



r/gridfinity • 5mo ago
hlipnick

GRIPS OpenSCAD File?

Does anyone have the GRIPS .scad file? I've come back to GRIPS in my quest for successful stacked baseplate printing (got it working with standard grids, but really prefer GRIPS)

I have a python script that really neatly splits and stacks the GRIPS pieces, but it would be great to roll the actual generation into it, too, to make it a one stop shop. If anyone knows where I can find it I'd appreciate it. Thanks!



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perplexinglabs • 5mo ago

I've got a copy of an older version on github that was released under the MIT license. It's got some bugs that need to be fixed but it's open, at least.

<https://github.com/jpypi/GRIPS>

Curious what your Python script looks like. Auto splitting and stacking sounds very cool! Is there an STL library you're using to help you do that?



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Award



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hlipnick OP • 5mo ago

Thanks for this. I guess the author opted to make further revisions closed source. Frustrating from an automation standpoint, but I want to respect that choice and will just use the makerworld interface for now.

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helpers got me to a script that works: [Gist: hlipnick/stacked-gridfinity-grids.py](#)

I don't have time to provide a tutorial or anything like that, but essentially the script takes in an STL generated by the GRIPS tool, splits it into component meshes (each 'section' of the grid), then stacks them, the first one 'right-side-up', the rest 'upside-down' to minimize supports needed. The script will separate them by a single layer height (defaults to 0.2mm), and export a stack of x copies (defined by the `--copies` flag.). From there each piece can be brought into the slicer, and I've had good luck printing in PLA and following the suggestions of [Stu142's stacked Gridfinity model](#), namely ironing top surfaces.

Hope it's useful.

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JustinCampbell • 5mo ago

Thanks! I'll try this with my next drawer.

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Gridfinity Generator

Makerworld Generator

Specifications

Catalog of some parts

Clickfinity Base Plate

Lite Ultra Boxes

Ultralight Bases

IKEA Skådis Grid

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