Project Identification

Project Title: Human Integrated Gripping Device
Week 8: March 21, 2006
Emily Pribanic

Work Completed

Since the last report, much work has been done on actually assembling the ratchet parts. This took up the majority of the time spent working this week. Below are pictures showing the ratchet at various stages within the production process. As can be seen, the parts have been both nickel plated and gold plated for superior corrosion resistance. The parts seen below are for the pinky side of the left hand. The index finger side is being produced this week. This is due to the fact that the first ratchet on the left (seen in Figure 2) must have an elongated arm to better suit the length of this finger. These changes have already been made and this side of the finger will be complete by Wednesday.

Figure 1. Layout of Parts Before Assembly
Figure 2. Inside Workings of Ratchet System Before Covers are Placed

Figure 3. Completed Ratchet System

Figure 4. Completed Ratchet System: Pinky Side of Hand
Project Review

So far we are still on schedule barring no huge malfunctions. All the parts will be together by Friday and on Friday we will be able to assemble the prototype.

Future Work

This week a lot of production work will be completed. The index finger portion of the ratchet system will be completed by Wednesday. Once this is complete all parts for a full prototype will be in place and by Friday will be attached to the glove.

Hours Worked:
Emily- 11 hours