

## Two axis printed linear stage



RemiRafael

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### Summary

This design is a two axis printed linear stage capable of a positioning accuracy in the order of 10 micron. Besides 3D...

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This design is a two axis printed linear stage capable of a positioning accuracy in the order of 10 micron. Besides 3D printed parts it only uses 2mm metallic rods, two 40mm spring and two 55mm M3 bolt with nut and washer. The complete fabrication process is described in an instructable:

<https://www.instructables.com/Build-a-3D-Printed-Linear-Stage/>

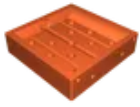
I also designed a 2 axis translation stage, a transversal translation stage and two rotation stages. All 3D files will be available shortly:

<https://www.printables.com/model/903034-printed-linear-stage>

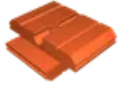
<https://www.printables.com/model/903032-orthogonal-printed-linear-stage>

Category: Tools

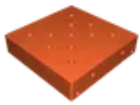
# Model files



**xy\_translation\_base.stl**



**xy\_translation\_center.stl**



**xy\_translation\_top.stl**



**knob.stl**



**xyz-cutting-guide.stl**

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

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