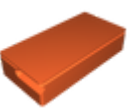
2x2_base.stl



2x3_top.stl



2x3_base.stl



2x4_top.stl



2x4_base.stl



1xN

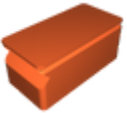
8 files



1x1_top.stl



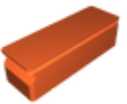
1x1_base.stl



1x2_top.stl



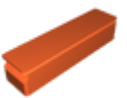
1x2_base.stl



1x3_top.stl



1x3_base.stl



1x4_top.stl



1x4_base.stl

Other files



vasemodegridfinity.zip

License ©

This work is licensed under a
Creative Commons (4.0 International License)



Attribution

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