

Positioning device for ophthalmic scanning laser systems

Team: “Ocular Imaging” Team

Client: Carol Rasmussen

Advisor: Professor Tom Yen

Team Members: Daniel Frost (Team Leader, BWIG)

William Stanford (Communicator, BSAC)

February 13 to February 19

Last Week’s Goals

- Get information on and order motor.
- Order joystick.
- Finalize plan for rotating mechanism and order parts.

Summary of Accomplishments

- Found some possible motors for XY plane and rotation.
- Found a joystick that will work for all three DOFs.

This Week’s Goals

- Order motors and joystick.
- Start planning experiment.
- Contact client with updates.

Project Difficulties

- None

Activities

- 2/13 – Advisor meeting and motor research. ~1.5 hr. each
- 2/17 & 2/18 – Individual research on motors and joystick. ~1.5 hr. each

Project Schedule

Preliminary Project Schedule	
Dates	Activities
Jan. 23-30	Form team roles and contact client. Individual research on mechanizing design.
Jan. 31 – Feb. 5	Client meeting. Contacted McMaster-Carr about motor/joystick and planned experiment.
Feb. 6 – Feb. 12	Got information on joystick and came up with initial plan for rotating mechanism.
Feb. 13-Feb. 19	Found more suitable motors and joystick.

Expenses

- None