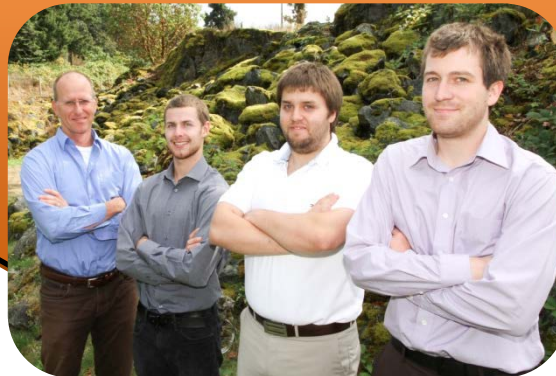


We would like to thank the following for their contributions to the success of our:

- Firgelli Technologies for the donation of a linear actuator
- General Metals and Plastics for discounts and donations
- Jeff Stephen for sponsoring the project
- Saanichton Farm
- Slegg Lumber for discount on plywood
- VICAMP for the use of their water jet cutter
- McKillican Canadian Inc for a donation of laminate



Contributions



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The Team

Semi-Automated Grain Dispenser



BETE
Automated systems

The hopper can hold over 75 kgs of lentils. Once the system is turned on, the lentils will flow onto the shaker tray which distributes the lentils into the weigh bucket. Once the bucket reaches the correct weight, the shaker motor turns off and the user is prompted to place a bag under the chute for filling. The user activates a switch located on the chute to open the weigh bucket. Once the bag is full, the cycle repeats.



A render of the Semi-Automated Grain Dispenser

Team BETE designed and constructed an Automated Lentil Bagging System for Saanichton Farm. The farm currently packages the lentils in 2.5 lbs bags by hand and harvested over 18,000 pounds of lentils in 2013.

Our system consists of five major parts:

- A Hopper
- A Shaker Tray
- A Weigh bucket
- A Chute
- A Control System



Product Description

Product Display

About the Project