

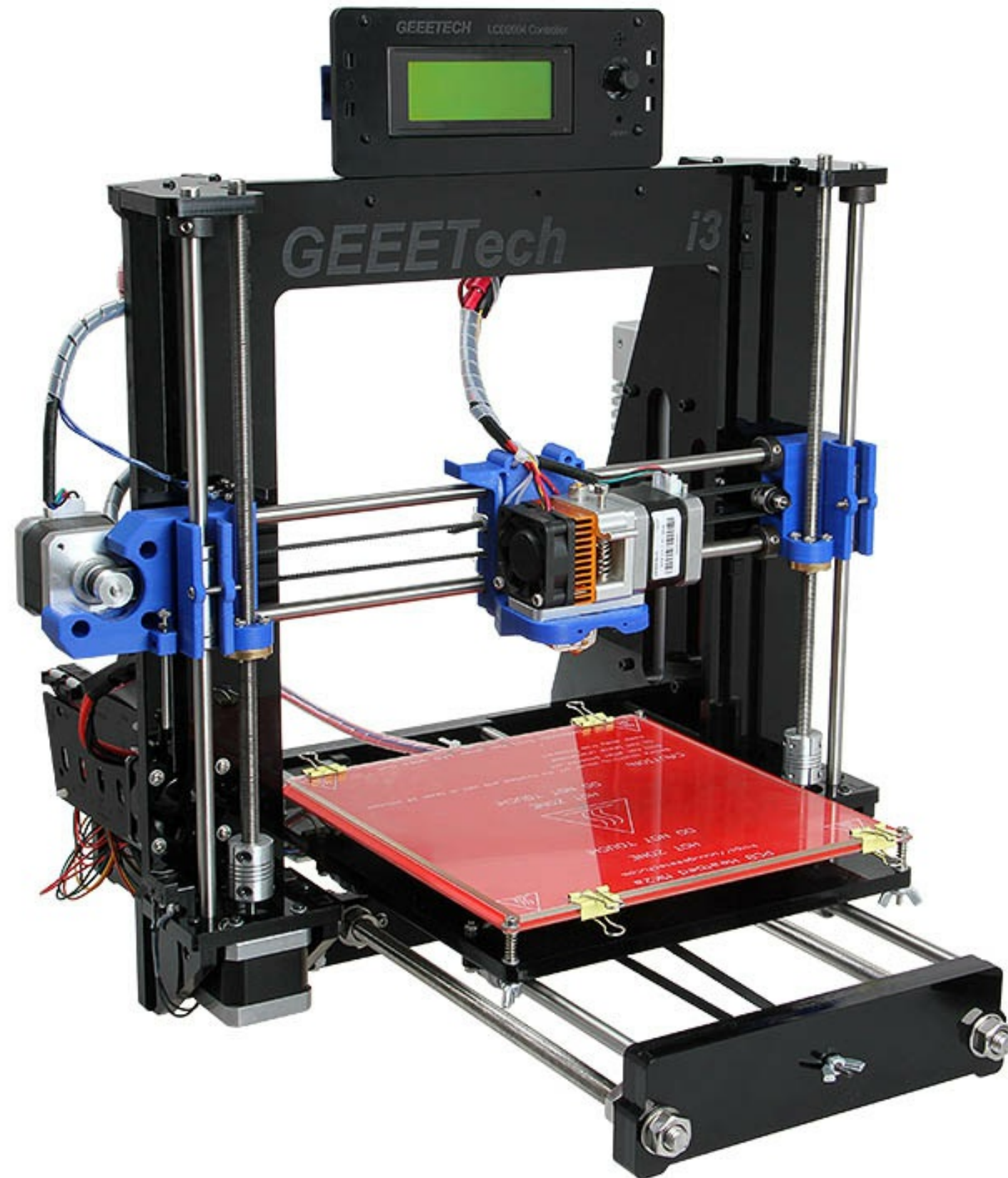
MELBPC 3D PRINTER

Presenter: Mohan Gupta

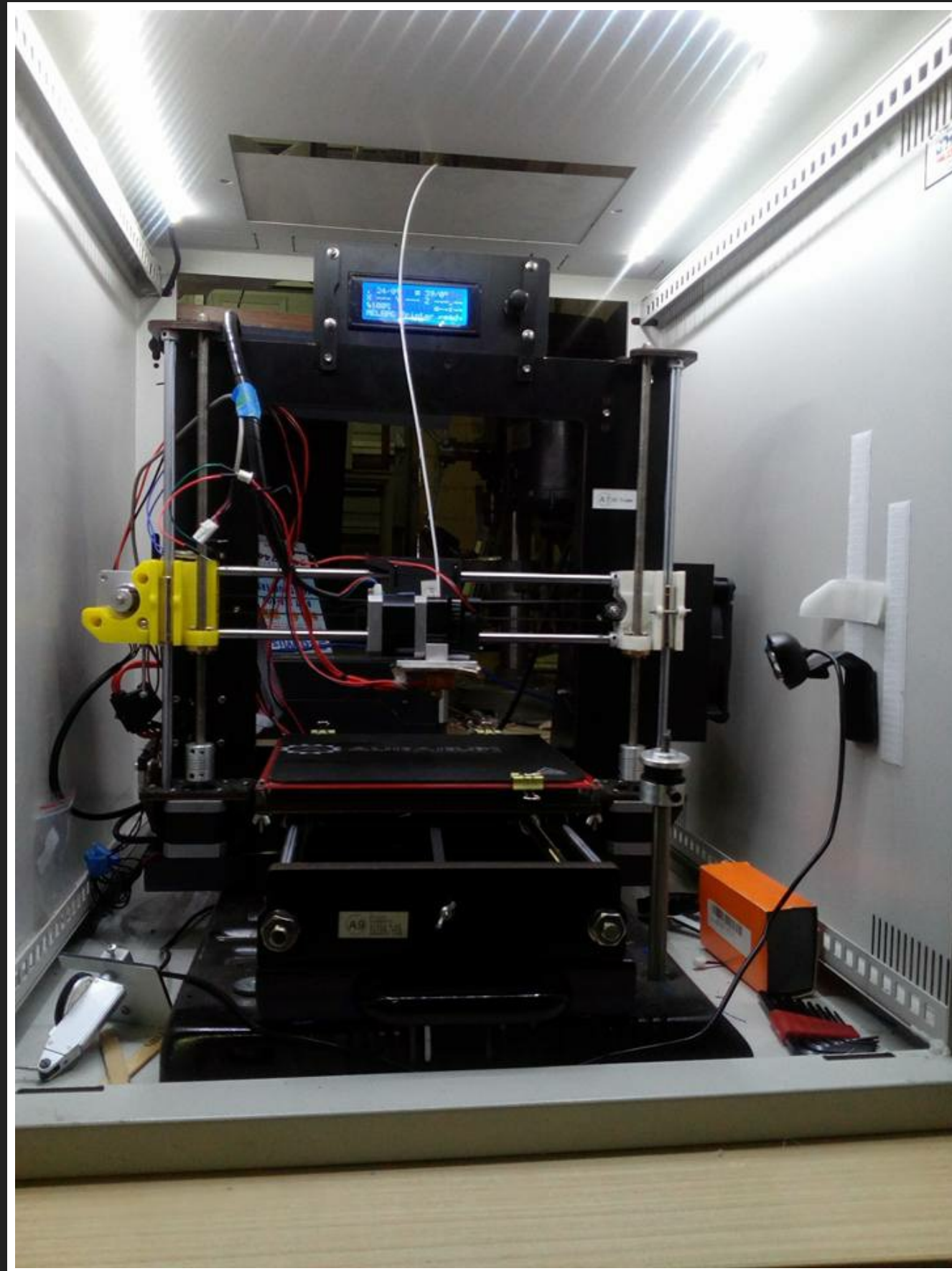
SIG Convener: Raspberry Pi SIG - Moorabbin

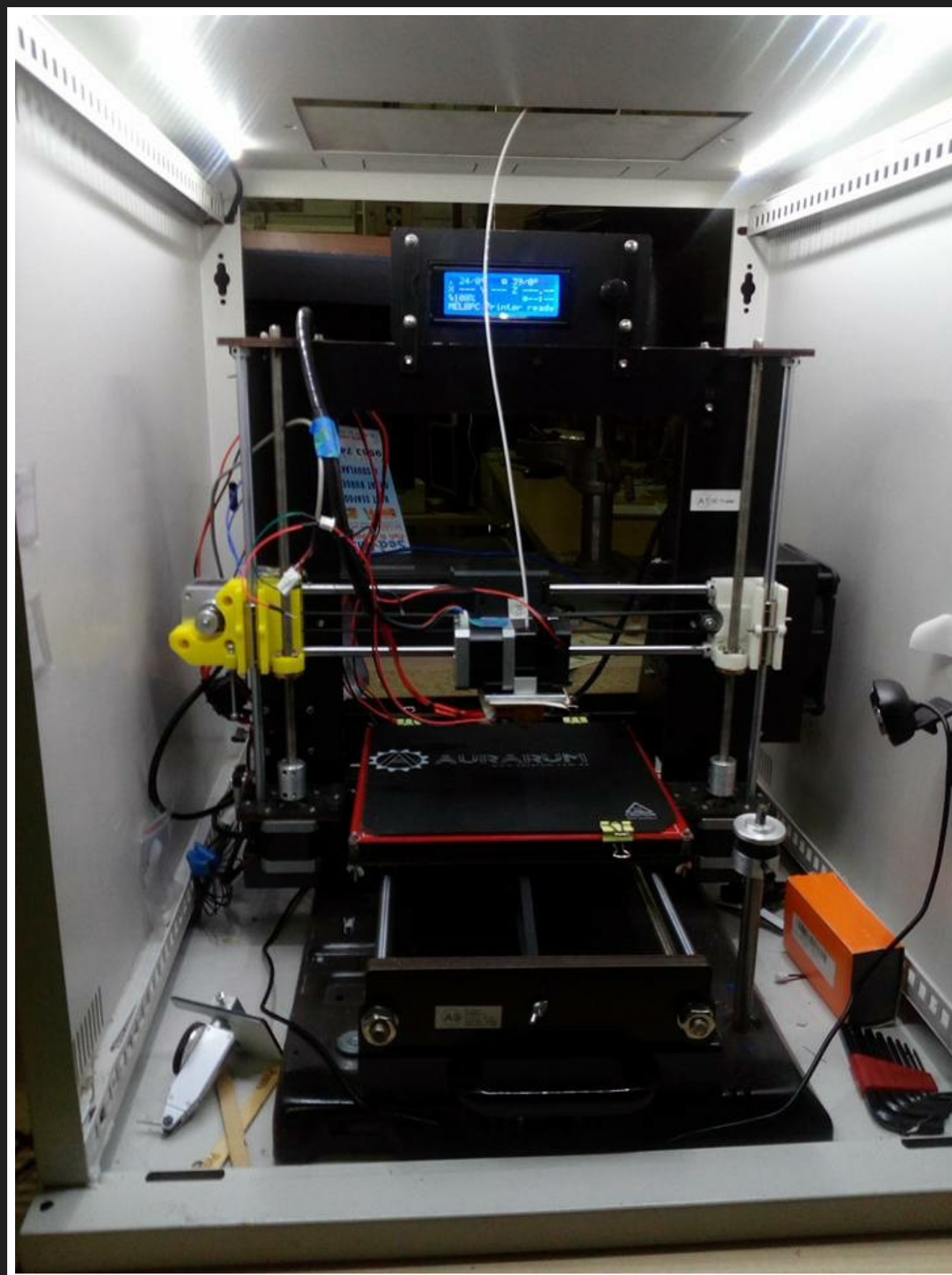
Website: <https://raspberrypisig.github.io>

**WHAT THE PRINTER KINDA LOOKS LIKE
UNMODIFIED...**

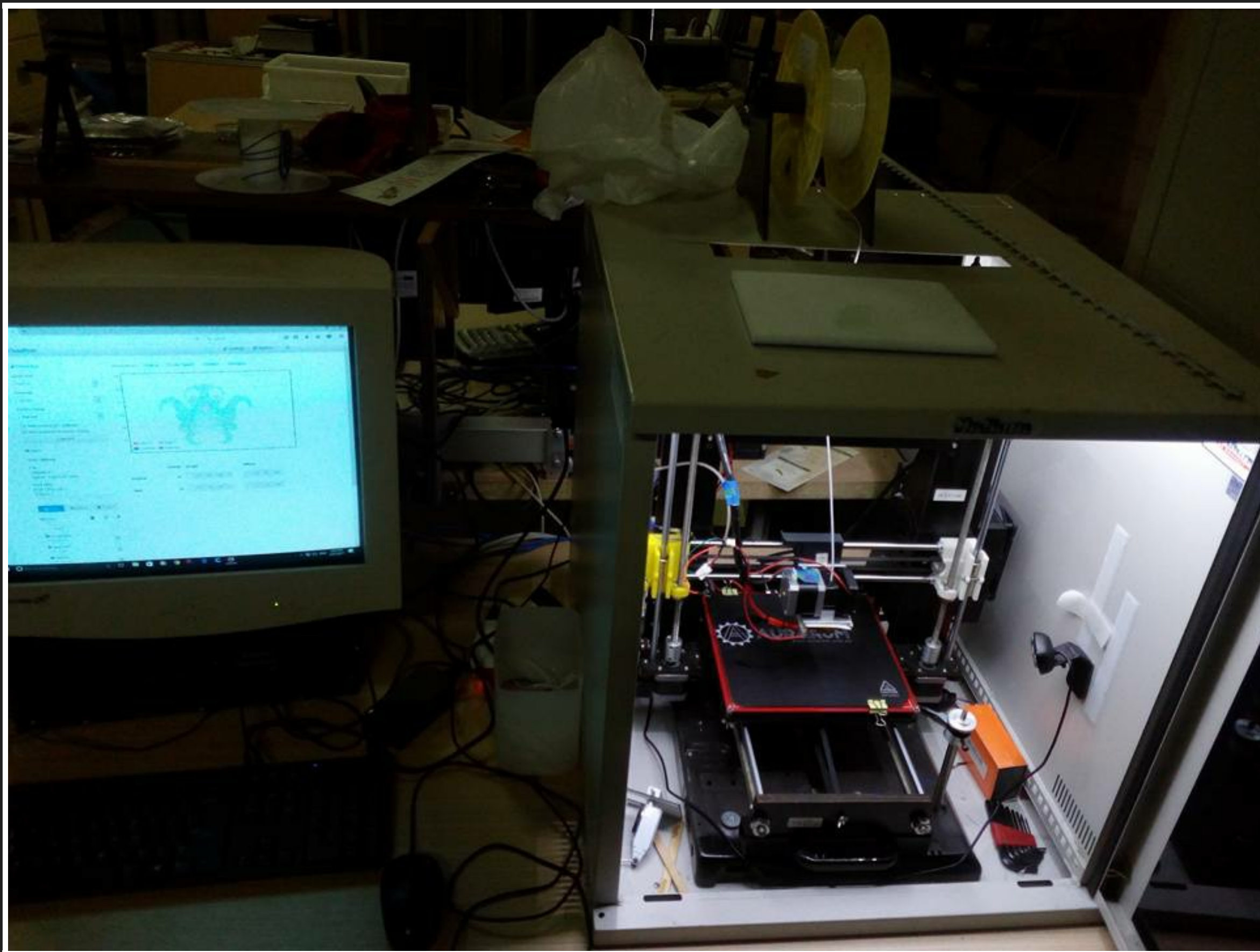


**WHAT THE MELBPC 3D PRINTER
ACTUALLY LOOKS LIKE...**



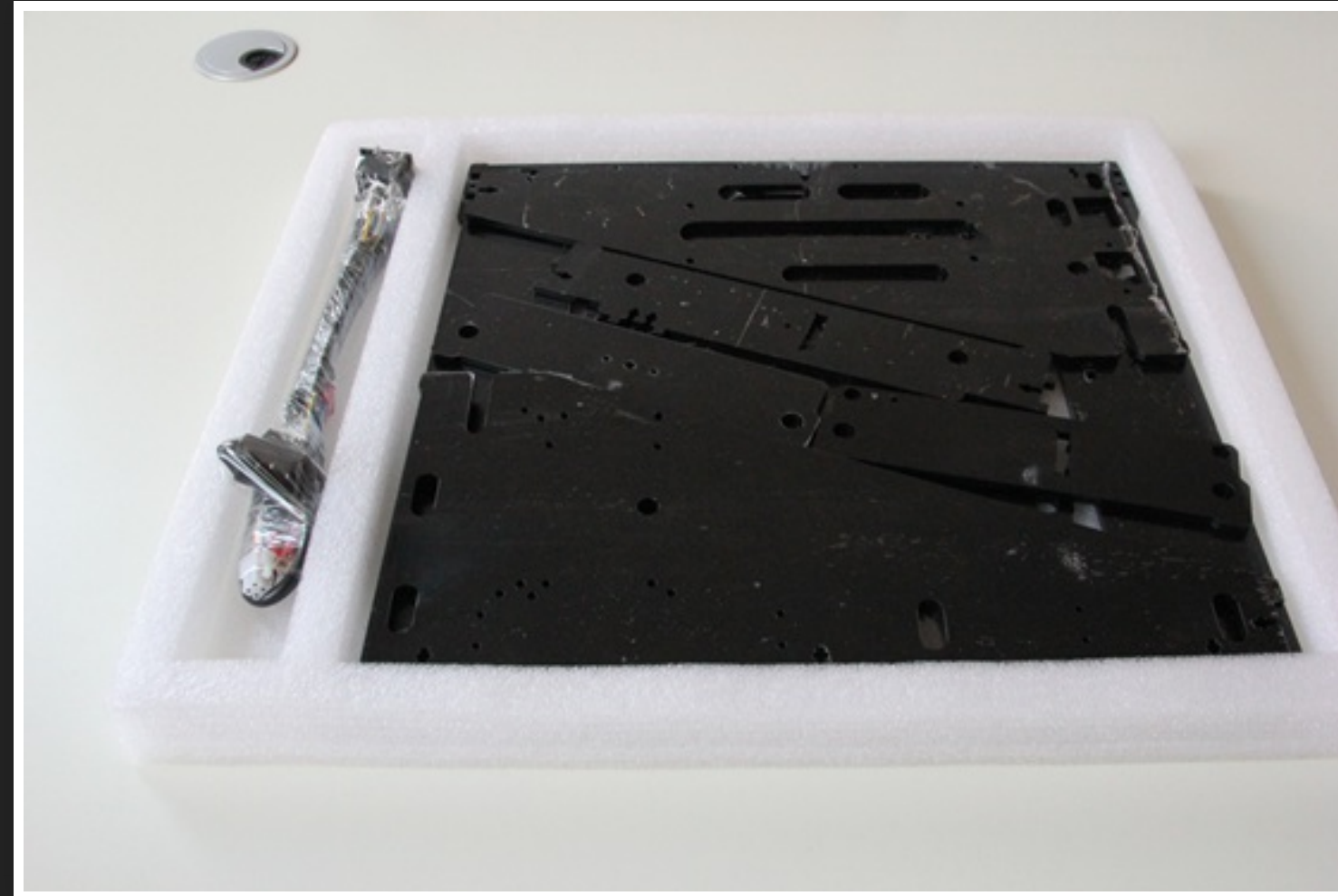


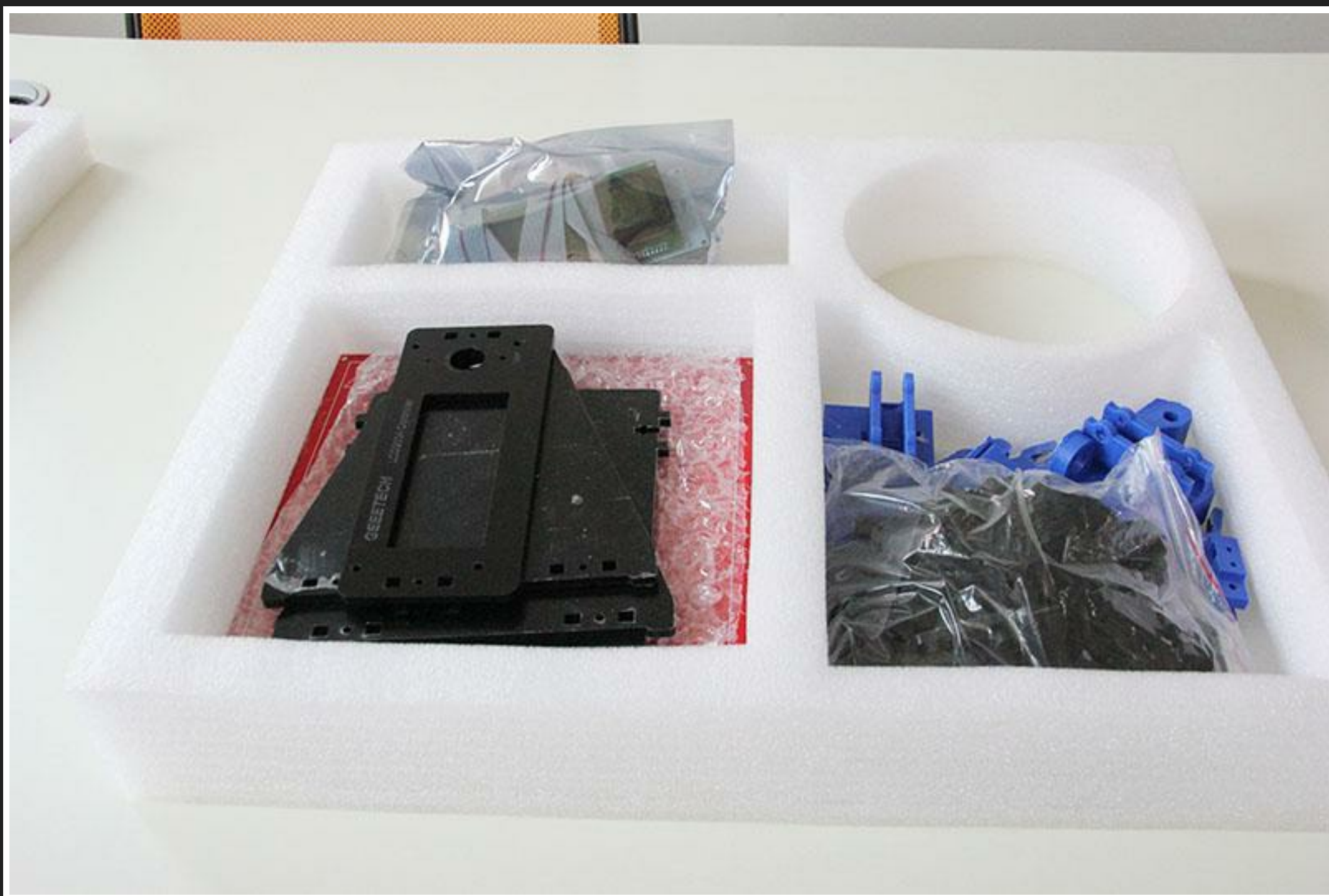




PRINTER CAME AS A KIT...

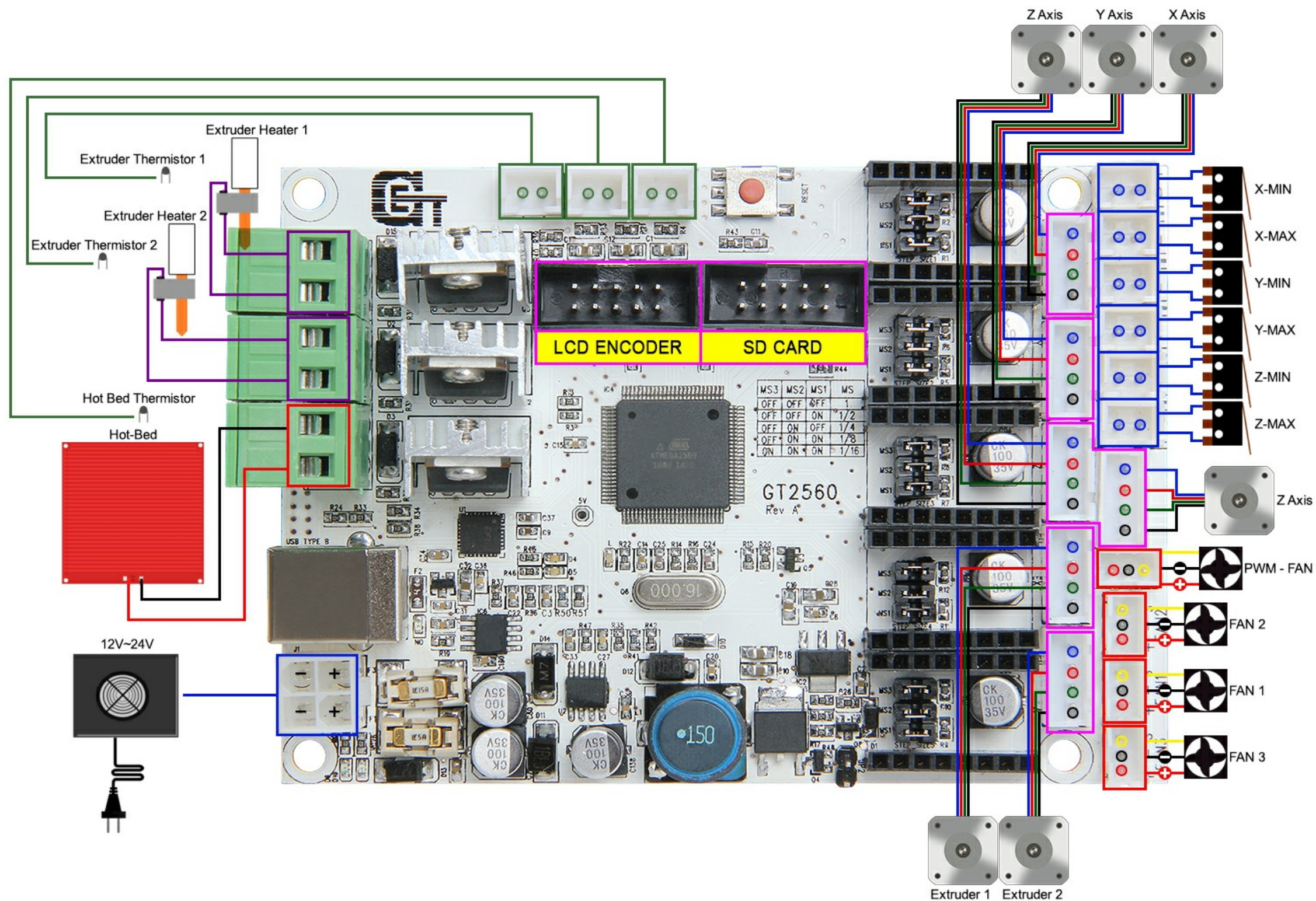




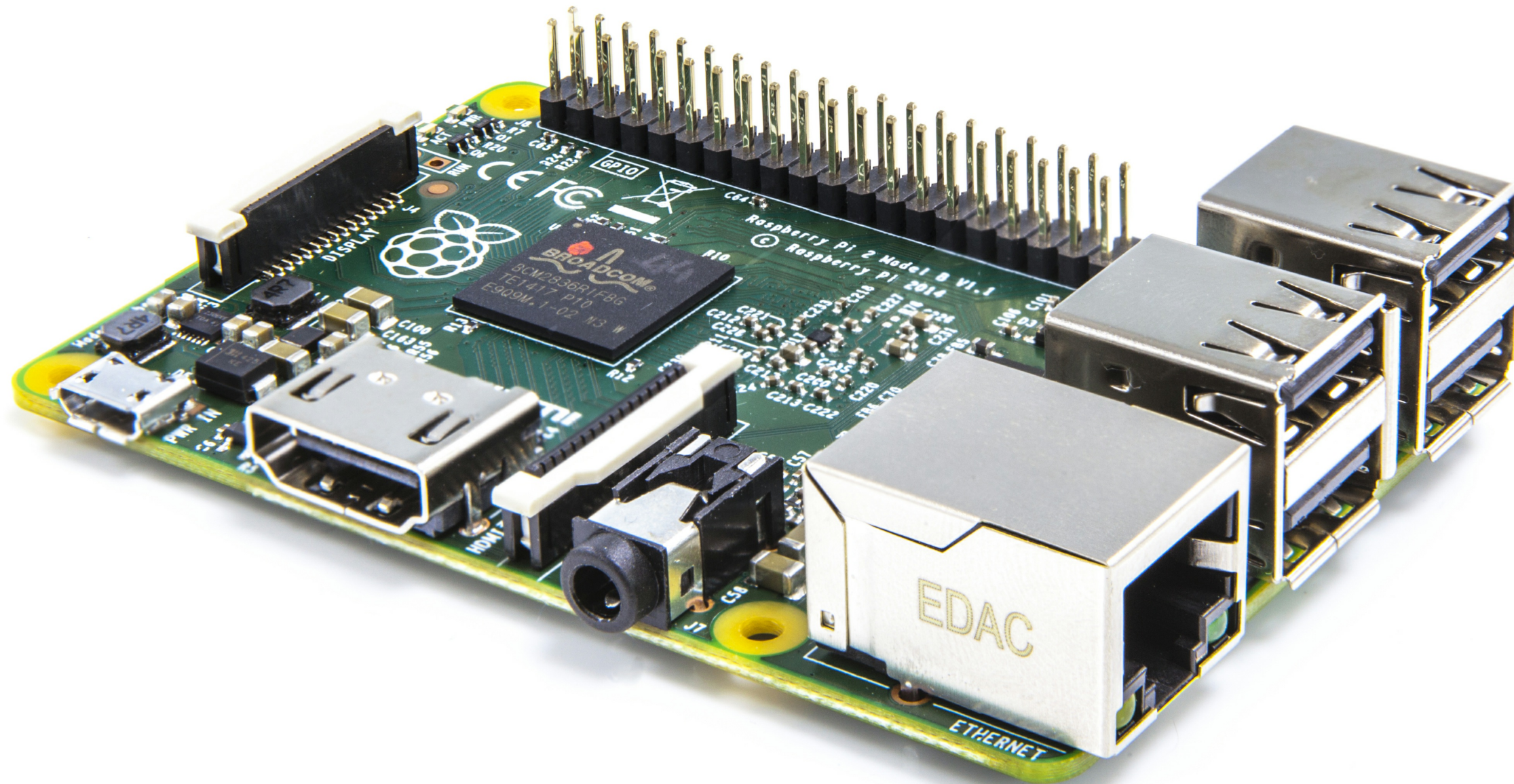




Control board (GT2560)...



RASPBERRY PI



Connection

State

Machine State: **Operational**

File:

Timelapse: -

Approx. Total Print Time: -

Print Time: -

Print Time Left: -

Printed: -

Print

Pause

Cancel

Files

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Size: 7.1MB



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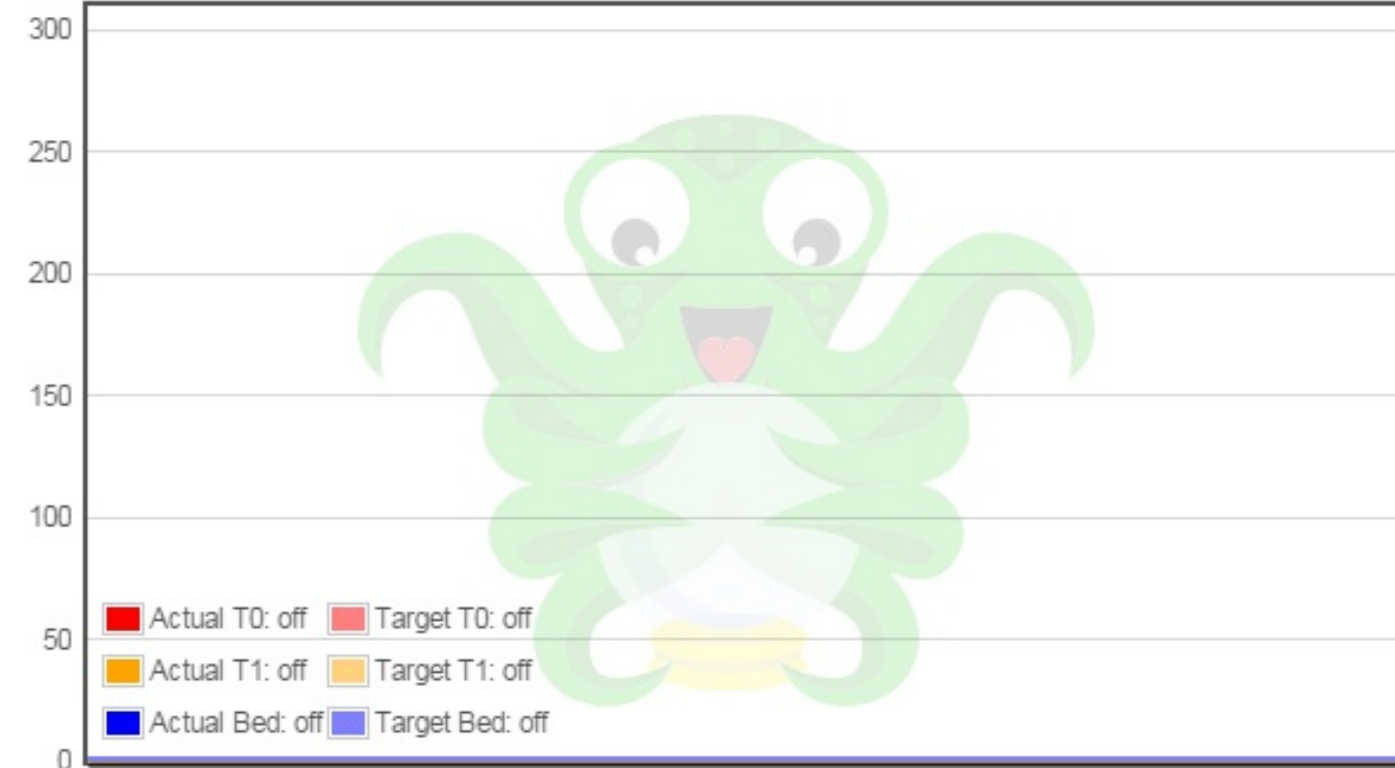
Temperature

Control

GCode Viewer

Terminal

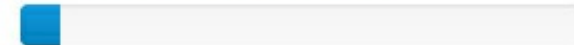
Timelapse



	Actual	Target	Offset
Tool 0	off	off °C Set	0 °C Set
Tool 1	off	off °C Set	0 °C Set
Bed	off	off °C Set	0 °C Set

[Connection](#)
[State](#)

Machine State: **Printing**
 File: **M10_x_16_mm.gcode**
 Filament:
 Estimated Print Time:
 Height: **2.20 mm**
 Print Time: **00:03:07**
 Print Time Left: **00:39:30**
 Printed: **25.6KB / 348.1KB**



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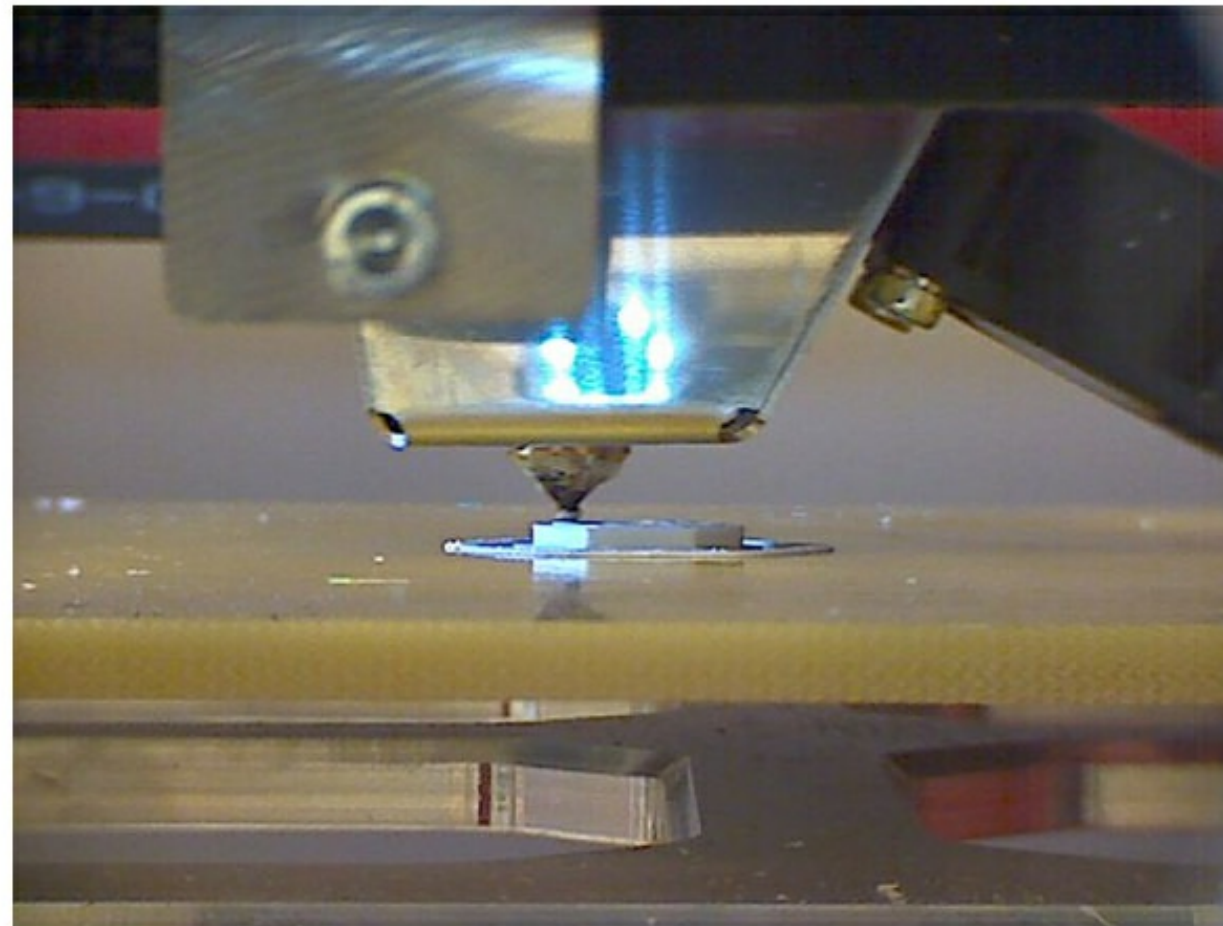
Name	Size	Action
M10_x_16_m...	348.1KB	Delete Folder Print

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[Up](#)
[Left](#) [Home](#) [Right](#)
[Down](#)

0.1 1 10 100

[Up](#)
[Home](#)
[Down](#)

5 mm
[Extrude](#)
[Retract](#)

[Motors off](#)
[Fans on](#)
[Fans off](#)

Verbindung

Status

Druckerstatus: **Drucke**
 Datei: **sharkz.gco**
 Zeitraffer: -
 Filament (Werkzeug 0): **2.08m / 5.00cm³**
 Ungefähre Druckdauer: **00:32:56**
 Druckdauer: **00:12:52**
 Verbleibende Druckdauer: **28 Minuten**
 Gedruckt: **318.1KB / 1.4MB**

Drucken

Pause

Abbruch

Dateien

Suchen...

Part_1_lg_g_watch_r_holder.stl

Hochgeladen: vor 4 Minuten

Größe: 206.0KB



Part_2_lg_g_watch_r_holder.gco

Hochgeladen: vor 4 Minuten

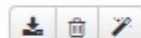
Größe: 242.9KB



Part_2_lg_g_watch_r_holder.stl

Hochgeladen: vor 4 Minuten

Größe: 11.6KB



sharkz.gco

Hochgeladen: vor 6 Minuten

Größe: 1.4MB



sharkz.stl

Hochgeladen: vor 9 Minuten

Frei: 776.3MB

Upload

Upload (SD)

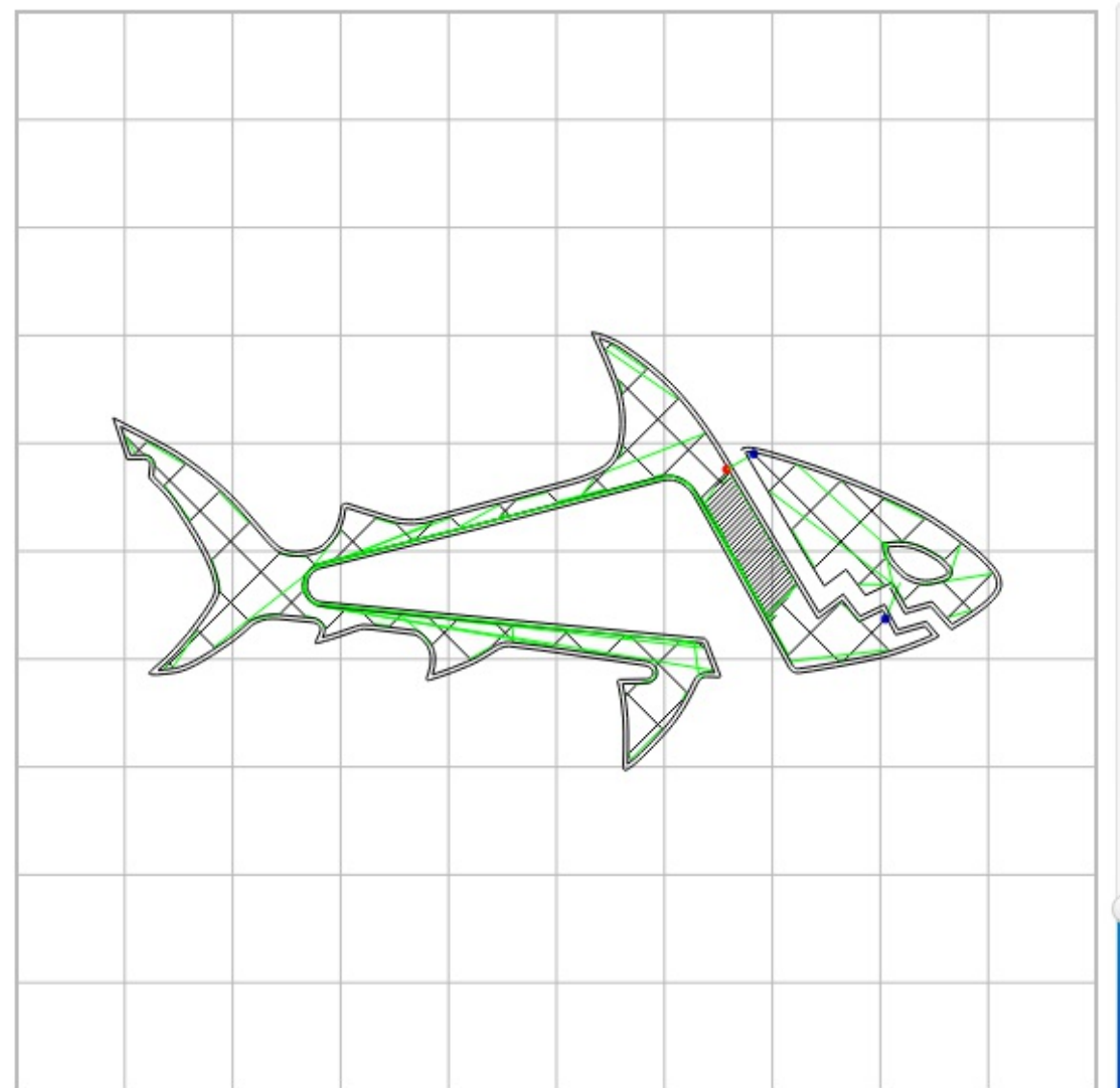
Temperatur

Steuerung

GCode Viewer

Terminal

Zeitraffer



Analysiert

Modelinformationen

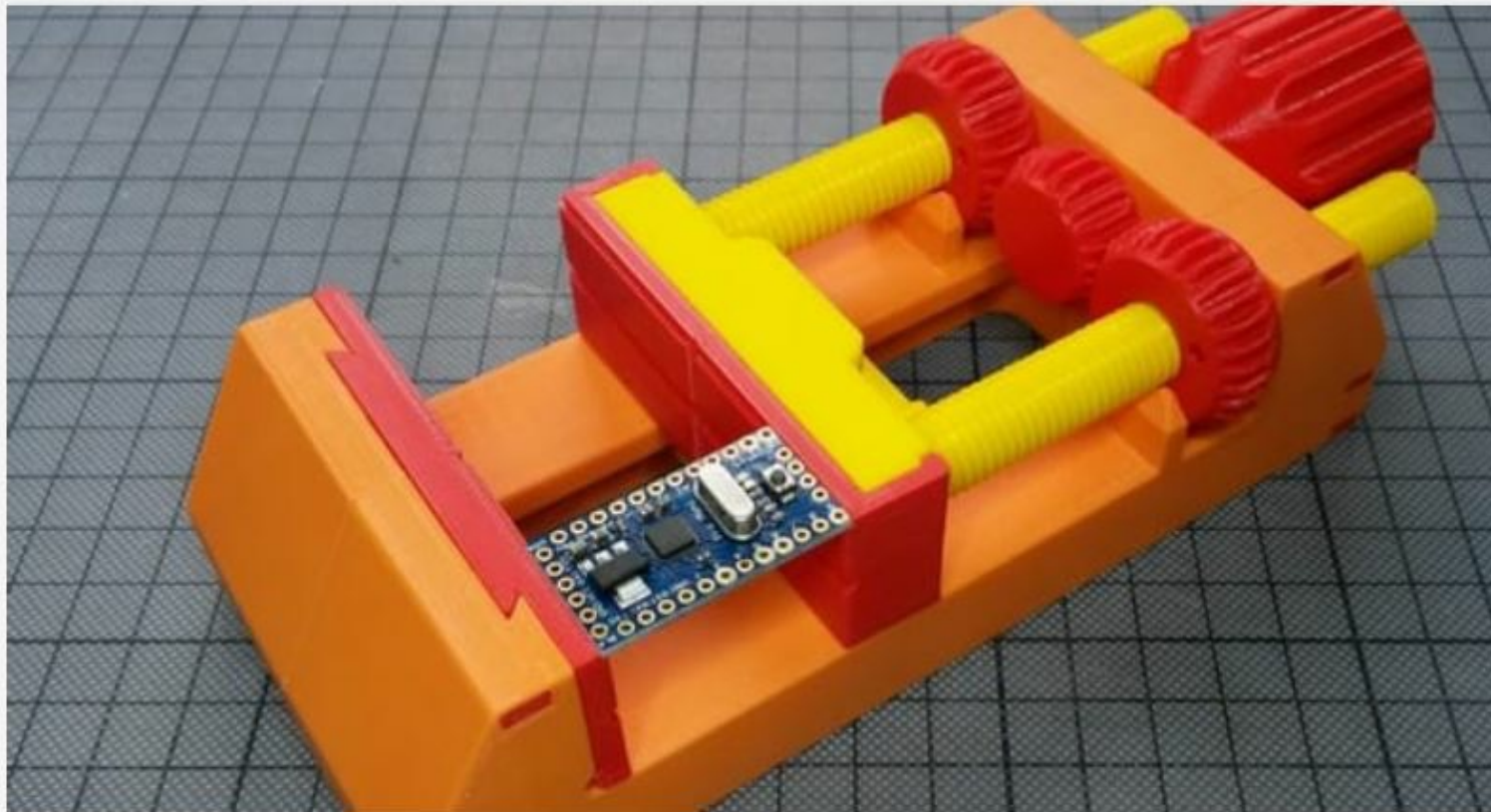
Modelgröße: 89.75mm × 47.48mm × 9.00mm
 Geschätzte Schichthöhe: 0.20mm
 Schichtanzahl: 46 gedruckt, 50 besucht

Rendereroptionen

☒ Job mit Fortschritt
 synchronisieren

STEPS TO PRINT 3D OBJECT

- Get STL file of your 3D object
- Octoprint does the rest



Thingiverse Featured

[@TheGoofy](#) calls it Yet **ANOTHER** Machine **Vise**, but it's far more interesting than that. This is a useful design and a great project. Be sure to watch the accompanying video. You just might learn something.

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Toilet Paper Holder Toothbrush Holder

743 807 17



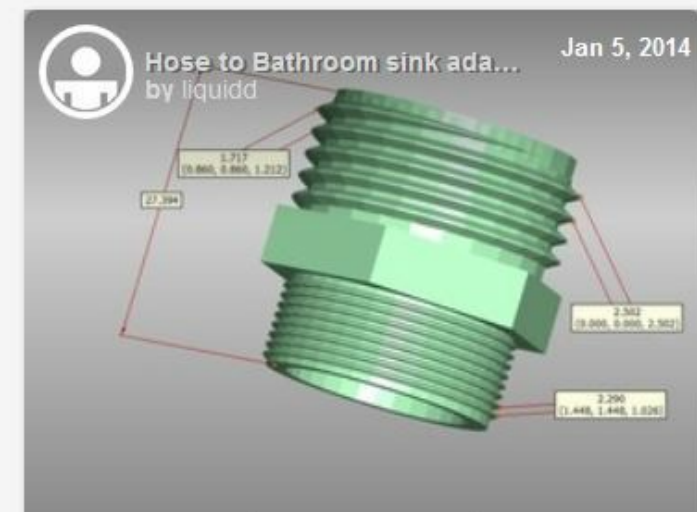
155 189 11



171 228 2



117 140 5



Top



Bathroom Wine Glass Holder

by Stu_Dkn, published May 29, 2014



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11



I Made One

4



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1



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2



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Contents

Summary

Instructions

 Tip Designer

 Report Thing

Tags

Add Tags

bathroom

sucker

suction_cup

Wine

wineglass

License



Bathroom Wine Glass Holder by **Stu_Dkn** is licensed under the **Creative Commons - Attribution** license.

Summary

A wine glass holder for those moments in life when you require alcohol in the bath!

Sorry about the picture I only had pop left ;-)

Suckers came from ebay just search for "Suction Cup 40mm Round Button"

For the best effect please follow the instructions implicitly!

Instructions

- 1) Fetch glass
- 2) Add wine to glass
- 3) Print it
- 4) Add suckers, mine came from ebay just search for "Suction Cup 40mm Round Button"
- 5) Fix holder to tiles
- 6) Refill glass with wine
- 7) Fill Bath!
- 8) Refill glass with wine
- 9) Insert glass into holder
- 10) Enter bath
- 11) Refill glass as required
- 12) Enjoy

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File Name	Downloads	Size
 Wine_Glass_Holder.stl Last updated: 05-29-14	913	74kb
 Wine_Glass_Holder.dxf Last updated: 05-29-14	573	532kb



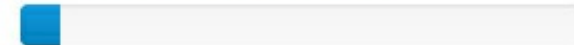
Bathroom Wine Glass Holder by Stu_Dkn is licensed under the **Creative Commons - Attribution** license.

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[Files](#)

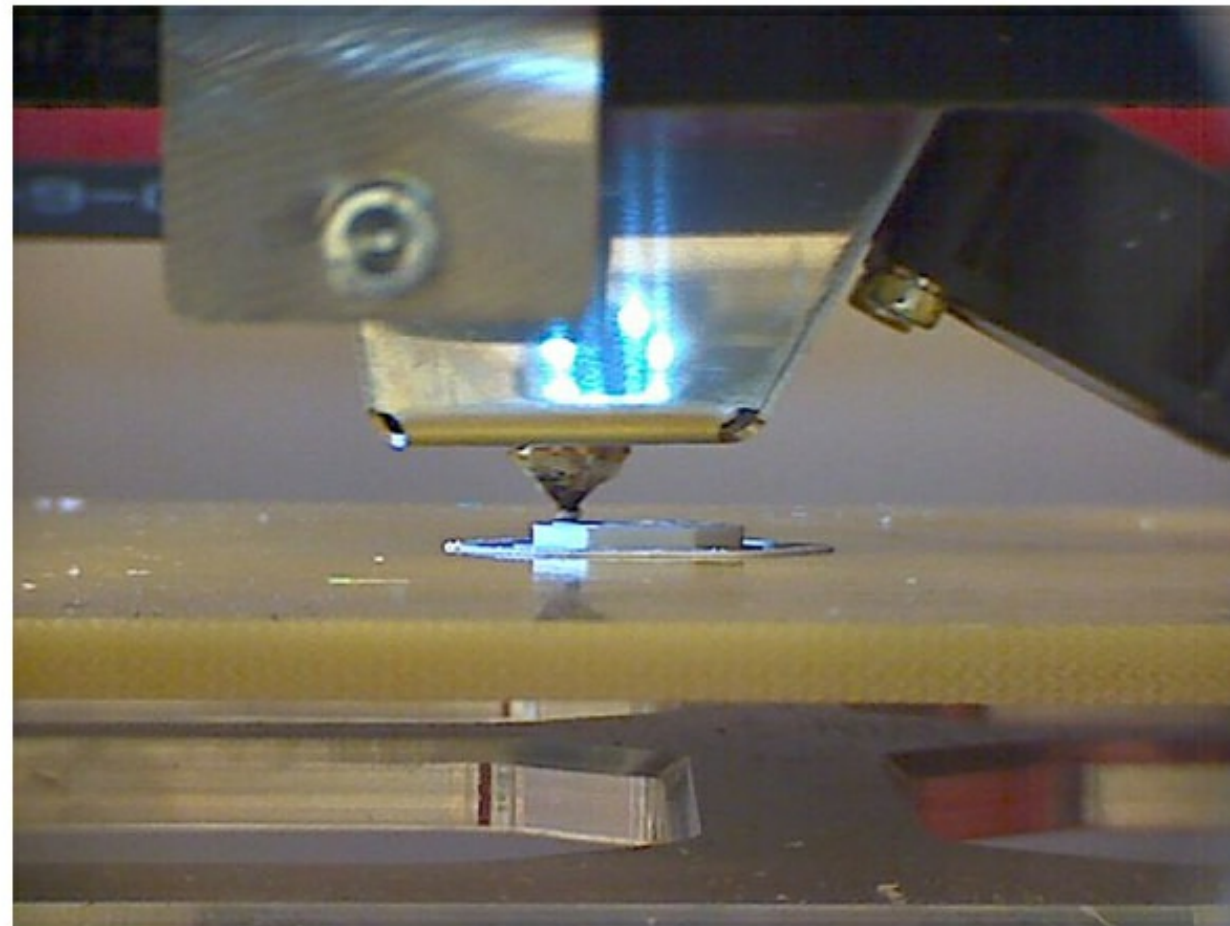
Name	Size	Action
M10_x_16_m...	348.1KB	Delete Folder Print

Free:

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0.1 1 10 100

[Up](#)
[Home](#)
[Down](#)

5 mm
 Extrude
 Retract

[Motors off](#)
[Fans on](#)
[Fans off](#)

Slicing twodollartokeninstructables-scaled-952

Please configure which slicer and which slicing profile to use and name the GCode file to slice to below, or click "Cancel" if you do not wish to slice the file now.

Slicer

CuraEngine

Slicing Profile

testing03

Printer Profile

Default

Output Filename

twodollartokeninstructables-scale.gco

After slicing...

Select for printing

Do nothing

Select for printing

Start printing

Cancel

Slice

OctoPrint Settings



PRINTER

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PLUGINS

[CuraEngine \(<= 15.04\)](#)

General

Specify the path to the CuraEngine binary. Note that only **versions up to and including 15.04** are supported. CuraEngine version 15.06 or newer is **not** compatible with this plugin.

Path to CuraEngine

☐ Log the output of CuraEngine to plugin_cura_engine.log

Profiles

Sort by: [Identifier \(ascending\)](#) | [Name \(ascending\)](#)

Identifier	Name	Actions
infill50	infill50	★ 🗑
supporteverywhere-100infill	supporteverywhere-100infill	★ 🗑
★ testing03	testing03	★ 🗑
testing100percentinfill	testing100percentinfill	★ 🗑

For more information on configuration and usage please [see the Plugin's homepage](#).

DEMO

MODIFICATIONS

- Enclosure & LED Lighting
- Computer power supply
- Metal base for increased rigidity

PROBLEMS

- Print not sticking to bed
- Print warping or stringy
- Filament jams

SOLUTIONS

- Level Bed (use dial indicator)
- Buildtak/ PEI sheet (eg.
<http://www.aurarum.com.au/accessories/334-flasforge-build-surface-similar-to-buildtak.html>)

REFERENCES

Technical documentation:

<https://github.com/microcontrollersig/melbpc3DPrinter>

Shopping Trolley Token:

<http://www.instructables.com/id/Removable-shopping-trolley-tokens>