

Bi-Weekly Staff Meeting

Date: 10/2/2014

Attendees:

Dr. Gupta and Dr. Helzer

Senior Design Team:

Russell Hamerski, Tim Romano, Thomas Razabdouski, Andre Steimer, Andrew Panek

Meeting: Discussion of advanced designs and selection, issues of alignment and motor discussion

Structure of Meeting:

Issues to be brought up:

- Live demonstration of smaller back EMF test fixture
- Tolerance of center
- How much of an effect does alignment have on magnetic force (in both directions)?
- Will live center be able to sustain the force of the weight of the rotor?
- Motor connection: nylon vs. rubber
- Motor Control: Ramp up speed or no ramp (need controller or voltage regulator?)
- How is it determined if a rotor passes the test, what does the operator see?

Initial Gantt Chart Presentation

Design Presentation

- Methods of Insertion
 - Power screw
 - Worm gear
- Methods of reducing vibration
 - Rubber around the motor mount
 - Nylon

Design Feedback