Work Completed
The Paint Cap Remover
Work Completed
The Paint Cap Remover

- Drilled a hole $\frac{1}{2}''$ deep in the aluminum paint tube encasement

- Motor was inserted into the hole and fits perfectly in the center of the bottom of the encasement
Work Completed
The Paint Cap Remover

- Next we drilled a small hole for the Set Screw

- The Set Screw would be inserted to lock the motor shaft into place and make the encasement spin with the motor
Work Completed
The Paint Cap Remover

Set Screw
Work Completed
The Paint Cap Remover

The threads for the set screw were drilled by hand.
Work Completed
The Paint Cap Remover

The motor shaft and the paint tube encasement are now fastened and can successfully unscrew the Paint Cap when it is secured with the clamp.
Work Completed
The Paint Cap Remover

- We also drew up the exact dimensions of the frame pieces that will fit our motor and clamp.
- The frame uses 1/2” thick aluminum and we can construct it in the upcoming week.
Work Completed
The Monitor Lift

- Mounted the linear actuator to a HDPE Plastic base
- The base is very strong but light, and thick enough to insert the mounting bar
- The base will be screwed into a large metal support platform
Work Completed
The Monitor Lift

- Linear Actuator is bolted into the HDPE base
- Bolt is very secure and allows the linear actuator to stand up firmly and vertically
Work Completed
The Monitor Lift

- We will be attaching the plastic base to a large metal platform
- We will use 4 screws in the corners of the base to mount it on the platform
Future Work

- We will make the frame for the paint cap remover according to the design dimensions we have drawn in Visio.
- We will attach the motor to the frame.
- We will attach the clamp to the frame.
- For the Monitor Lift we will attach the plastic base to the metal support platform.
Project Review

- We’ve made good headway on both projects and we’ve set up the work we need to do in the next week, including measuring exact dimensions we will be building the Paint Cap Remover frame out of and drawing it up in Visio.

- All team members are doing a good job of working individually as well as being a dynamic contributor to the group.
<table>
<thead>
<tr>
<th>Name</th>
<th>Hours Worked</th>
</tr>
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<tbody>
<tr>
<td>Patrick</td>
<td>13 hrs</td>
</tr>
<tr>
<td>Thuy</td>
<td>12 hrs</td>
</tr>
<tr>
<td>Dan</td>
<td>14 hrs</td>
</tr>
<tr>
<td>Katie</td>
<td>13 hrs</td>
</tr>
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