Oak Compact Joystick - A
3D PRINTING GUIDE

3D Printing Summary

Metrics	Enclosure
Total Print Time (hr:min)	4:42
Total Number of Components	2
Typical Total Mass (g)	62.6
Typical Number of Print Setups	1

3D Printing Settings

Print File Name	Qty	Total Print Time (hr:min)	Mass (g)	Infill (%)	Support (Y/N)	Layer Height/ Nozzle Diameter(mm)	Notes (orientation, special settings, etc.)
Enclosure_Top v0.2.stl	1	2:31	35.36	20	N	0.2/0.4	- Print in given orientation
Enclosure_Bottom v0.2.stl	1	2:11	27.24	20	N	0.2/0.4	- Print in given orientation
Optional Prints							
Joystick_Camera_Mount_ Adapter v0.2.stl	1	0:54	8.5	20	Y	0.2/0.4	- Print in given orientation
Convex_Topper v0.2.stl	1	0:29	6.46	20	N	0.2/0.4	- Print in given orientation
Concave_Topper v0.2.stl	1	0:42	8.46	20	N	0.2/0.4	- Print in given orientation
Cylindrical_Topper v0.2.stl	1	2:18	22.29	20	N	0.2/0.4	- Print in given orientation - Print with 6 perimeters
Goalpost_Topper v0.2.stl	1	3:25	35.84	20	Y	0.2/0.4	- Print in given orientation - Put a support blocker on the central mounting hole

Post-Processing

- Remove any bumps or zits from the surface where the enclosure meets the lid.
- Remove any supports from the camera mount and goalpost topper if printed.
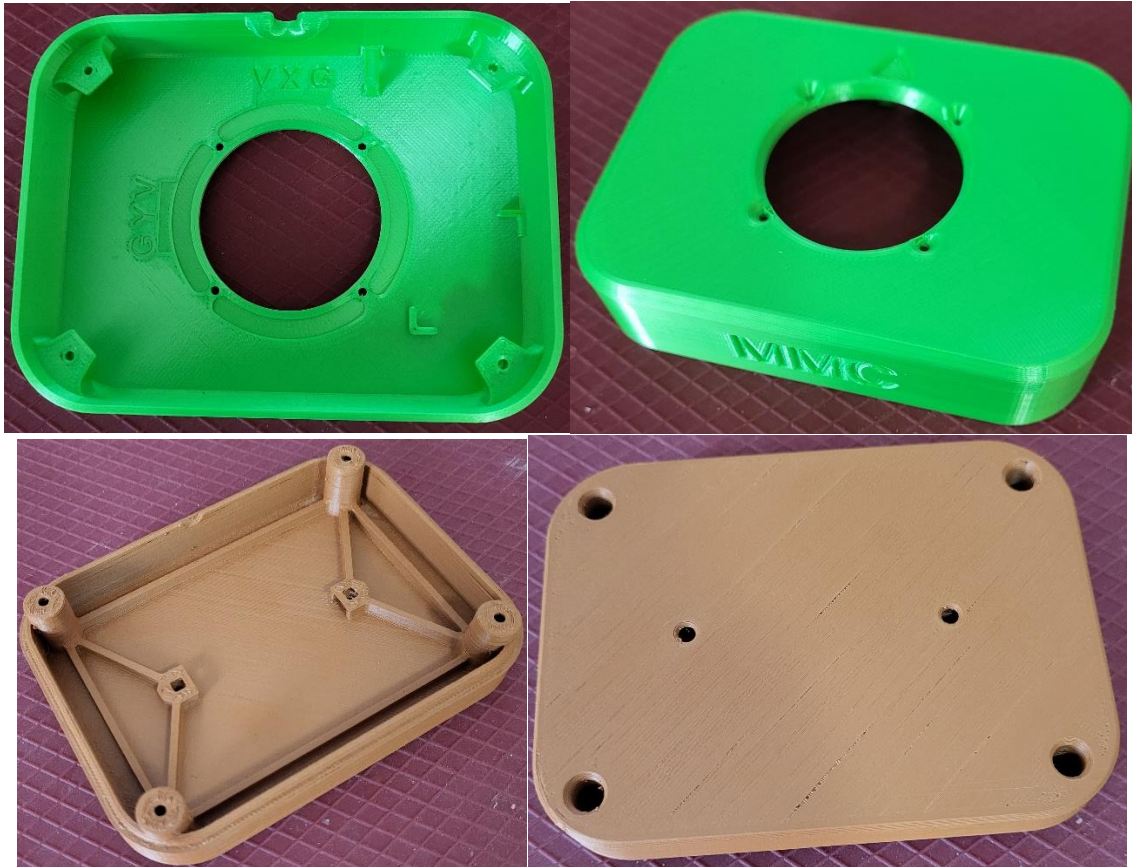
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Customization Options

- Joystick housing can be printed in multiple colours.
- The joystick camera mount adapter is an optional add-on for mounting using ¼-20 threads
- The optional topper prints can be used to customize the joystick to users. Extra materials such as foam, felt, instamorph, etc. can also be added to further customize the joystick toppers.
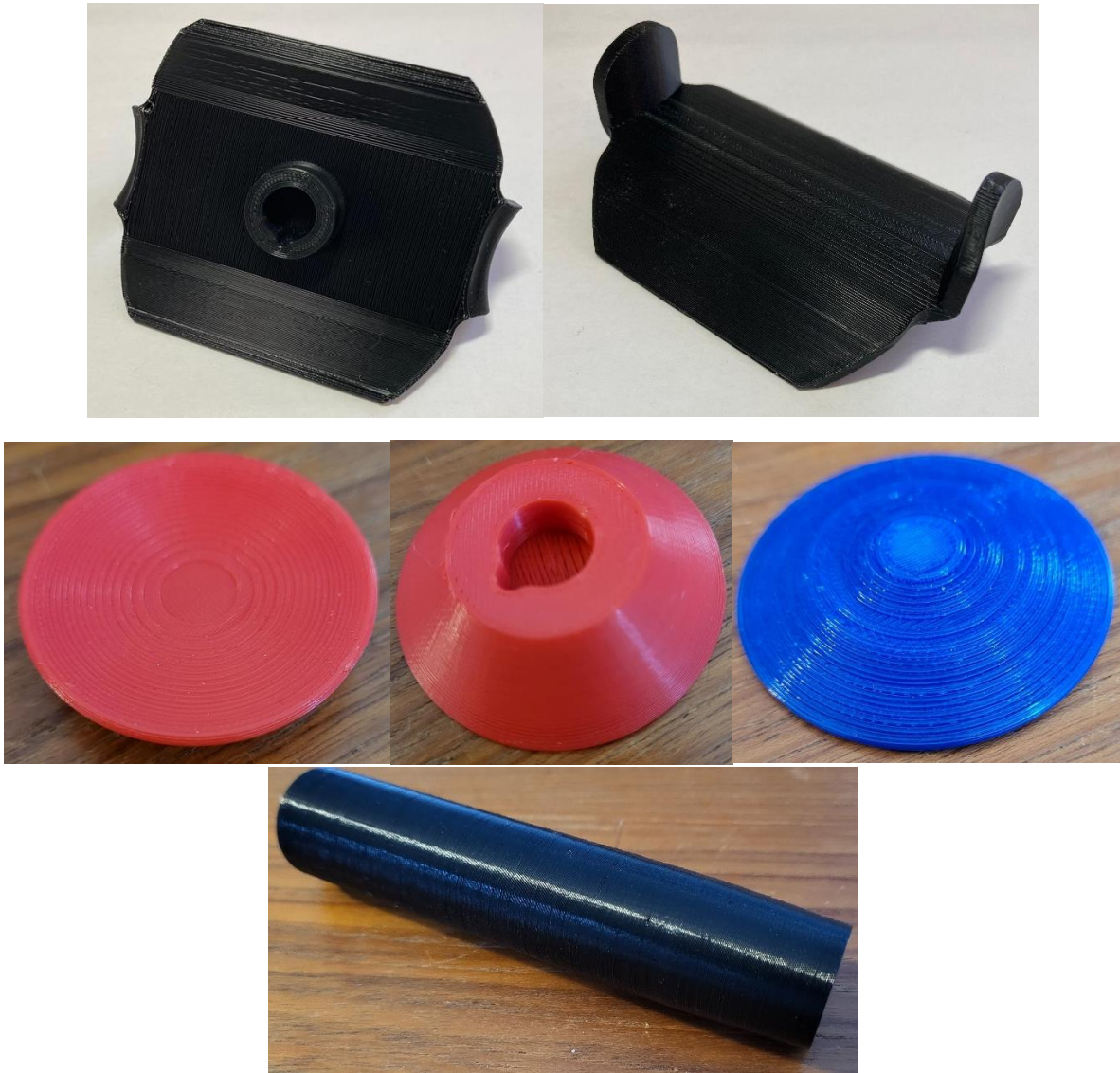
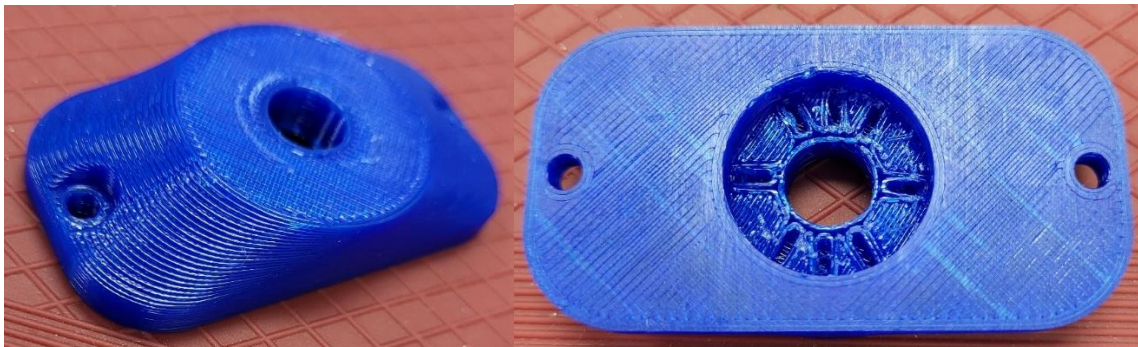## Examples of Quality Prints

Photos of the Enclosure

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Makers Making Change
A Neil Squire Program

Photos of Toppers

Photos of Camera Mount