

- Sprint Backlog

- It is close to the end of sprint 3, but most of the projects are far from done, unfortunately
- Oven building might not happen due to limited resources
- John is making bulkheads
- Nick is doing nozzle strain
- CFD film cooling is at a halt. If someone wants to research film cooling, they can feel free to do so
- H&H Metals in Denver may have metal sheet stocks:
 - <https://h-hmetals.com/sheet-metal-stock-denver/>
- Test stand mounting - not a lot of progress yet. Thinking of going with threaded rods unless there is a better method we have not considered yet. We should probably do a design review with Ender/Nabity - if that fails, it would be terrible
- Engine 2 injector alignment - done
- Jalapeno Computer - the code is basically done. What's going on with the thermocouples
 - As far as thermocouples, we need those, but they are not active feedback, only data collection.
 - Pressure transducers - no need for active feedback for version 1.
 - Still need to figure out if PCB needs to be used and clean up the wiring
 - Code is pretty much done
 - It would be FREE!!!
 - Ian is tasked with finding potential pressure transducers - Patrick will send him the requirements
- Valve team
 - Actuation time and volumes are figured out.
 - More CAD for next time
 - Prototype with some 3D prints - take it from there
 - We can try to manufacture a CO2 cartridge (hard), but the problem with the ones we buy is that we have to put them through multiple adapters. We would need one adapter with a pin in it, and another one from that to NPT fitting. Our most restrictive point would probably be where the cartridge is pierced (can be determined through testing). Some prices for the piercing adapter are around \$15. We should get some for potential testing - how quickly they empty and to see the orifice size. Kushal will send the possible purchases to Patrick.