



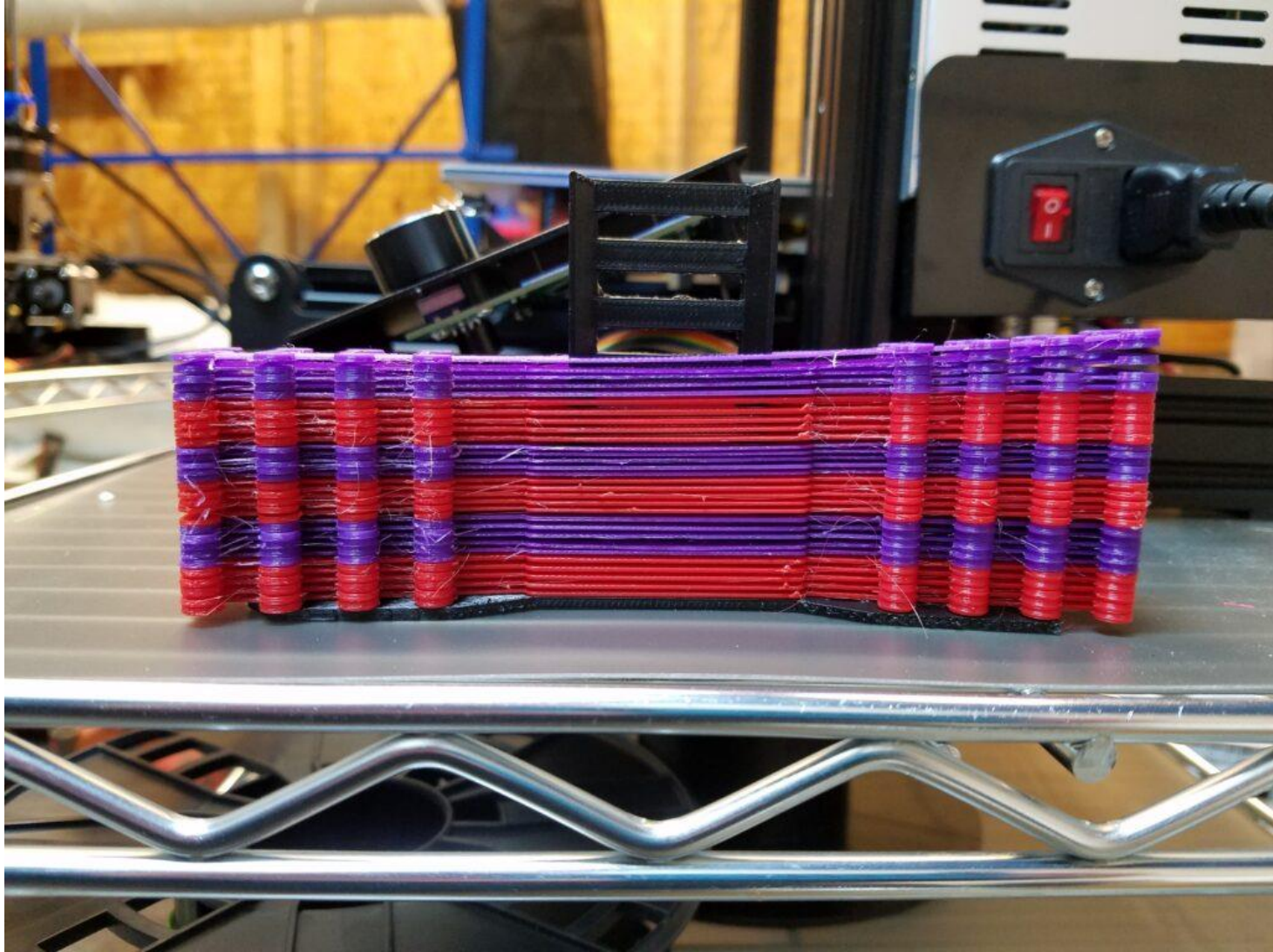
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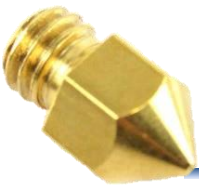
# Ender Club Offset Square Workflow

June 2020

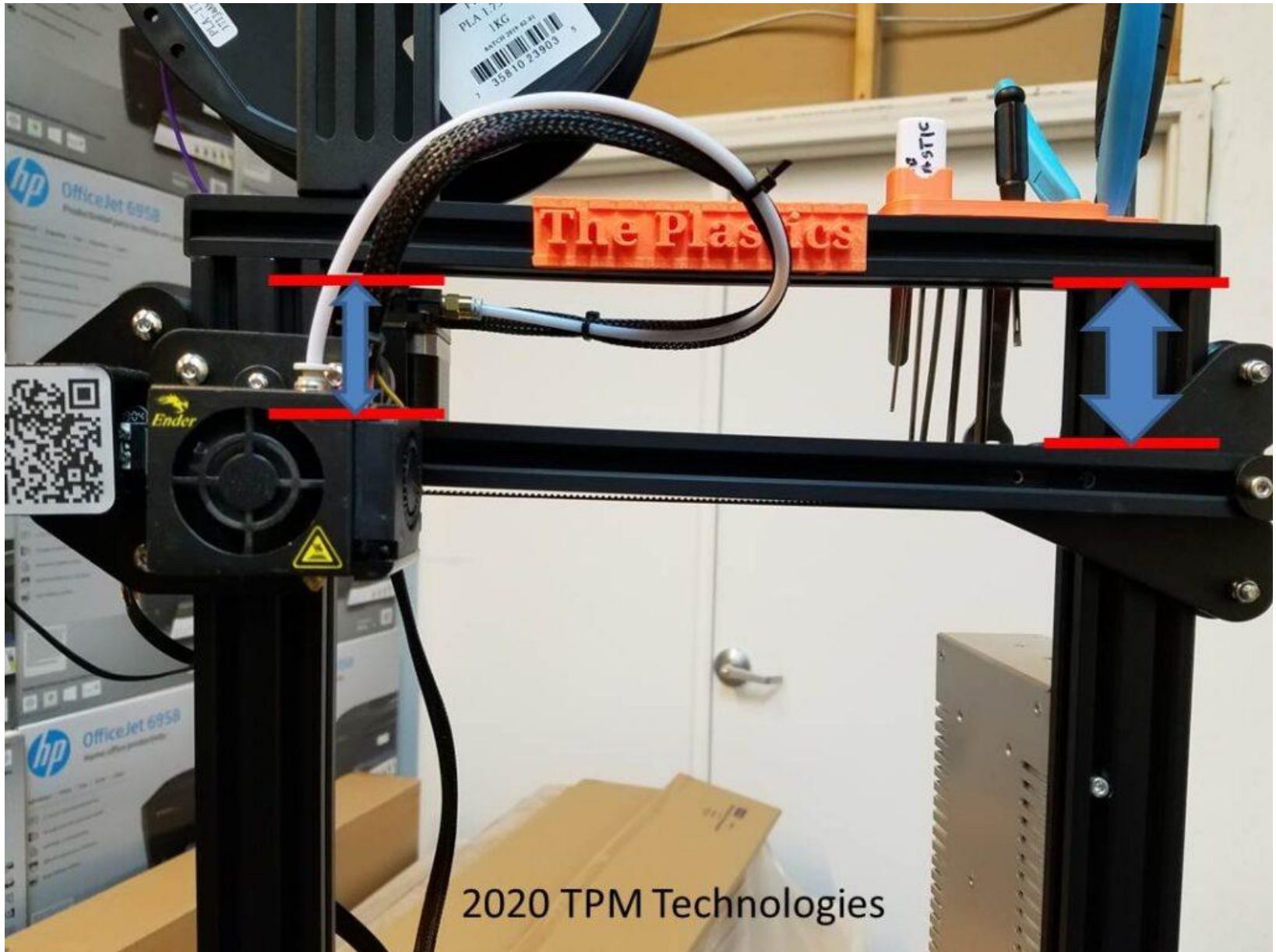


# Printing at a slant!



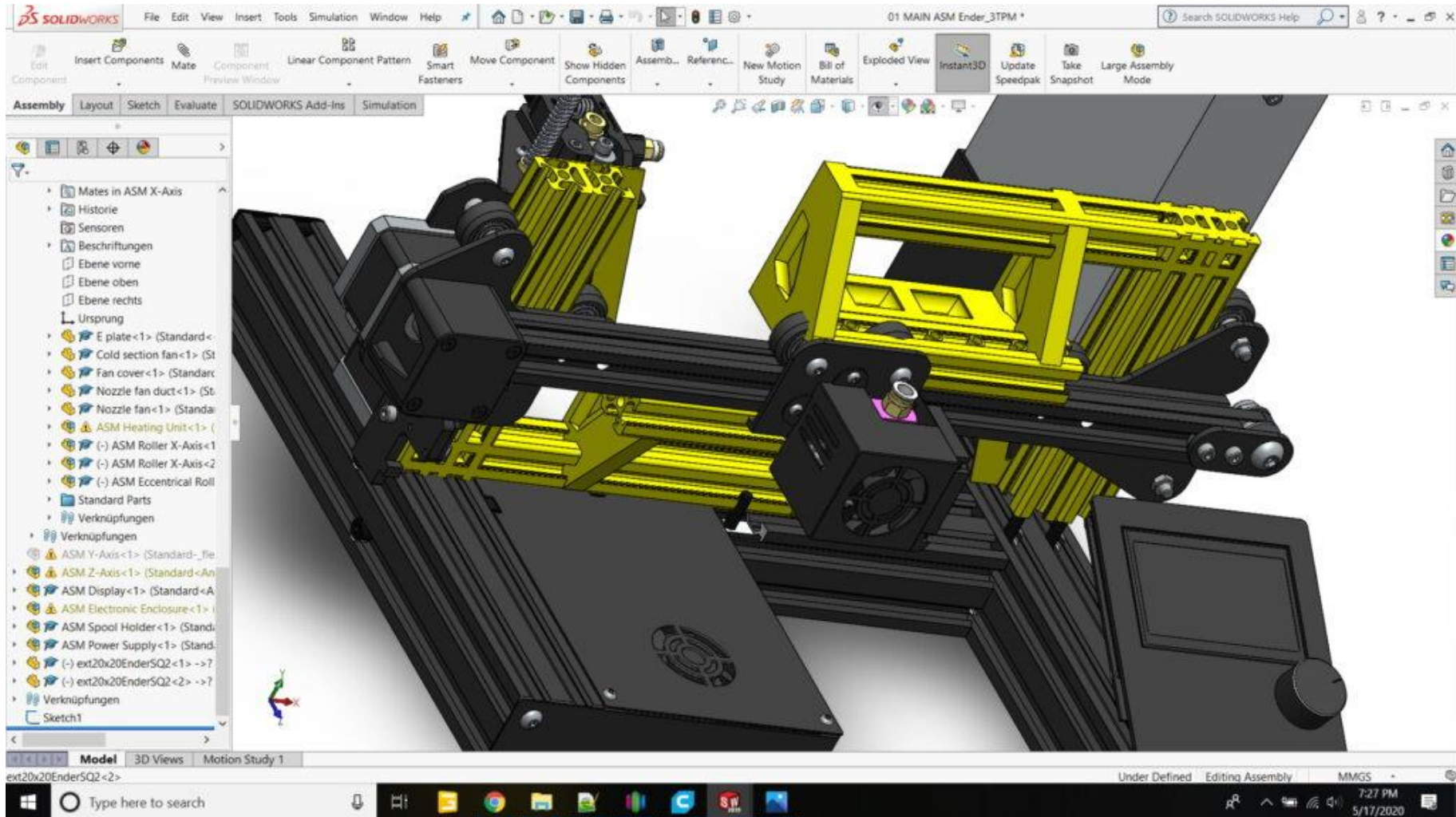


# Printing at a slant!





# Square for Master rollers





# Tricky alignment/sloppy holes

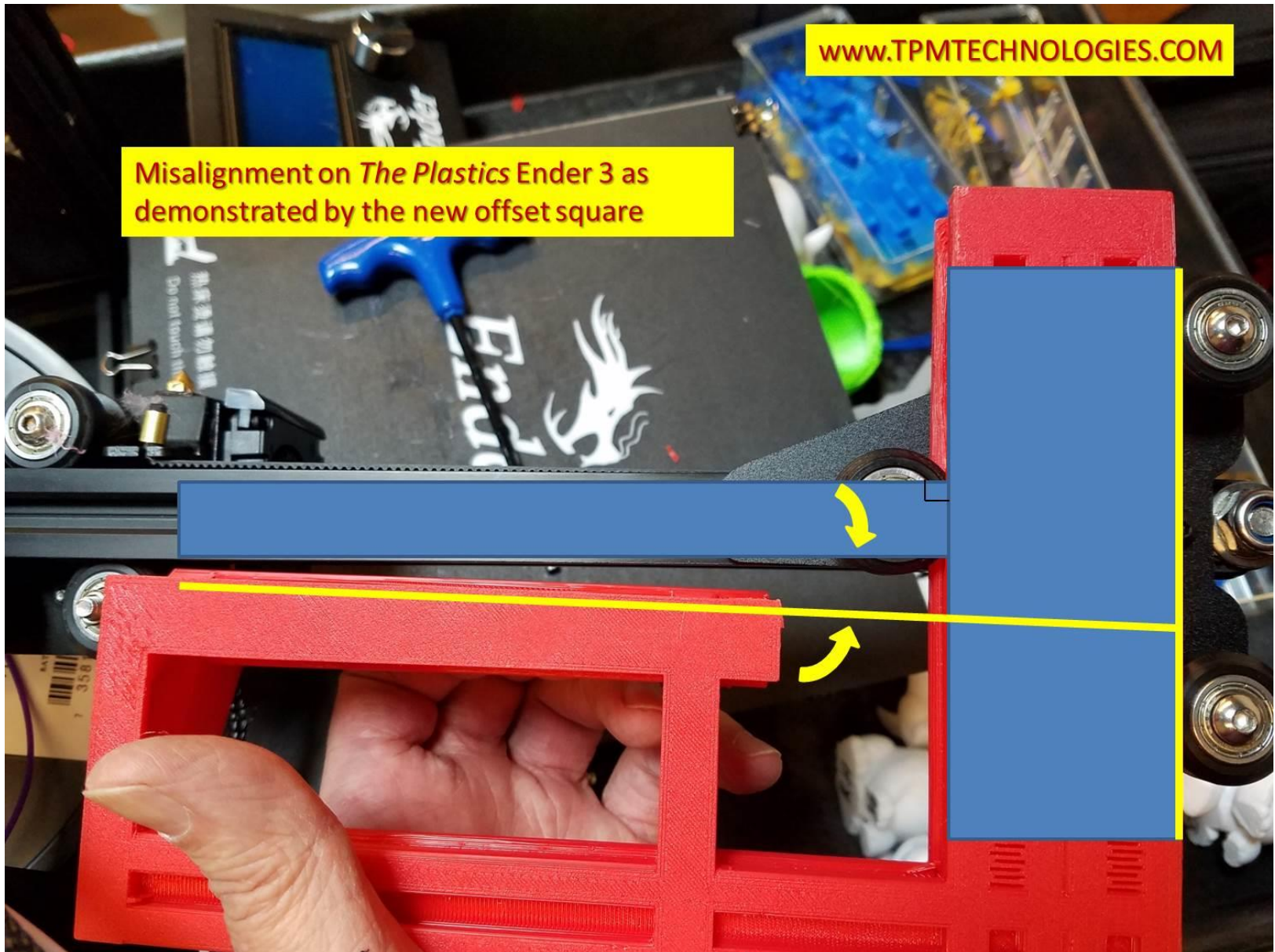




# Printing at a slant!

[www.TPMTECHNOLOGIES.COM](http://www.TPMTECHNOLOGIES.COM)

Misalignment on *The Plastics Ender 3* as demonstrated by the new offset square

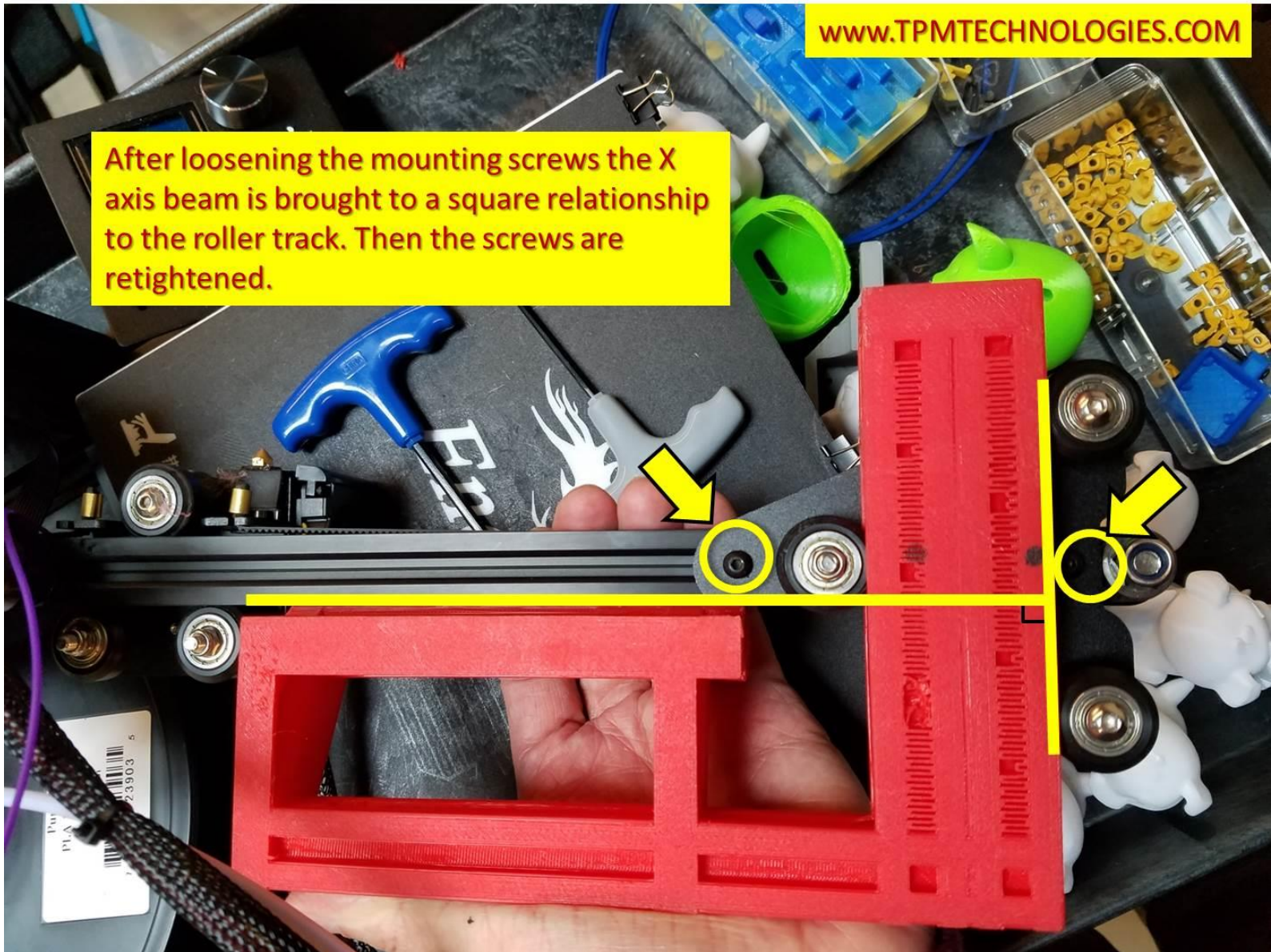


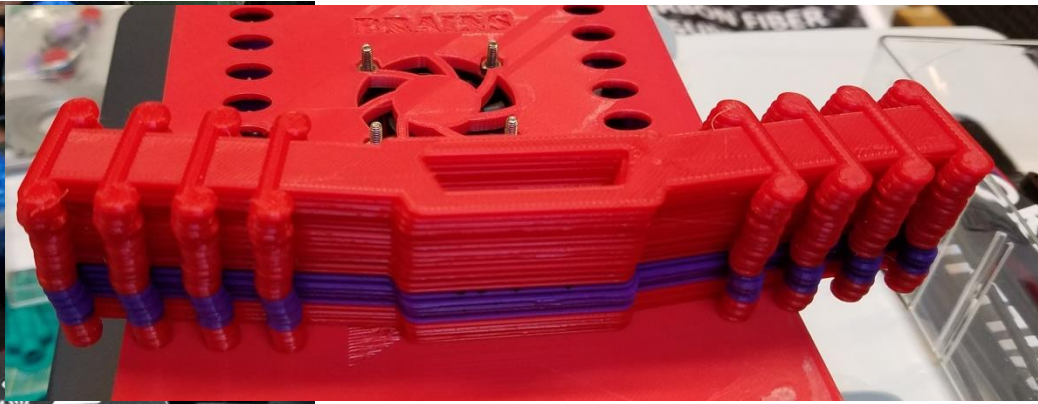
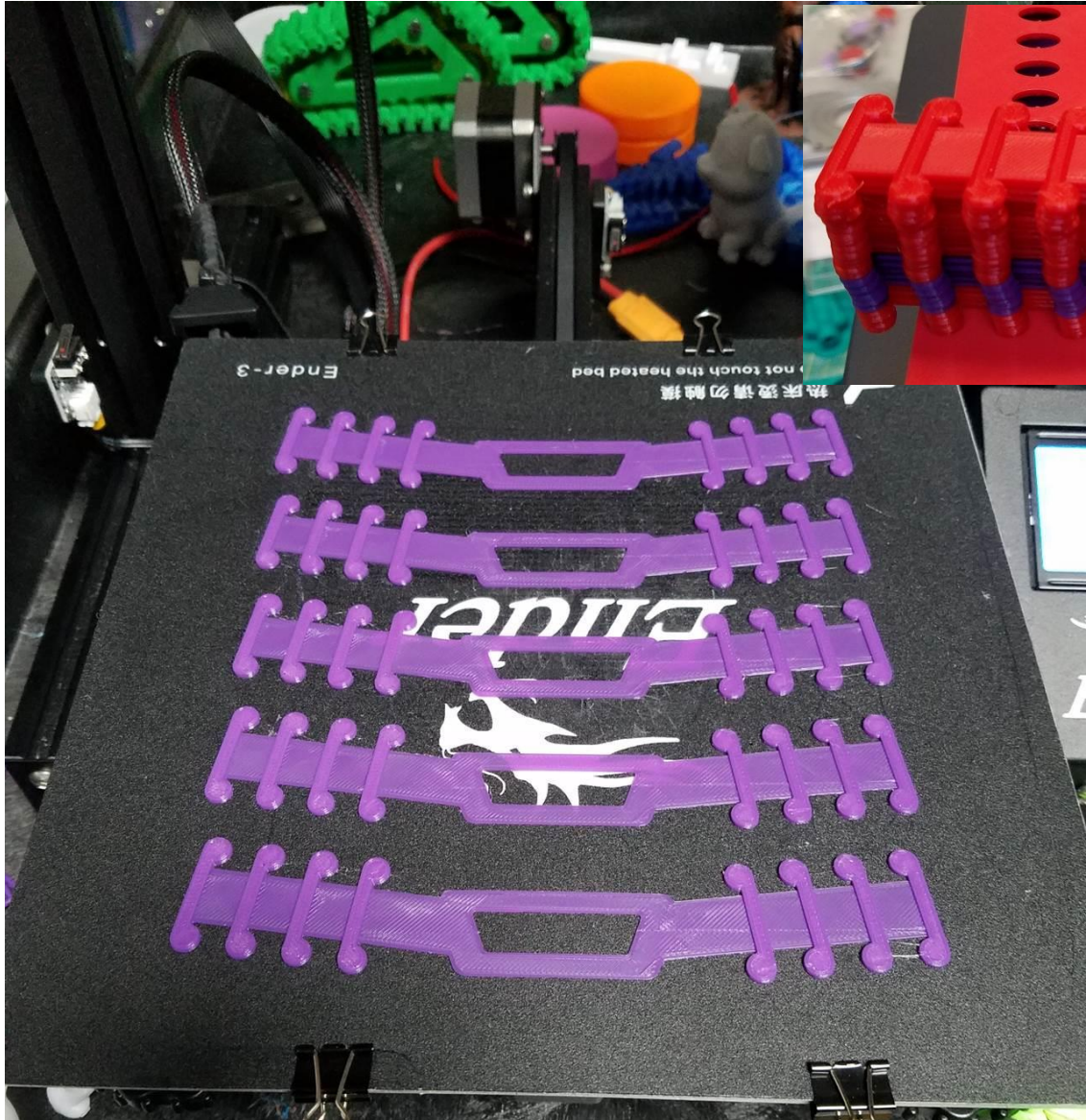


# Square for idler rollers

[www.TPMTECHNOLOGIES.COM](http://www.TPMTECHNOLOGIES.COM)

After loosening the mounting screws the X axis beam is brought to a square relationship to the roller track. Then the screws are retightened.

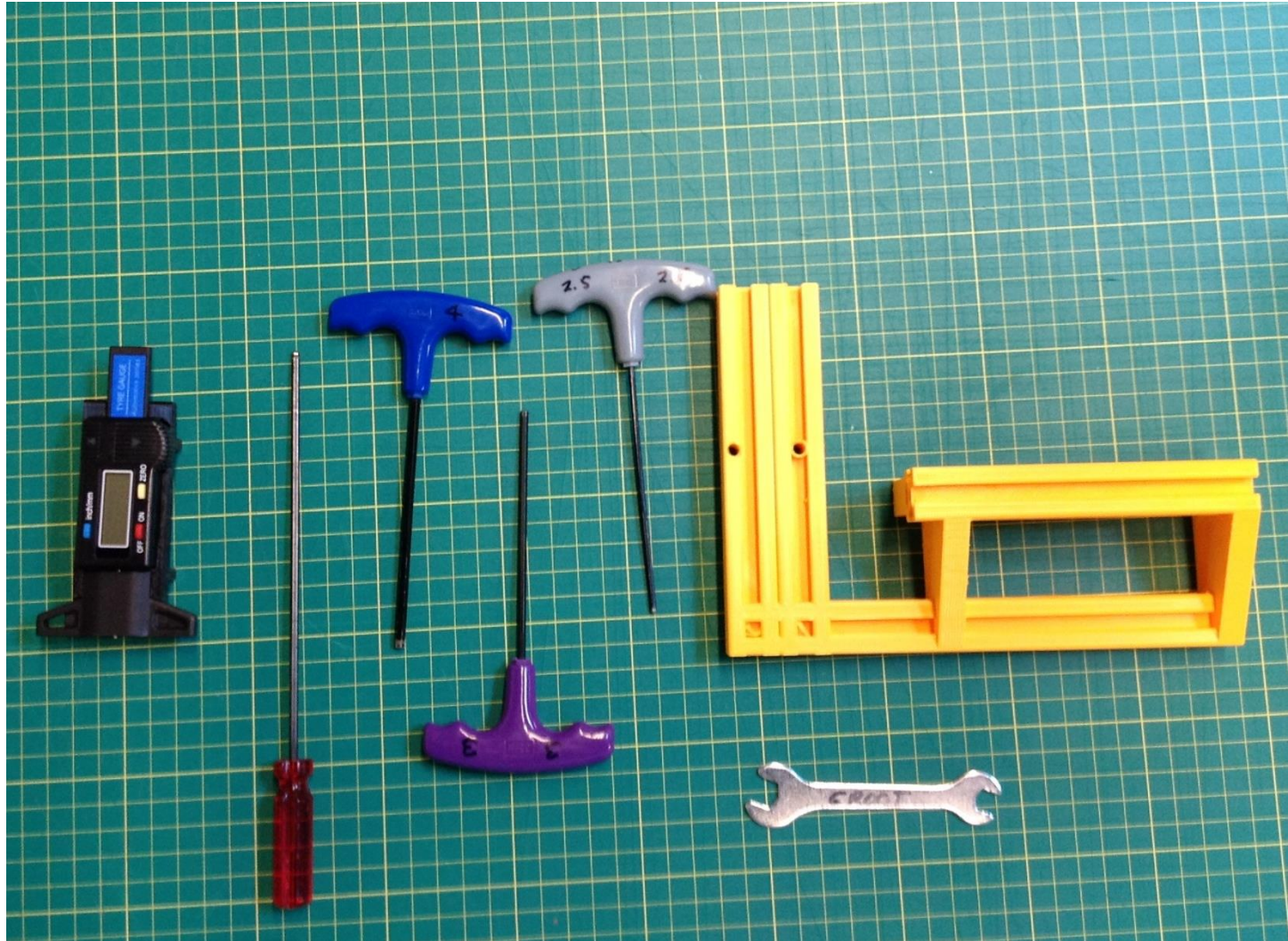






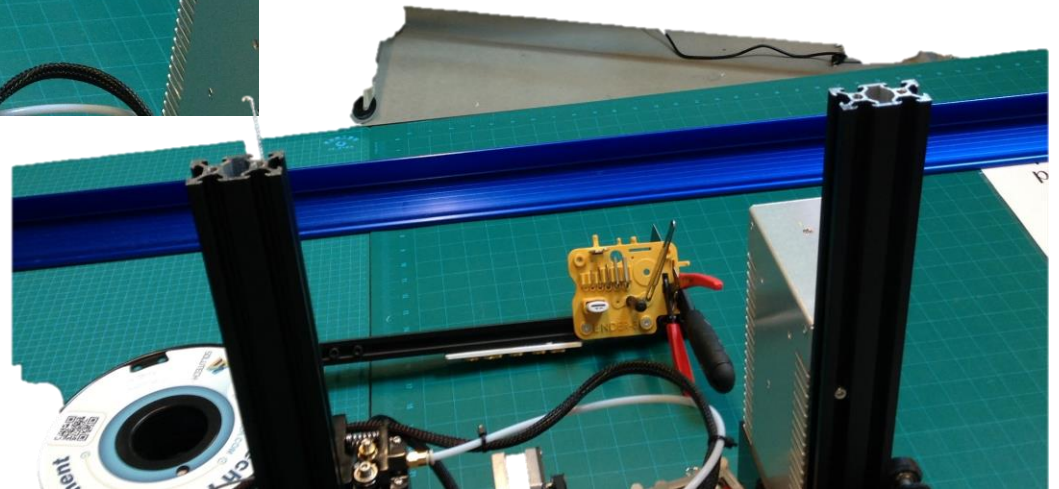
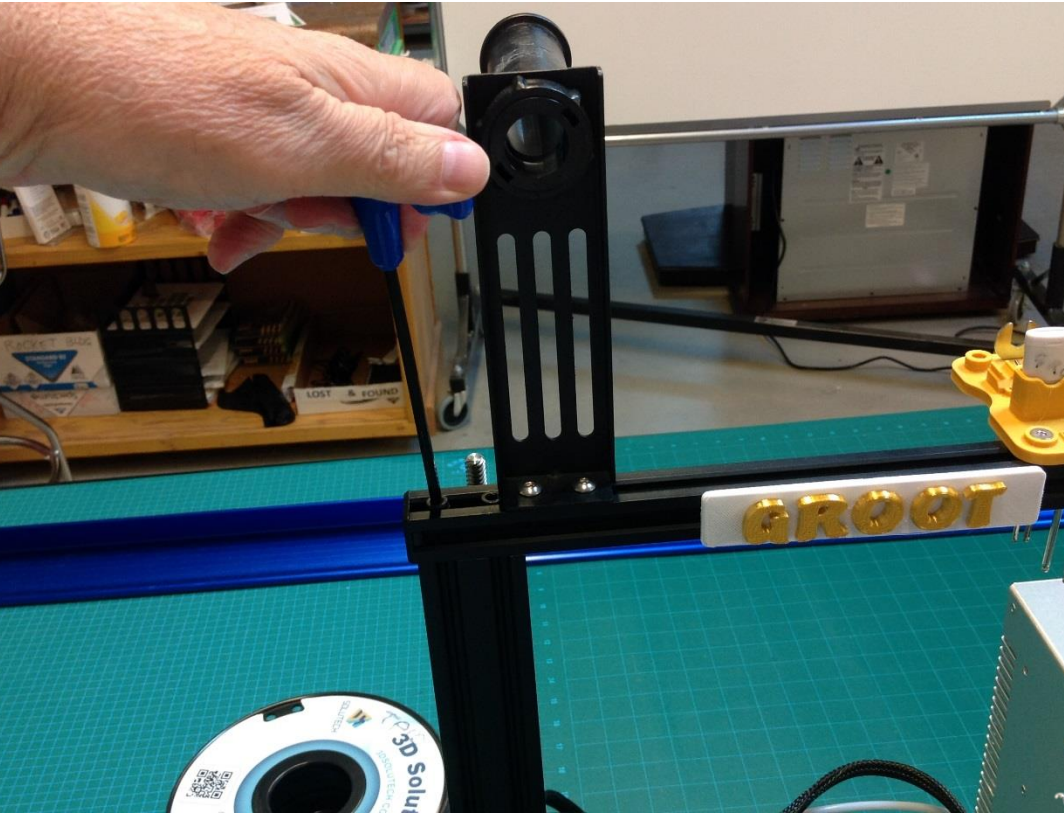


# Tools Needed



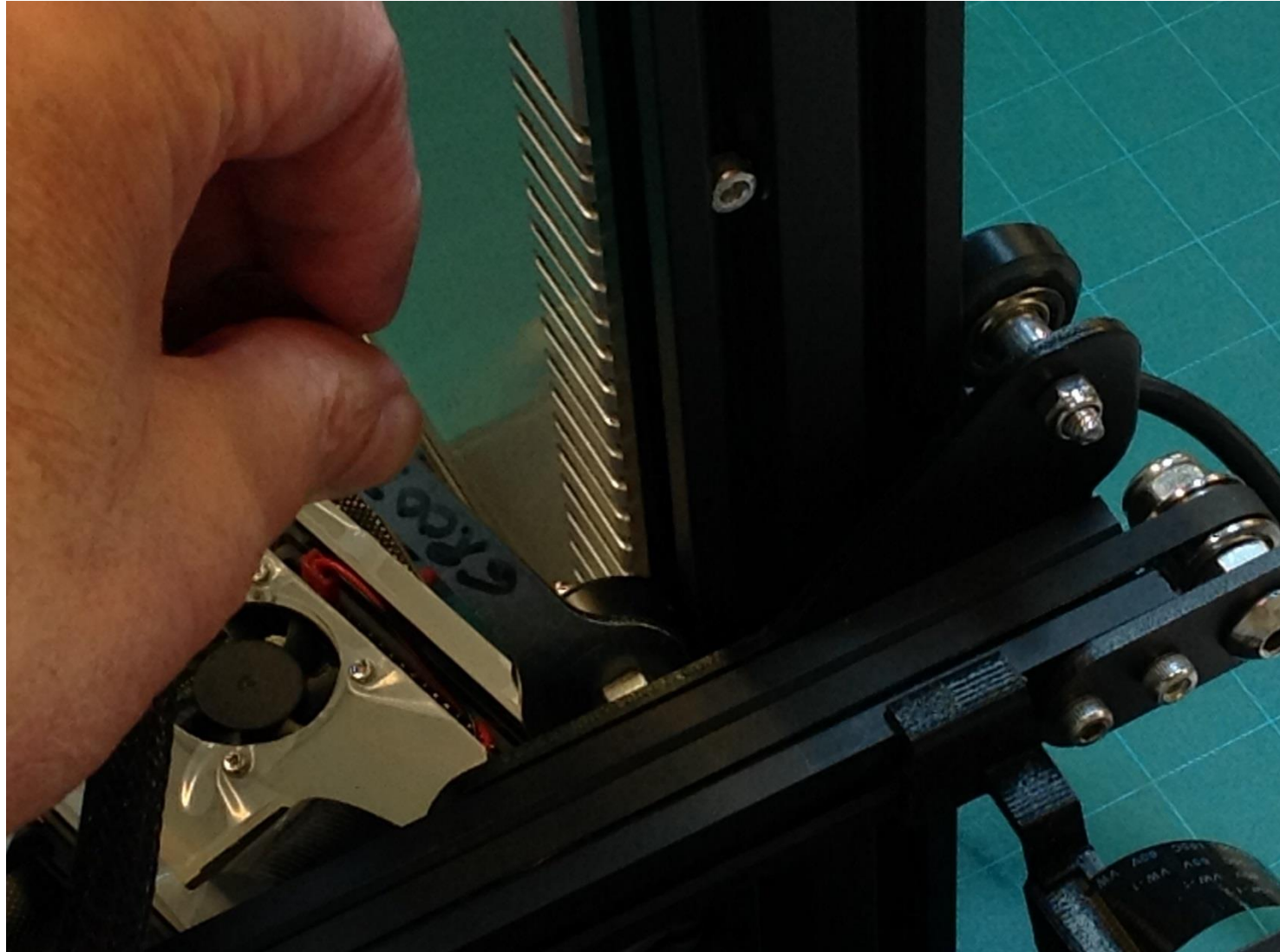


# Remove Top Beam





# Back off Cam rollers

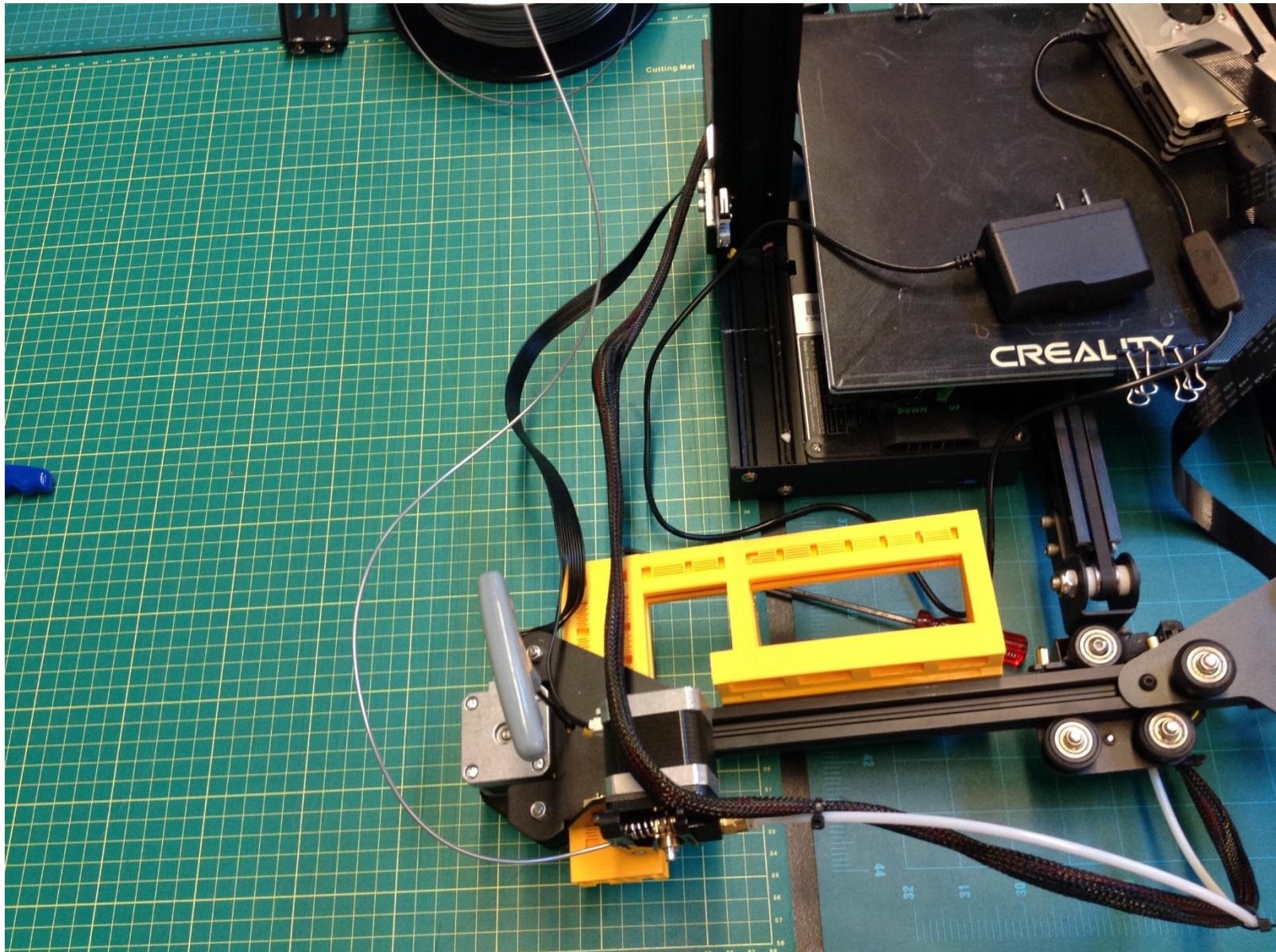




# Remove X-axis Beam

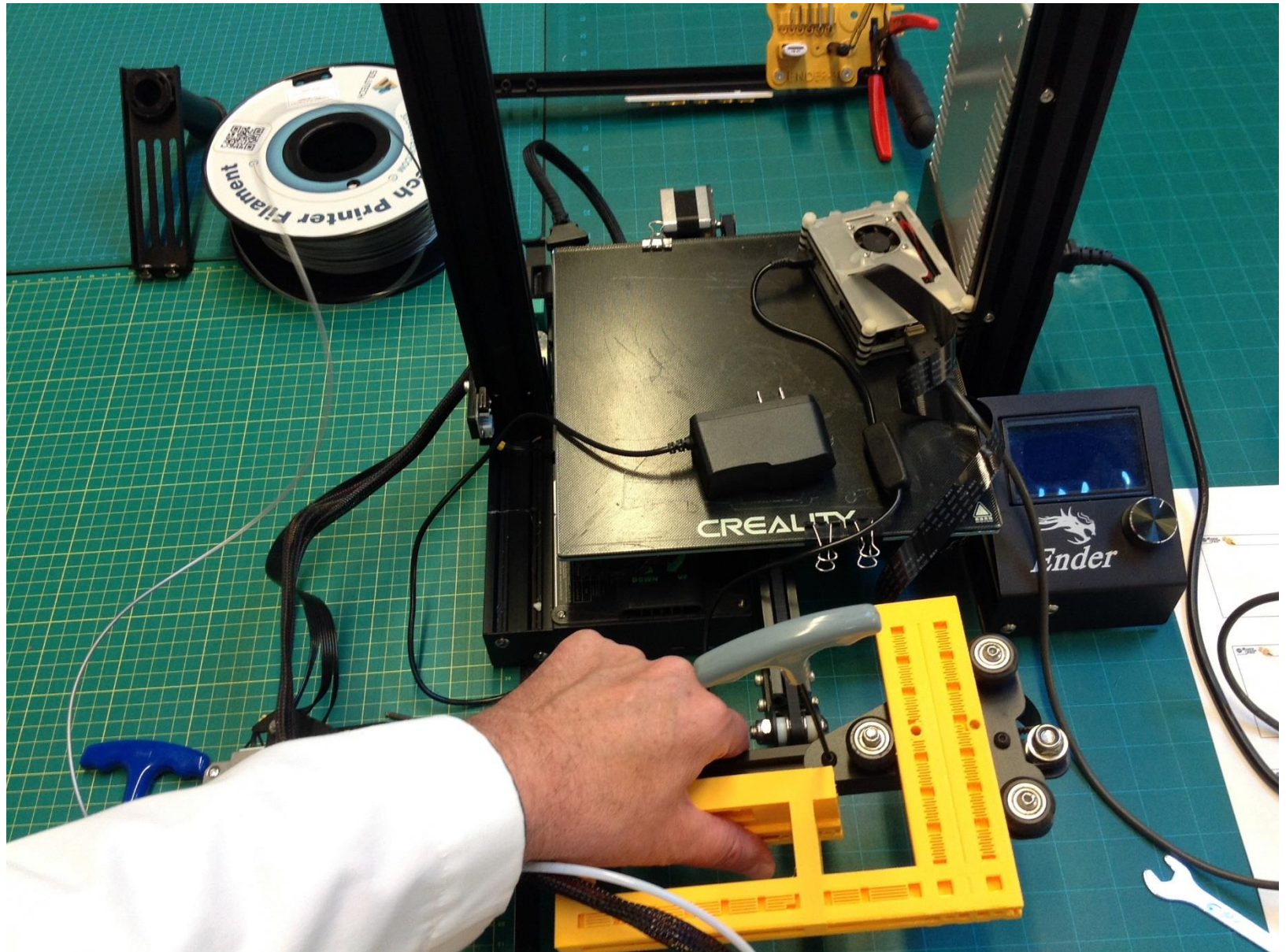


# Check Master squareness & Adjust



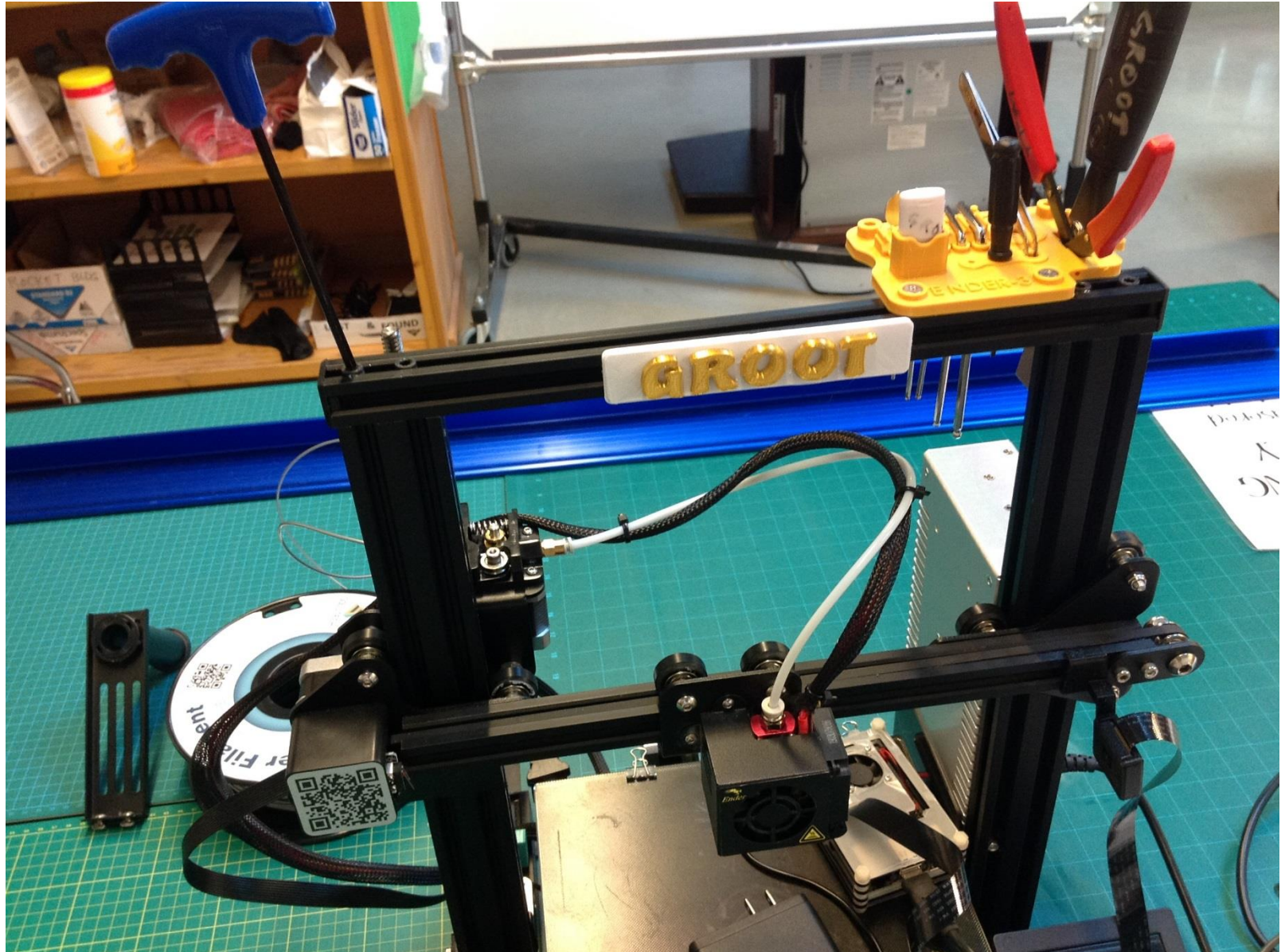


# Check Idler squareness & adjust



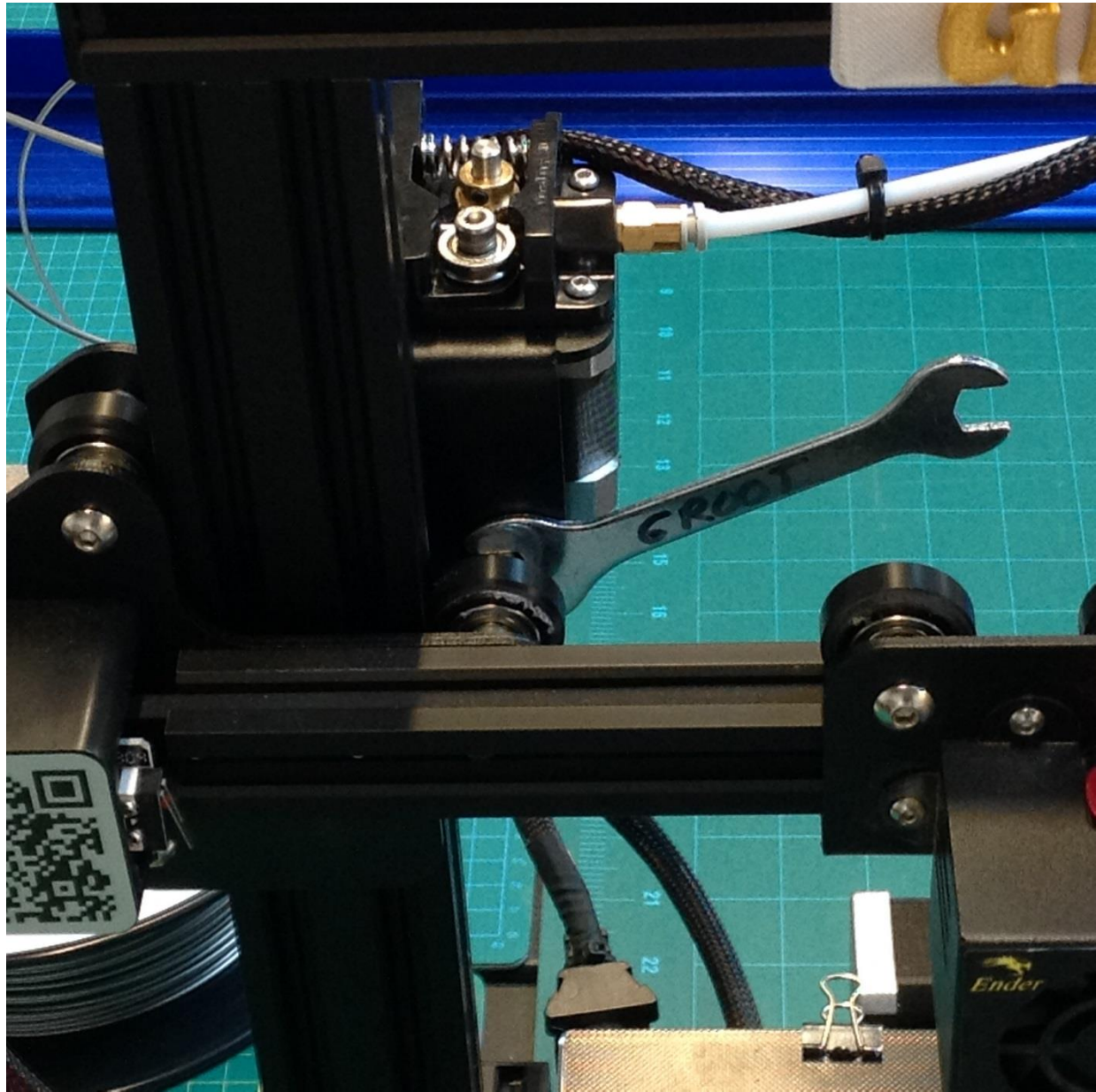


# Reinstall X & Top beam





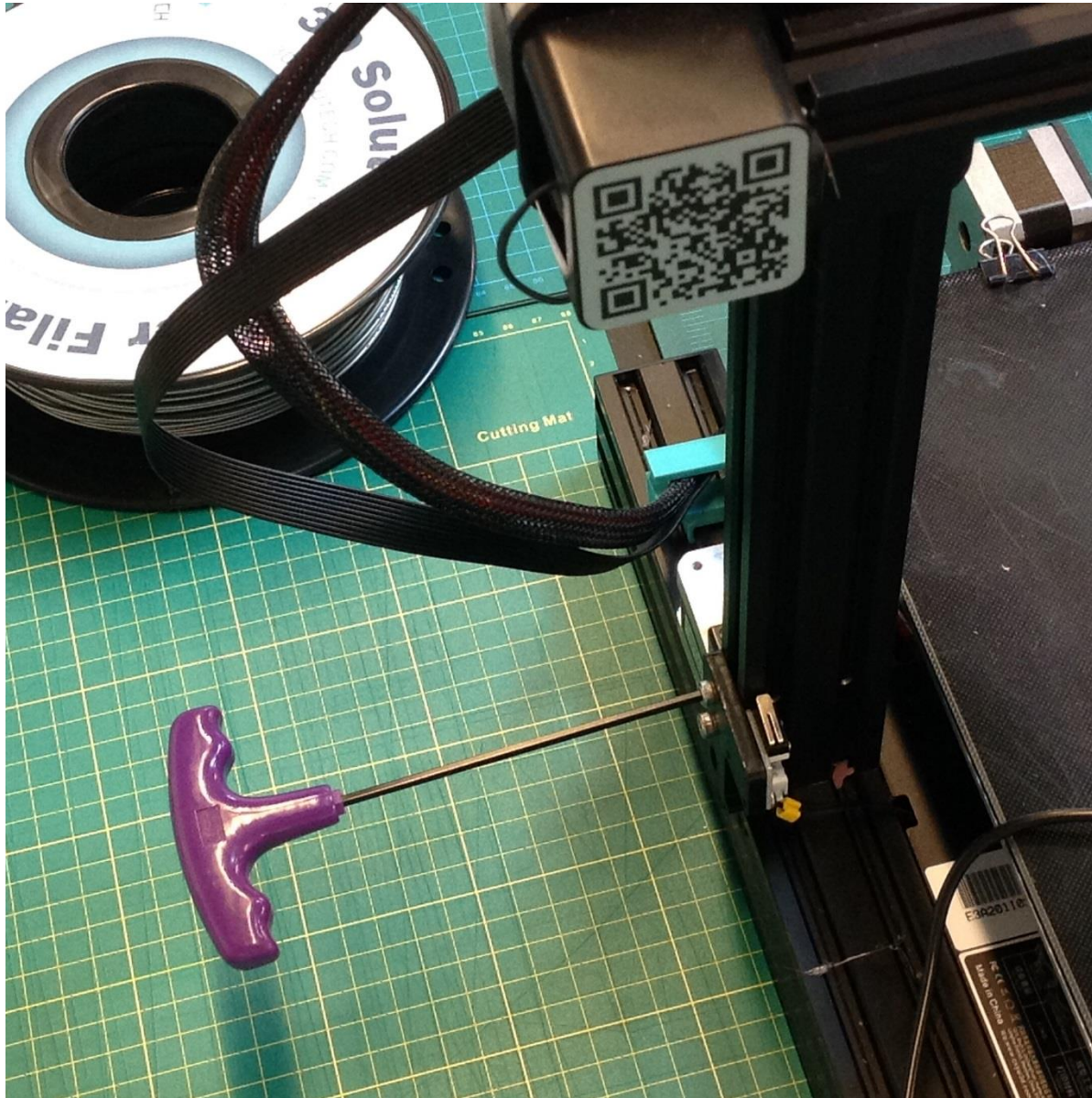
# Set Cams on X-axis







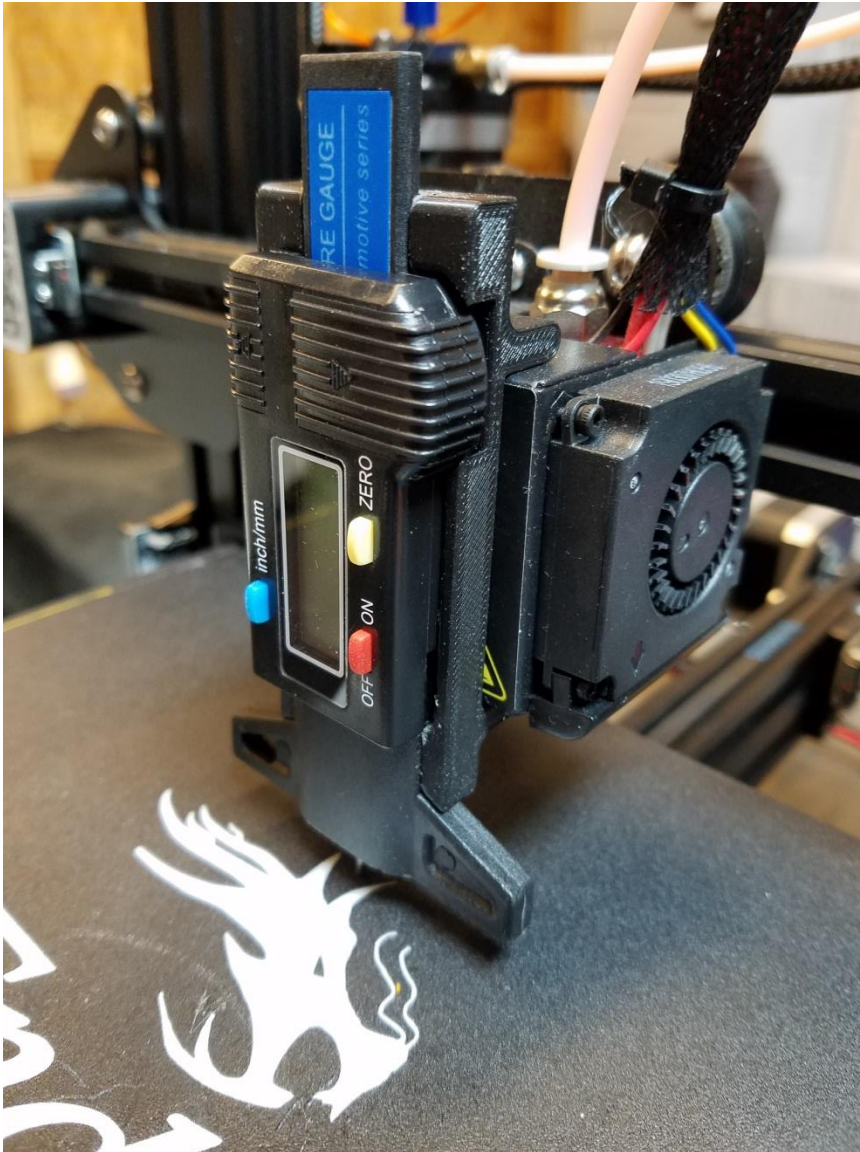
# Set Z axis Home switch



USE 2mm Spacer



# Retramming the Table





# Threading in DSM

DSM thread test - DesignSpark Mechanical

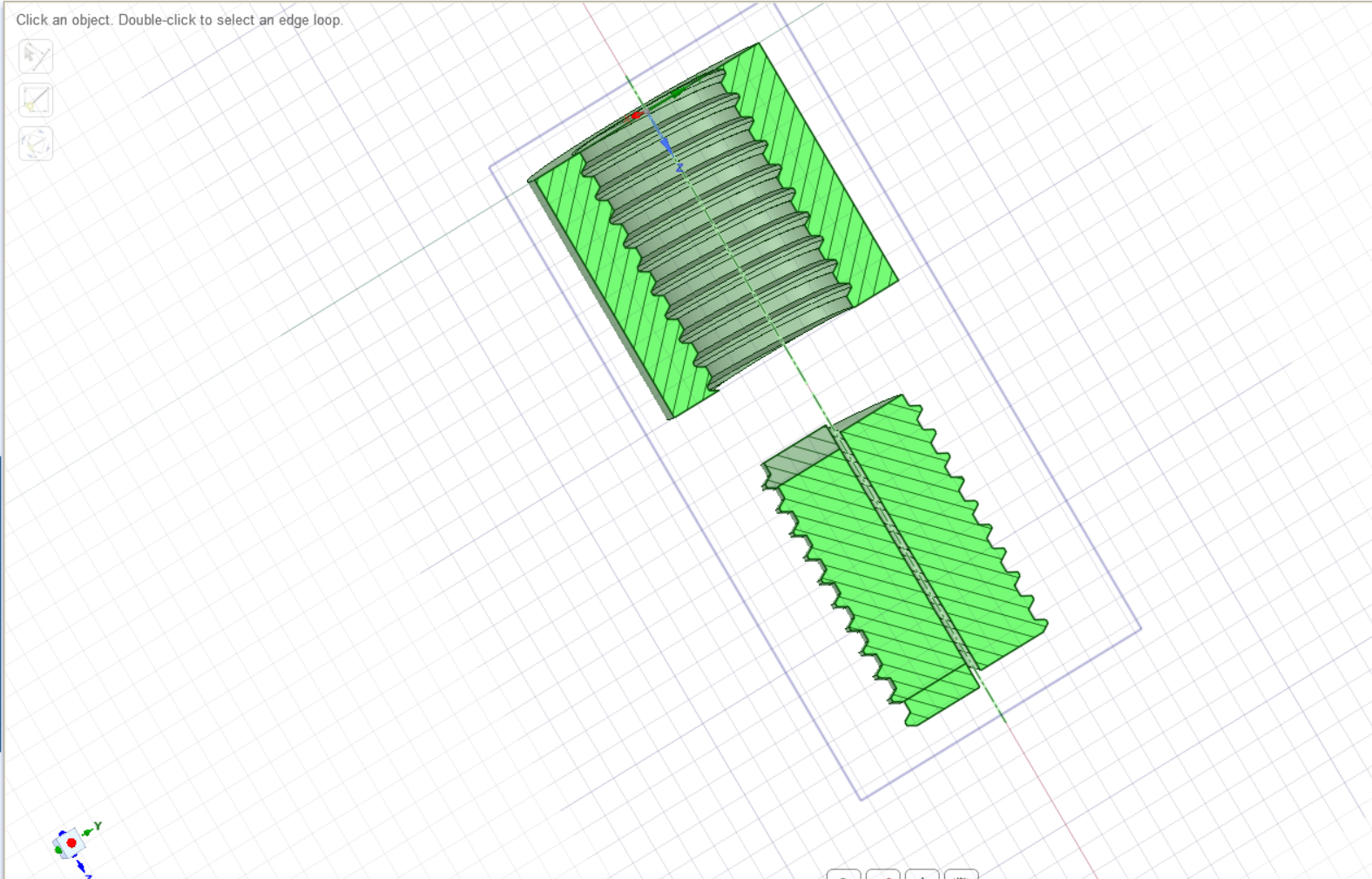
File Design Display Help/Resources

Paste Home Spin Plan View Pan Clipboard Orient Sketch Mode Edit Intersect Split Body Split Project File Import PCB Download 3D Models Export Options Output Bill Of Materials BOM Quote Order

Structure

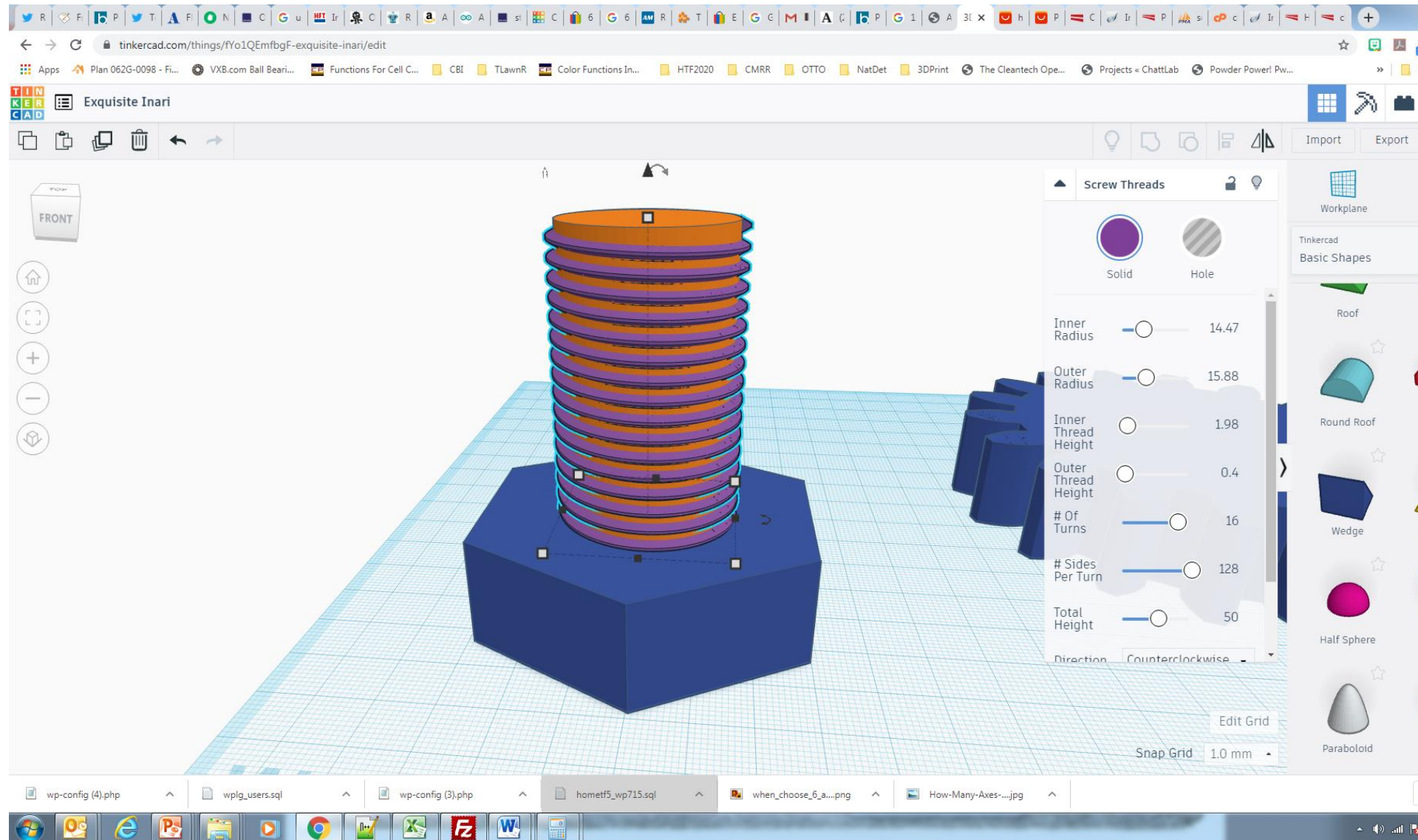
- DSM thread test
  - Surface
  - Solid
  - Solid
  - Plane
  - Plane

Click an object. Double-click to select an edge loop.





# Threading in TinkerCAD



The screenshot displays the TinkerCAD web interface. The main workspace shows a 3D model of a blue hexagonal base with a purple and orange threaded cylinder on top. The 'Screw Threads' panel is open on the right, showing the following settings:

Parameter	Value
Inner Radius	14.47
Outer Radius	15.88
Inner Thread Height	1.98
Outer Thread Height	0.4
# Of Turns	16
# Sides Per Turn	128
Total Height	50
Direction	Counterclockwise

The interface also shows a top toolbar with various icons, a left sidebar with navigation tools, and a bottom taskbar with several open browser tabs and application icons.



# Threading in OnShape



Onshape **Test2** Main

This document is view only.

Features (9)

Filter by name or type

Default geometry

- Origin
- Top
- Front
- Right

- Sketch 1
- Extrude 1
- Sketch 2
- Helix 1
- Sweep 1

Parts (1)

- Part 1
- Curves (1)

