Overview
The goal of this project is to create a software system to help TMP track and record the problems that occur in processing. With an inflow of new employees, retiring of veteran employees and out of date training techniques, TMP has come to notice a recent increase in problems during production. These problems occur on a small and manageable spectrum for the time being, although that can change.

Objectives
The tracking software should be user friendly and encourage shop floor workers to report defects when they happen in order to catch the problem sooner and eliminate the need for excessive rework. The software that will be created will be based off of the current paper “Red Card” that is used throughout the company now. Our plan is to redesign the Red Cards so that information can be pulled from them in a standard fashion and give the analyst more useful information. Not only do we want to pull information from the Red Cards but, we also want to create an optimal system that keeps track of the Red Cards as well as who is filling them out.

Approach

<table>
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<tr>
<th>Site Visit to Analyze Product Flow</th>
<th>Identify Value Added Machines and Red Tags</th>
<th>Design Access Database for Red Tags, Machines and Defects</th>
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<tbody>
<tr>
<td>Implement Access Database</td>
<td>Design and Implement Queries for Analysis</td>
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Outcomes
- optimizing the current paper system
- standardization of defects
- locate the source of the major and most frequent problems during the manufacturing process
- Accurate, cumulative data regarding defect frequency and defect source
- Increased usability for TMP workers