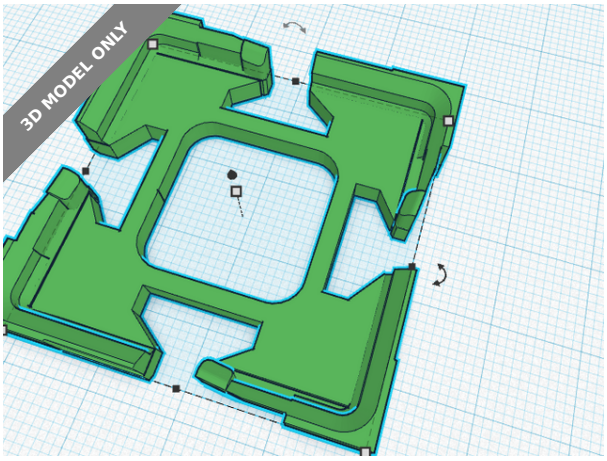


Clickfinity Refined Baseplates for use with Gridfinity (now with STEP files)

FPV Smitty

VIEW IN BROWSER

updated 29. 12. 2023 | published 29. 12. 2023

Summary

Integrating Gridfinity Refined with Clickfinity.

Gadgets > Other Gadgets

Tags: organizer gridfinty clickfinity

Edit: I just found out that @jerrymk_985120 made the OG Clickfinity. That's where all the magic happened. Sorry I didn't acknowledge all your hard work earlier, Jerry. I couldn't have done what you did.

Recently found NoWarrenty's Clickfinity, and while I love the idea, I wanted something a little more solid for the drawers in my tool cabinet. I've been using grizzie17's Gridfinity Refined plates and love the way they can be attached together, so I decided to see if I could combine the two. And after a lot of trial, error, and head scratching, I think I made it work.

11/7/2023 - Finally rebuilt the plate with Fusion 360 and am adding STEP files. All models created from this point on will have the “CFR2” prefix. All my testing so far shows that they are backwards compatible with all the previous models.

I also reworked the wedge connectors to better fit these plates.

I've also added plates to use as a movable base or just make the entire section more solid, along with trim sections if you just want to dress up the edges.

12/12/2023 - Built beefier tray components to add extra weight and allow for a TPU pad on the bottom. Just assemble these into the size tray you want (the biggest you can go on a Bambu plate is 5x5), print it out, then print a simple 4mm high TPU pad to fit in the bottom cutout. Just subtract 1mm on each side to allow it to fit. For example; for a 3x4 tray, 3x42 = 126 and 4x42 = 168, so you will need a 125mm x 137mm pad.

I've added Alignment Squares if you want to include plates into your model. Space the squares 42mm apart to match the size of the plate you are using. Allow 3mm depth and 1mm on the X and Y axis for fitment. Example: if you are using a 3x5 plate measuring 126mmx210mm, have a 127mm x 211mm x 3mm cutout.

I print the plates in PETG. Per the original model details; “Print with PETG, ABS, ASA, or Nylon. **Do not use PLA or PLA+** as these materials creep under constant load, causing the grid to lose its grip over time.”
PLA will work for the trays and trim.

For multicolor printers, I've added 2 large (5X5 and 5X6) baseplates that are actually 2 plates stacked on one another, with a 0.4mm layer separating them. The idea is, you paint the middle layer (which is 0.1mm separated from the two plates) in PLA while the plates themselves are printed in PETG. Use supports, click the box for support on buildplate only, and hope for the best. On my 2X2 test print, one printed great while the other failed. A 5x5 is about as big as the plate will handle, since you need room for the prime tower. If you are adventurous, you can fit a 6X6 on there, but you need to put support blockers alone the side edges to keep the model from having supports on the side. Good luck with that.

I give you Clickfinity Refined. Huge thanks to NoWarrenty, grizzie17, and of course Zack Freedman for the original Gridfinity. This is a result of all of their collective hard work.

This is still a work in progress, so comments, suggestions, and remixes are very much welcomed.

7/8/23 - Added a Kobalt Mini Toolbox plate insert.

8/1/23 - Added Baseplate Trays for looks and portability. Also added trim sections to dress up the sides without having to print out an entire tray.

8/13/23 - Added Preds Gridfinity Storage Box base modified to accept Clickfinity Refined baseplates. You will need to print out the rest of the hardware from his posting. (These are for the newer, parametric models)

8/17/23 - Fixed the corner issue in the Preds box; thanks to **@gniticxe** for pointing out my error.

8/23/23 - Fixed Preds box models after discovering a height issue. Added Alignment Squares.

11/7/2023 - Rebuilt the base from scratch with Fusion 360, adding STEP files.

12/12/2023 - Added components for a beefed up tray system to allow you to build your own size tray.

12/29/23 - Added stacked models to print out 2 5X5 or 5X6 trays at once.

This remix is based on

Gridfinity Clickfinity Baseplate - No magnets, universally compatible with all bins, minimal filament usage.

by NoWarrenty

Model files

cfr-base-1x1.stl

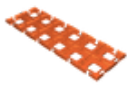
cfr-base-1x3.stl

cfr-base-1x4.stl

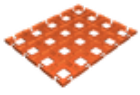
cfr-base-3x2.stl

cfr-base-1x7.stl

cfr-base-2x2.stl



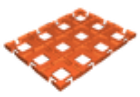
cfr-base-2x6.stl



cfr-base-4x5.stl

cfr-base-1x2.stl

cfr-base-3x3.stl



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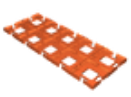
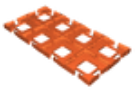


cfr-base-2x5.stl

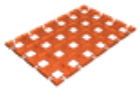
cfr-base-2x7.stl

cfr-base-1x5.stl

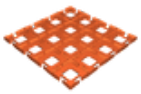


cfr-base-2x4.stl

cfr-base-1x6.stl



cfr-base-4x6.stl



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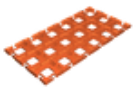

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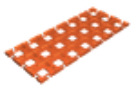
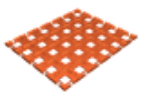
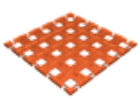


cfr-base-3x7.stl

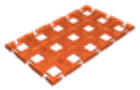


cfr-base-5x6.stl

cfr-base.stl



cfr-base-5x5.stl



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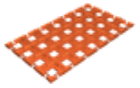
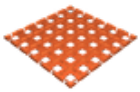
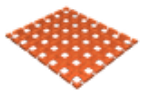


cfr-base-4x7.stl



cfr-base-6x6.stl



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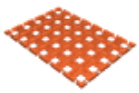
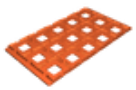
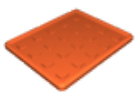


cfr-base-5x7.stl

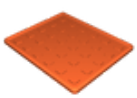
cfr-plate-to-plate.stl



kolbalt-mini-toolbox-cf-plate.stl



cfr-tray-4x5.stl



cfr-tray-6x5.stl

cfr-tray-4x4.stl

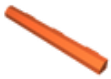
cfr-tray-5x5.stl

cfr-outside-corner-trim.stl

cfr-inside-corner-trim.stl

cfr-trim-x1.stl

cfr-trim-x2.stl



cfr-trim-x3.stl

cfr-trim-x4.stl

cfr-trim-x5.stl

cfr-trim-x6.stl

alignment-squares.stl

cfr2-1x1.step

cfr2-1x1.stl

tray-side.step

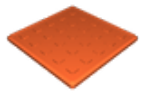
☐ For beefier tray to use with a 4mm TPU pad

tray-corner.step

☐ For beefier tray to use with a 4mm TPU pad

tray-interior.step

☐ For beefier tray to use with a 4mm TPU pad



5x5-tray.stl

☐ Use a 4mm TPU pad on the bottom

tray-interior.stl

☐ For beefier tray to use with a 4mm TPU pad

tray-side.stl

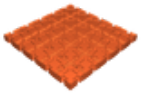
☐ For beefier tray to use with a 4mm TPU pad

tray-corner.stl

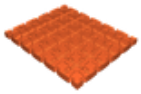
☐ For beefier tray to use with a 4mm TPU pad

cfr-base-5x5-stacked.3mf

cfr-base-5x6-stacked.3mf



cfr-base-5x5-stacked.stl



cfr-base-6x5-stacked.stl

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