

**TeeBot\_MAX!!  
Simple, Portable ... Folding  
3D printer**

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DREAM & CREATE

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## ABOUT THE MANUAL.

This manual provides you with a visual step by step guide on how to build or assemble TeeBotMax 3D printer. For more build photos please visit my blog, you will have to source the material/parts needed for your build according to the design.

Many will like to start with a complete/ partial kit, you can grab one directly here ([www.3dstuffs.nl/webstore/](http://www.3dstuffs.nl/webstore/))

Please report any error detected in this documentation.

I do all of my drawing in Sketchup and a big fan of the software.

Feel free to get in touch, if you have related questions, collaboration enquiry, or just simply talk 3D printing

For photos and videos of the 3D printer in action, visit my web blog

### How to contact

Twitter : [@teebotmax](https://twitter.com/teebotmax)

Google plus [TeebotMax](https://plus.google.com/+TeebotMax)

Web Blog [tutuetemmaWordpress](https://tutuetemma.wordpress.com/) (<https://tutuetemma.wordpress.com/>)

You can grab a 3D printer kit or needed parts here ([www.3dstuffs.nl/webstore/](http://www.3dstuffs.nl/webstore/))

I hope this guide helps or inspire you in building or assembling your own 3D printer!! If you do please send me a photo of your build.

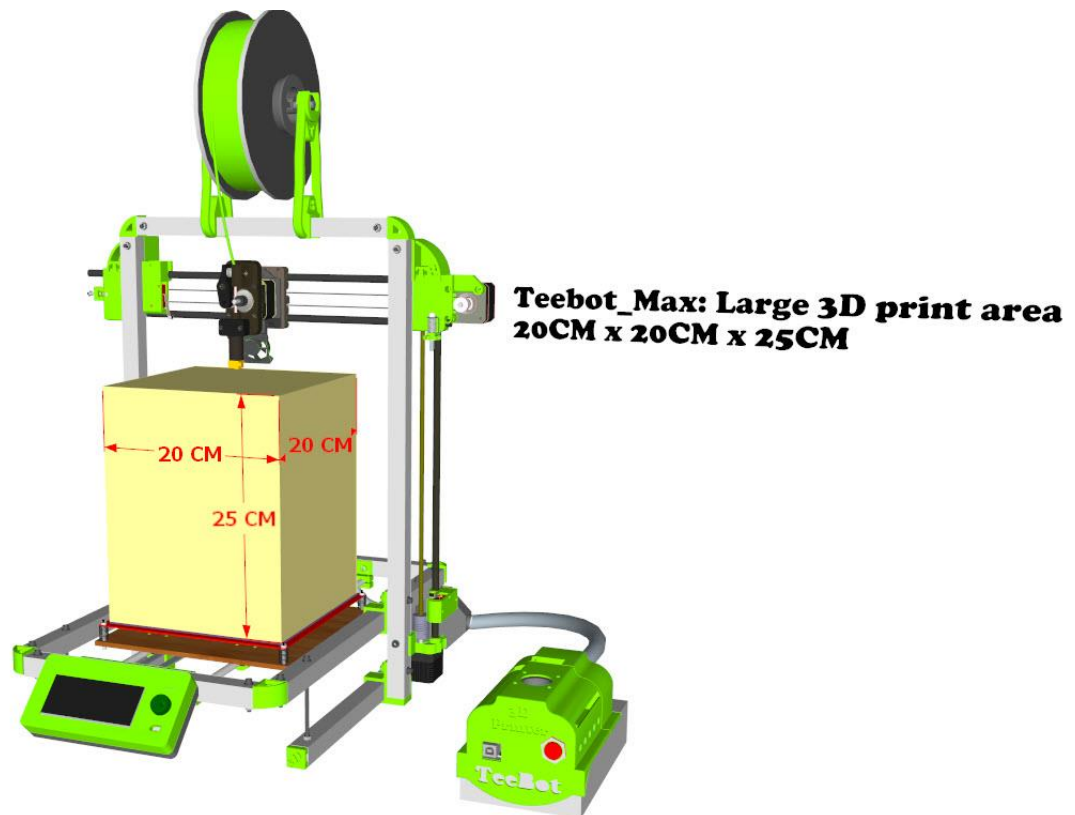
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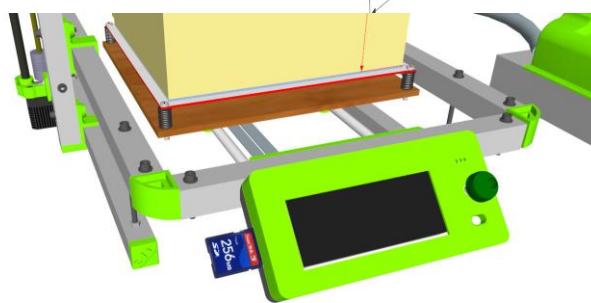
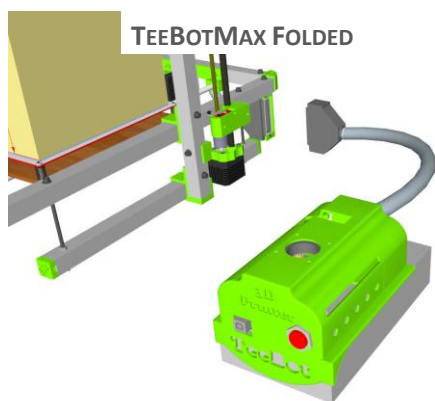
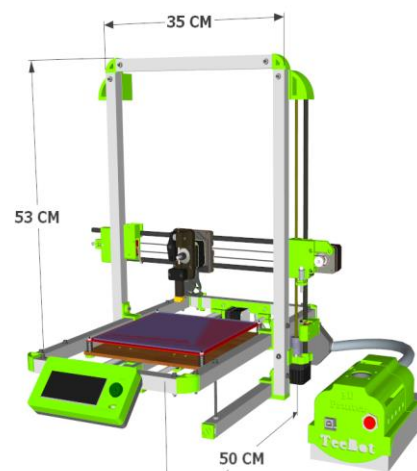
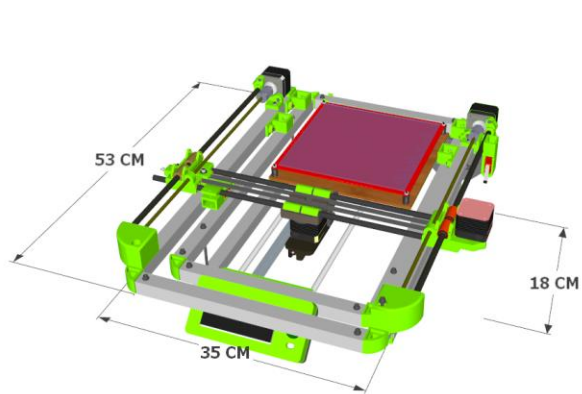
## THE DESIGN & SPECIFICATION.

The Idea was to design and build a 3D printer which is simple to assemble, easy to move around and travel with, using simple easy to get materials and equally strong and precise.

Many open source designed 3D printer have inspired me in the design of TeeBotMax. Many thanks for sharing: to all the open source developers worldwide over.

\*\*Special thanks to - Josef Prusa (Prusa I3), Emmanuel Gilloz (FoldaRap), Richard Horne (Richrap), Reifsnnyderb (J head Hotend) just to mention a few.





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## SPECIFICATION.

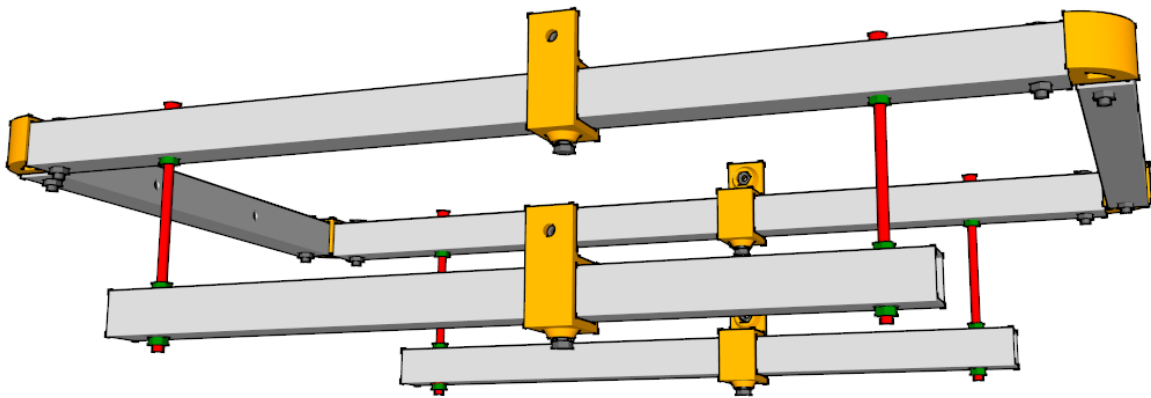
- **Build Cost:** 350 ~500 Euro (Depending on source of materials/parts)
- **Build time:** Approximately 1 full day.
- **Filament type:** Compatible with 3mm/1.75mm, ABS/PLA/Flexible\_filament
- **Print Speed:** 120mm/s
- **Nozzle:** J head type 0.4mm
- **Tested Layer height/resolution:** 0.1mm
- **Power supply:** 12v 20a
- **Weight:** ~7kg

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## FASTNERS.

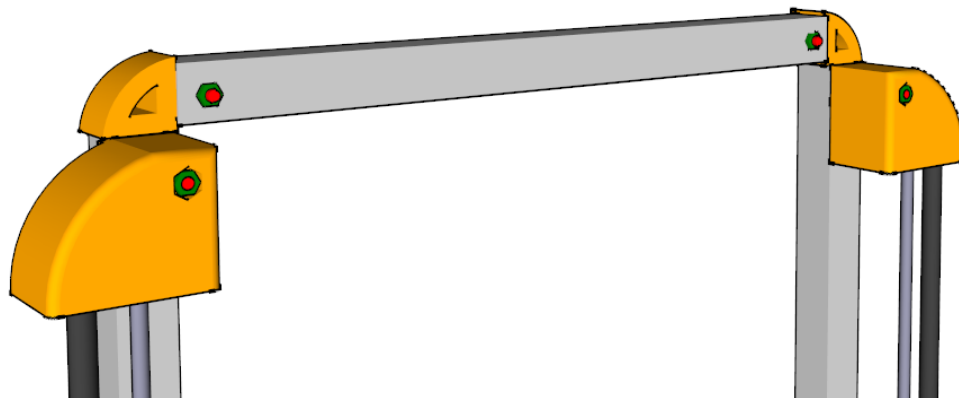
### Footer

- M8 x 110mm (4pcs)
- M8 Nuts (12pcs)
- M8 Washer (16pcs four on each)



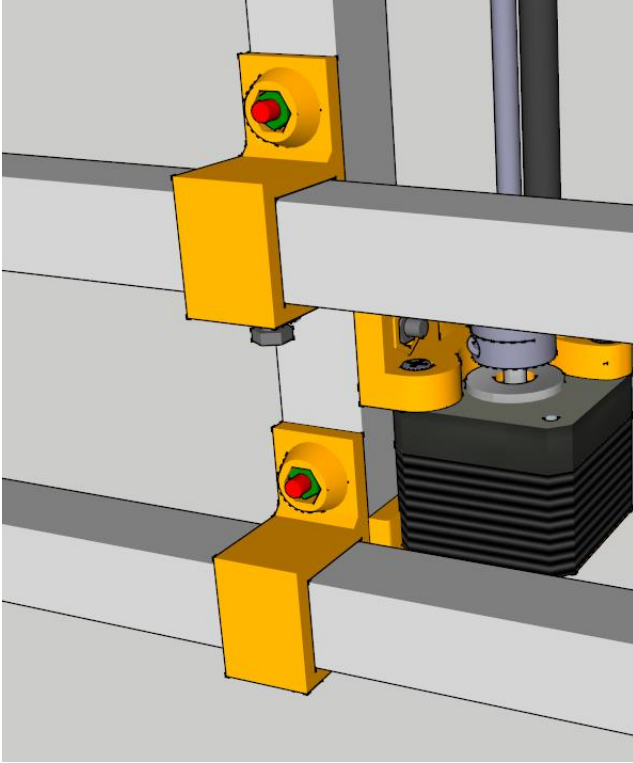
### Z Axis Top

- M5 x 60mm (2pcs)
- M5 Nut (2pcs)
- M4 x 25mm (2pcs)
- M4 nut (2pcs)
- M4 washer (4pcs)



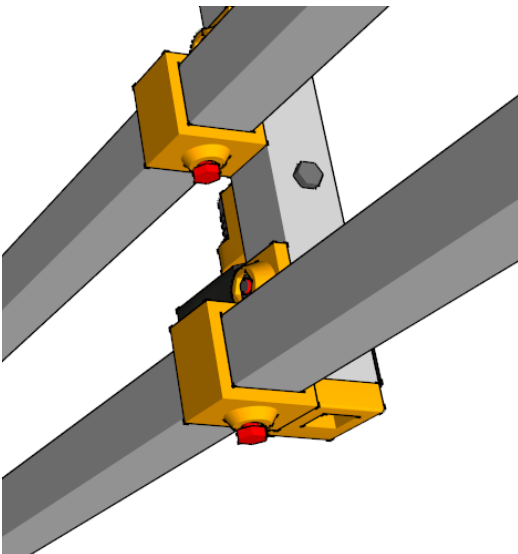
## Z Axis Bottom

- M4 x 30mm (4pcs)
- M4 washer (4pcs)
- M4 Nut (4pcs)



## Z Axis lock

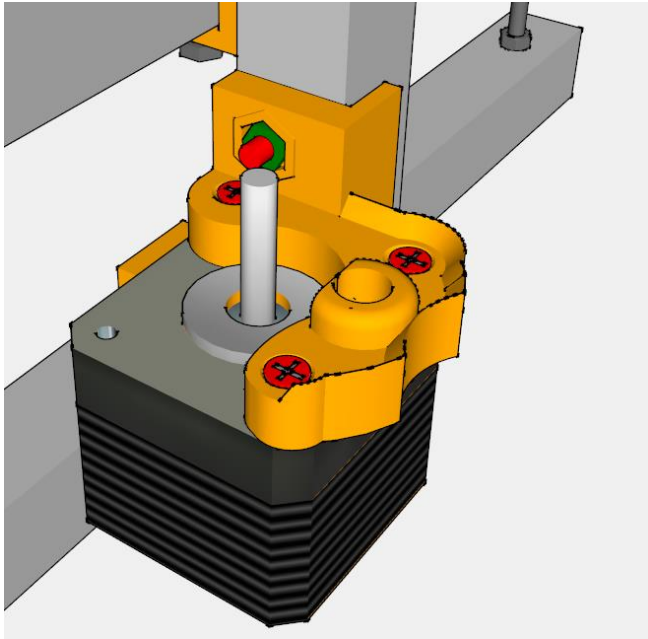
- M4 x 10mm (4pcs)
- M4 nuts (4pcs)





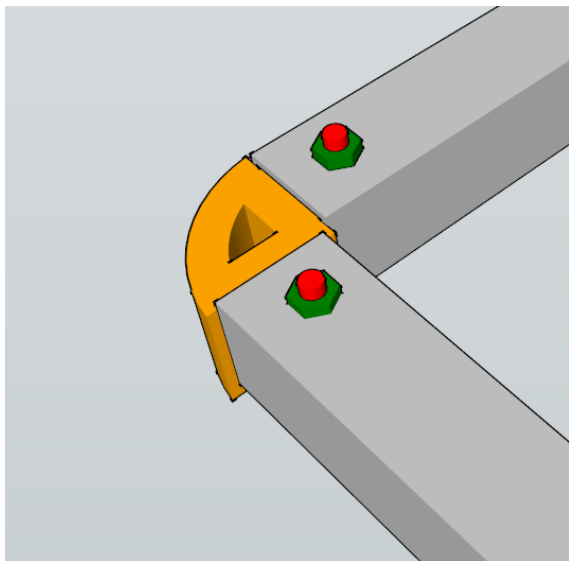
## Z Motor Holder

- M4 x 30mm (2pcs)
- M4 Nuts (2pcs)
- M4 Washer (2pcs)
- M3 x 10mm (6pcs)



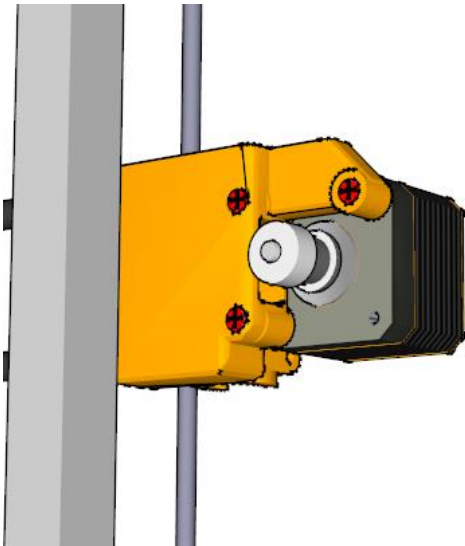
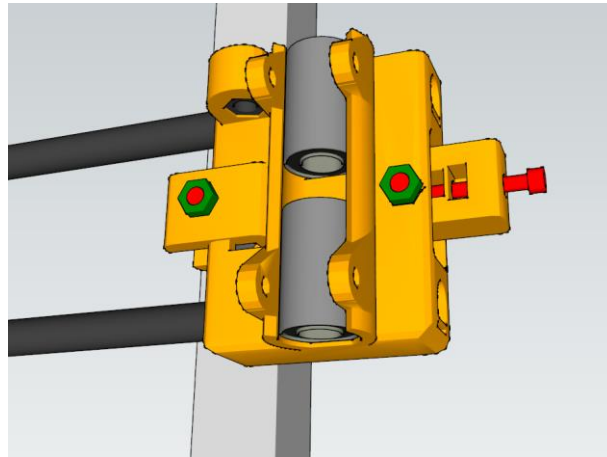
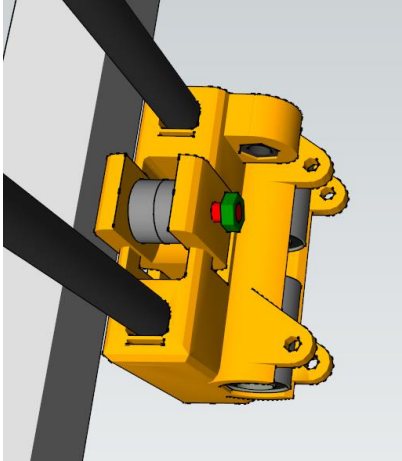
## Four corner

- M4 x 25mm (8pcs)
- M4 Nuts (8pcs)
- M4 washers (16pcs)



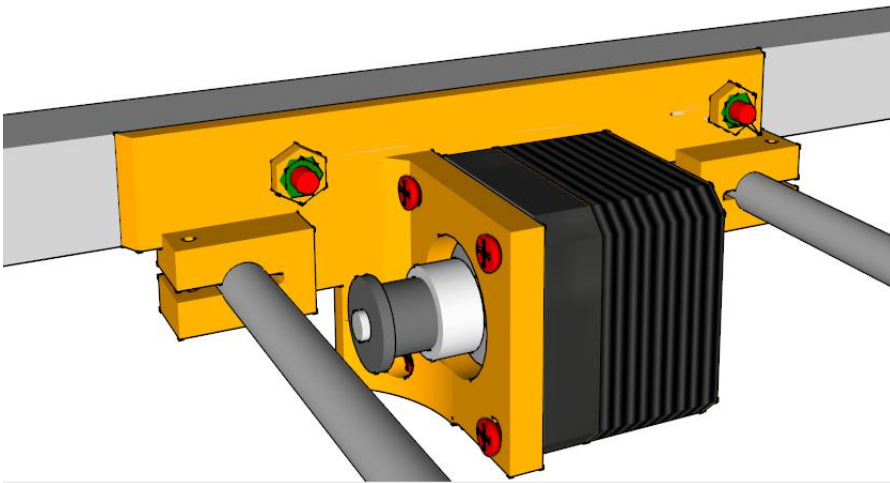
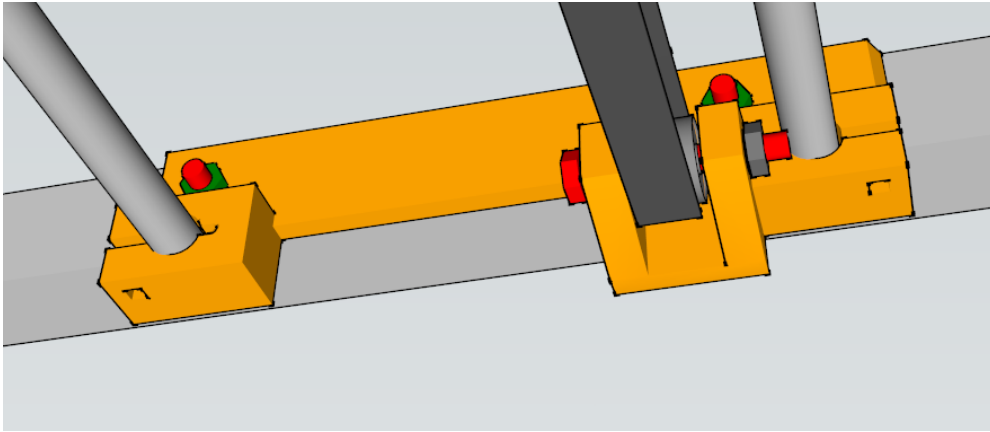
## X Axis

- M3 x 10mm (3pcs)
- Flat head M4 x 25mm (2pcs)
- M4 Nut (2pcs)
- M3 x 20mm (1pcs)
- M3 nut (2pcs)



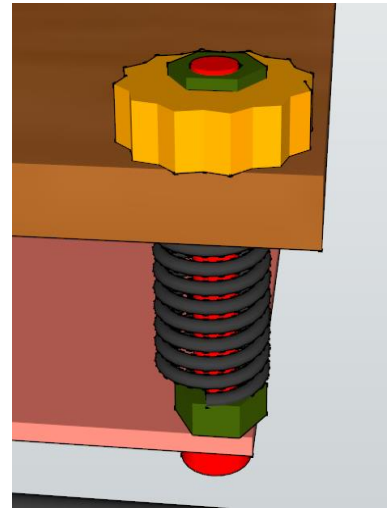
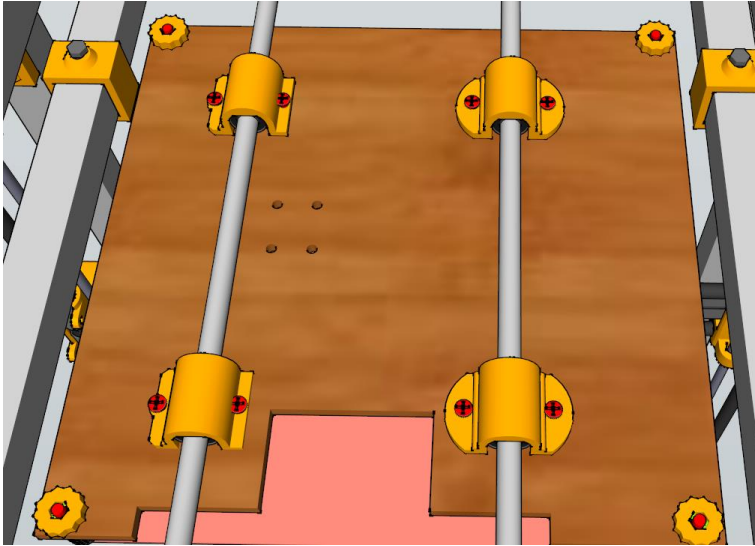
## Y axis

- M4 x 30mm (1pcs)
- M4 Nuts (1pcs)
- M3 x 30mm (4pcs)
- M3 nuts (4pcs)
- M3 washer (8pcs)
- M3 x 10mm (3pcs)



## Heat Bed

- M3 x 30mm (4pcs)
- M3 nuts (8pcs)
- M3 x 16mm (8pcs)
- M3 washer (8pcs)
- M3 nuts (8pcs)



## X Axis carriage

- M3 x 20mm fan (2pcs)
- M3 washer (4pcs)
- M3 nut (2pcs)
- M4 x 25mm (4pcs) mount
- M4 nuts (4pcs)
- M 5 nuts (2pcs) X\_axis lift

