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| **Project Title:** | Regrind Reduction |
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| **Area:** | Mechanical Engineering |
| **Sponsor:** | Sabert Corporation |

Sabert Corporation, located in Fort Wayne, Indiana, manufactures disposable food containers. The manufacturing includes thermoforming, separating, and stacking these containers. This process is largely automated and requires little human intervention. After thermoforming, these containers are still attached to one another on a large plastic sheet. This sheet enters a machine that cuts out the individual containers and stacks them. The plastic between the containers is considered scrap and is dropped down a chute to be ground up and recycled. However, the grinder will sometimes shoot scrap back up the chute where it will become lodged in the stack of finished parts. Because these parts are not unstacked for inspection, these stacks with scrap in them will make their way to the customer.

Sabert is requesting assistance with the design of a device to keep the scrap from travelling back up the grinder chute. The device may not interfere with current production capacity or change existing hardware. The budget for this project is $5000.