AUTOMATION OF MAGNETIC SENSOR CALIBRATION TEST FACILITY

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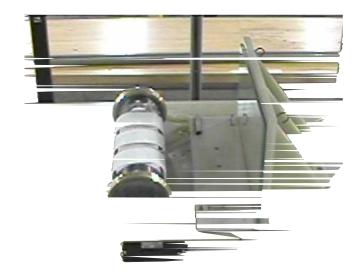
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Project Summary

The objective of this project is to automate the calibration test facility for a solidstate heading sensor. The sensor is placed in a test fixture as shown below, and undergoes a series of specific successive rolls.



Currently the rolls are a manual operation by an operator. We would like to automate this process as follows:

- Use a Stepper Motor to perform the required motion
- Integrate with current software

The work will involve using off the shelf stepper motor driver, Stellaris TI evaluation board Visual Basic.

It requires two students, one hardware and one software.