Gridfinity Smooth – Modular Organizer System

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VIEW IN BROWSER

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Summary

A clean, rounded Gridfinity system with scoop, label tab and stacking lip. Basic, Finger Pull, Embossed Label, Magnet.

Hobby & Makers > Organizers

Tags: parametric organizer tool desk screws modular stackable magnets storage customizable workshop label bin drawer gridfinity

Gridfinity Smooth is an original, from-scratch take on the Gridfinity standard, designed to look as good as it works. Every bin has soft rounded corners, a curved interior scoop that makes grabbing small parts easy, a support-free label tab and a stacking lip. It is fully compatible with any Gridfinity baseplate or bin (42 mm grid, 7 mm height units).

What's included

- **01 – Basic:** 4x4 baseplate + 1x1x3, 2x1x3 (with divider) and 2x2x6 bins.
- **02 – Finger Pull:** the same bins with a discreet curved notch at the front, so you can lift a bin out with one finger.

- **03 – Embossed Label:** bins with raised text on the label tab (M3 / SCREWS / TOOLS).
  - _multicolor files keep the text as a separate part – perfect for AMS or dual-nozzle printers
  - Single-color files for everyone else
- **04 – Magnets:** bins with 6x2 mm magnet holes + a magnet baseplate with a 3 mm floor and a center cutout to save filament.
- **05 – Full Kit:** 11 bins (1x1 to 4x1 and 3x2, heights 3 and 6, with 1–4 compartments) and baseplates 3x3, 4x4, 5x5 and 6x6, each in standard and magnet versions. Ready-made project files put **one part on each plate**.

Customize it

Click **Customize** to build your own bin: any size up to 6x6, height 2–12 units, your own label text (long text shrinks automatically to fit), compartments, scoop, finger pull, magnets and stacking lip. You can also generate baseplates or export only the text for multicolor printing.

Which baseplate fits your printer

Baseplate	Size	Printers
3x3	126 mm	Any printer
4x4	168 mm	Most printers
5x5	210 mm	X2D, X1, P1, A1, MK4
6x6	252 mm	256 mm beds (X2D, X1, P1, A1)

Fit & tolerances

Built to the Gridfinity spec with 0.25–0.35 mm clearance per side. Bins drop in smoothly and stack securely on top of each other.

Printing tips

- No supports needed. Print bins upright and baseplates flat.
- 0.2 mm layers, 2–3 walls, 10–15% infill. Profile tested on a Bambu Lab X2D.

- **Magnets:** 6x2 mm neodymium, fixed with a drop of super glue. Keep the same polarity facing up on all baseplate magnets, and the opposite on the bins.
- **Multicolor labels:** when opening a _multicolor file in Bambu Studio, load it as a single object with multiple parts and assign a different filament to the text.

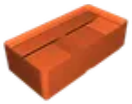
Free to download – if you like it, a Boost or a Make helps a lot! I'd love to see your setups

Model files

kit_caixas_all.3mf

kit_bases_all.3mf

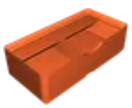
base_4x4.3mf



caixa_2x1x3_divisoria.3mf

caixa_2x2x6.3mf

caixa_1x1x3.3mf

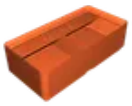


caixa_2x1x3_divisoria_puxador.3mf

caixa_1x1x3_puxador.3mf

caixa_2x2x6_puxador.3mf

caixa_1x1x3_m3_multicor.3mf



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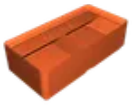
caixa_2x2x6_tools_multicor.3mf

caixa_1x1x3_m3.3mf



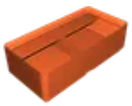
caixa_2x1x3_divisoria_screws.3mf

caixa_2x2x6_tools.3mf

gridfinity_custom.scad

caixa_2x2x6_imas.3mf

base_4x4_imas.3mf



caixa_2x1x3_divisoria_imas.3mf

caixa_1x1x3_imas.3mf

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