



Ender 5 Enclosure



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Summary

This is the enclosure I designed for my Ender 5. The design took inspiration from the Prusa Ikea Lack enclosure. The...

[3D Printers](#) > [Accessories](#)

Tags: [enclosure](#) [3dprinterenclosure](#) [ender5](#) [crealityender5](#)

This is the enclosure I designed for my Ender 5. The design took inspiration from the Prusa Ikea Lack enclosure.

The height of the enclosure is adjustable to your liking. It's based around 25x25mm aluminum extrusions. Mine were 1m in length and I kept them that way. If you use a shorter length you can probably do without the mid supports.

Apart from all the printed files here's what you need:

-Ikea Lack 200.114.08 [2x]

I don't use the legs of the second table so you can put something else on top if you wish.

For the hinge:

- M6x70 Bolt [2x]

- M6x60 Bolt [1x]
- M6 Nut [3x]

For the door:

- M4x12 Bolt [10x]
- M4 Nut [10x]
- Neodymium magnet 5x2mm [16x]

For the corner pieces:

- M3x12 Countersink screw [16x]
- M3x30 Countersink screw [24x]

If you change the height of the enclosure change these to fit.

- 1m 25x25mm aluminium extrusion [4x]
- 1004x488x2mm Plexiglass [3x]
- 997x482x2mm Plexiglass [1x]
- Foam strip [15m]

Because you need to extend all the cables to connect the printer you also need:

- JST SM connectors male/female (you only need the 2 pin variant but it doesnt hurt to pickup a complete set)
- Some wires (i used 22 AWG for everything that's not heating anything)
- XT-60 connector male/female for the heated bed
- 12 AWG wire for the heated bed

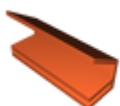
The hot end cartridge was long enough to fit without any extensions

Category: 3D Printer Accessories

Model files



drill_guide.stl



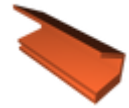
handle_upper.stl



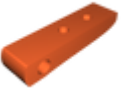
latch_bottom.stl



psu_bracket.stl



handle_bottom.stl



door_hinge.stl



hinge.stl



hinge_upper.stl



regular_corner.stl



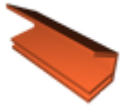
hinge_bottom.stl



cable_guide.stl



screen_bracket.stl



handle_mid.stl



latch_upper.stl



mid_support.stl



latch.stl

[Find source .stl files on Thingiverse.com](#)

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