Assistive Robotic Arm

Alon Dagan
Michael Khalil
Mechanical Progress

- Arm joints and brackets fully built
- Extremely sturdy with appropriate dimensions
Mechanical Progress

- Wrist mechanism allows easy reach to table top
Mechanical Progress

- Excellent arm rigidity
Difficulties

- In the design of a bracket to replace the hose clamps the linear actuator was damaged.
- A limit switch was destroyed, the company has been contacted and we hope to replace the switch.
Future Work

- Machine base clamp system and control box
- Complete X Y microprocessor design
- Implement mode switching
- Repair Linear actuator
Alon Dagan
- 15 hours

Michael Khalil
- 18 hours