

Racing Rig & Video

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Background on project

- This is a racing rig similar to gt3 cockpit specs. It's made of all plywood.
- Building it to race in tournaments
- Recording myself racing using a multicam set up



Material needed for the rig

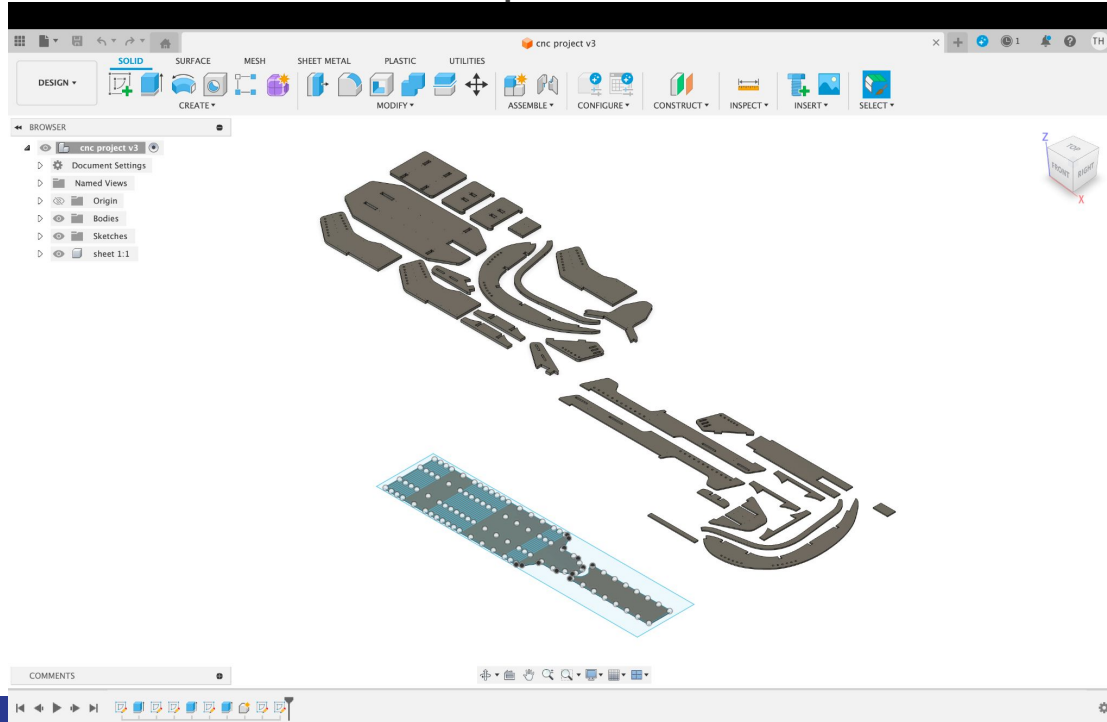
- #2- 4'x8'x $\frac{3}{4}$ " smooth finish plywood
- #1- 4'x8'x $\frac{1}{4}$ " smooth finish plywood
- - \$163.52 and homedepot

This is to cut on the Cnc machine, All the hardware needed in in the shop cage.

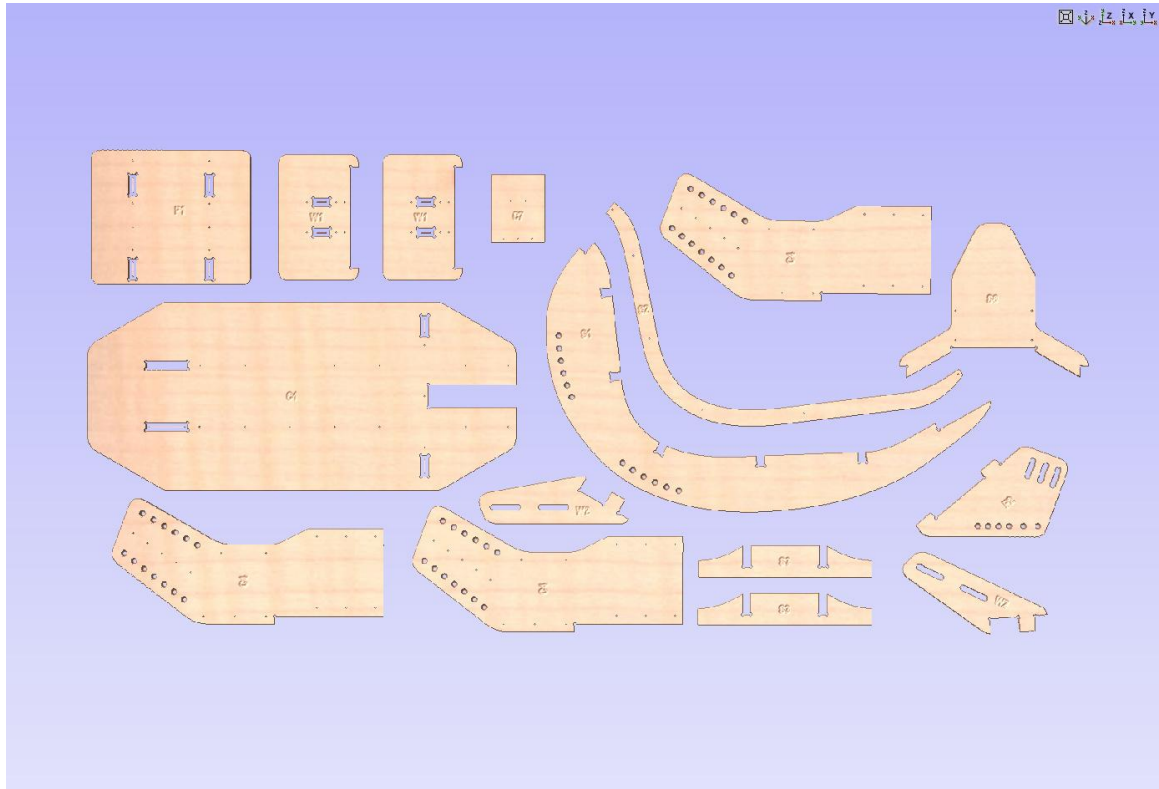


Fusion 360

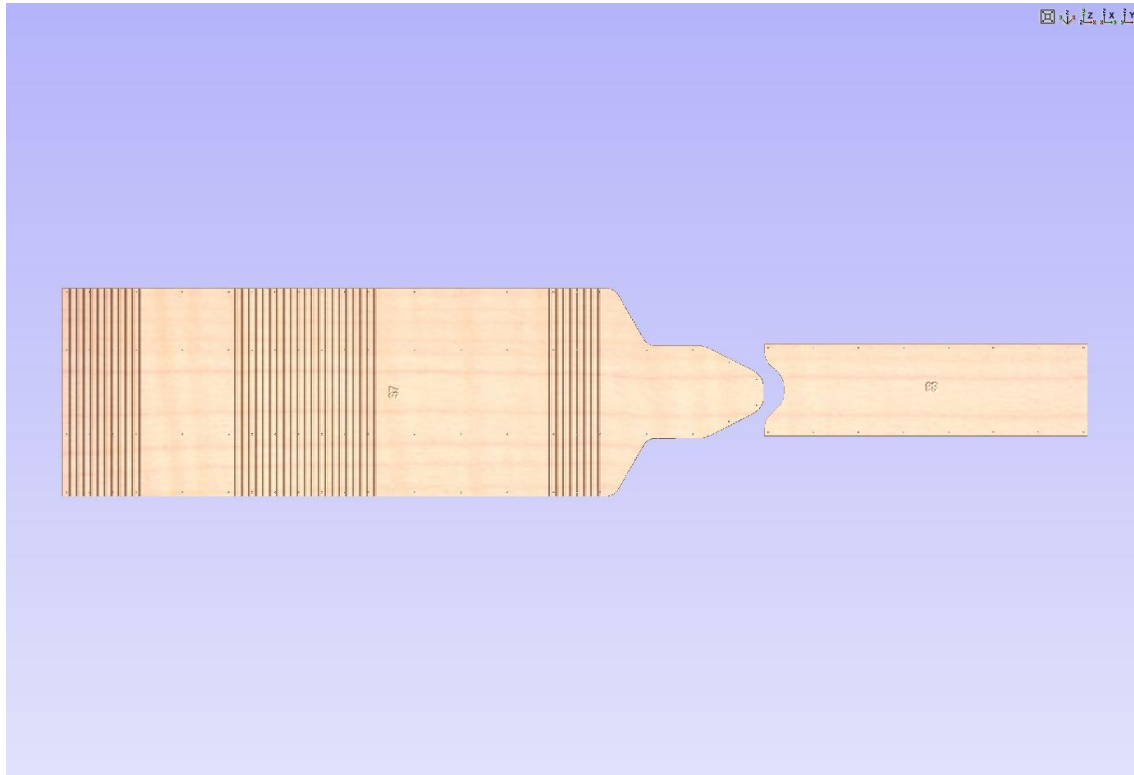
The files that i originally had were from the EU and the current cnc machine we have could not read it. So with the help of Rudy, we were able to launch the 2d file which was a dxf file and extrude the parts.



CNC FILES



CNC FILES



Video Approach

Face cam- Fujifilm x100v 50mm tele lens

Foot cam- DJI pocket 3

Steering cam- Fujifilm xt5 18-50 sigma lens

Game- Ps5- F1-23 or GT7

Steering wheels and pedals- Fanatec or thrustmaster (still deciding)

- Race will 20 laps around spa but i start off in last place and make my way to 1st



Obstacles

The only main obstacle was everything was in metric.

- The ply was in metric, so now i have to cut the wood down to the exact specs.
- The bolts and hardware were classified under M but luckily i had the bolts from my racing era.
- Also learning the CNC machine with fusion
- Buying all the correct bits



Next steps

- I will be setting tools paths for all my parts which basically is the actual cutting of the wood using the cnc router.
- Labeling all my wood and stain it
- Build the rig
- And finally set up my video setup to race and record.
- The finished result should be a 3 cam race.



Thank you



