



E3D Titan Mount for Prusa i3 Mk2-style X Carriage



losaef the Irascible

[VIEW IN BROWSER](#)

updated 12. 4. 2022 | published 30. 3. 2022

Summary

I've built yet another Prusa i3 clone, and I decided to use mostly the parts from the Original Prusa i3 Mk2 for my...

[3D Printers](#) > [3D Printers - Upgrades](#)

Tags: [prusai3mk2](#) [e3dtitan](#) [3dprinter](#) [e3dv6](#) [3dprinterparts](#)
[i3clone](#) [prusai3clone](#)

I've built yet another Prusa i3 clone, and I decided to use mostly the parts from the Original Prusa i3 Mk2 for my printed parts. Well, some parts needed modification, and since I wanted to use my MendelMax's E3D Titan instead of the stock extruder setup...

Description

This is designed to mount a ~2cm "pancake" stepper motor and E3D Titan extruder onto the Prusa i3 Mk2's X carriage. The X carriage I use started out life as the one available for the Original Prusa i3 Mk2. All I did was chop parts from the top and bottom that related to the stock extruder.

On my machine, this mount (with near-stock X ends and carriage for the Mk2) gives me a build height of ~190mm and full access to the 213x200mm glass plate that I print on.

Notes

The extruder motor mount can easily lose a millimeter on either side, to more snugly fit the motor. It works perfectly fine as-is though.

The hobbed gear for the extruder has approximately a millimeter between it and the mount. If your printer over-extrudes, you may need to file this a bit to let the gear turn freely.

Caveat emptor, as I don't actually own an Original Prusa i3 Mk2 to test this on.

Print Settings

Printer Brand:

Solidoodle

Printer:

Solidoodle 4

Rafts:

No

Supports:

No

Resolution:

0.3mm

Infill:

35%

Notes:

Printed with IC3D 1.75mm natural ABS filament.

Print with moderately high infill for strength, even though the pancake stepper + Titan + E3D Lite6 weighs almost nothing, it'll make installation easier and prevent future issues.

How I Designed This

Designed with OpenSCAD.

Category: 3D Printer Parts

Model files



i3_mk2_titan_bracket.scad



i3_mk2_titan_bracket.stl

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

License

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



Attribution-ShareAlike

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