Inspectinator

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Overview

- What is Mechatronics?
- Problem
- Solution
- New Rail Design
- IR Sensors
- Acknowledgments
What is Mechatronics?

- Mechatronics consists of the following:
  - Mechanical Control
  - Electrical Applications
  - Architectural Design
  - Drawing Schematics
  - Computer Science
  - Teamwork Skills
Problem

- No current mechanical application can ride tracks and scan for loosened nuts and bolts
- Workers must visually check each joint plate, which costs a lot of money, as compared to the new robot which will be inexpensive
Solution

- A robot will be planned, designed, and built to traverse tracks and scan for loosened bolts
- Safety wire will be added to each bolt on the joint plate
New Rail Design

IR Sensors

IR Receiver

IR Transistor


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