

Meeting Time: 3:30 10/10/19
Meeting Place: Senior Design Suit
Attendance: all but selso

Old Business:

-Scope dynamics model (Jacob)
Thinking that the program is complete for simple prototype
Might run into issues collecting data of strain gauge

Other idea- tap laser and scale on the gun and mass video it with high speed camera

-Clamping model (Travis)
Variables done, working to finish computation

-Shop Training : Pushed to next meeting

-Start ballparking metrics (all)
Setting the standard for what we want to see

-Simple prototype (Travis)
Will be cutting out bar Friday Oct 11

-Research into materials (James)
PPSU- good chem resistance, machinable,
AZ61A- looking into it more
Al-7068- a lot stronger but a little more dense
Bring up with Pi
Polymers- think about finish and long term performance. UV, Ozone, ductile-brittle temps,

-Product requirement document (All)
Finished – need to run past pi
Need idea values and marginal values.

New Business:

-First snapshot presentation preparation (Dr. Man)
Printout information that we want to display, then pin on the poster. Try to make it so that its like explaining to high school class. Get the idea across simply.

-Current

-make better

-how?

-METRICS

-analysis- simple models

-materials

-reengineer

For poster Done by monday night

James

Standard al, other metals, polymers, composites

Weber

Pic of simulation, pic of mount

Trav

Big three, light strong, cost effective

Make sure we aint missing anything

Hector

Main engineering overview