Introduction

- South Olive Christian School produces pigs in a blanket for a year-round fundraiser
- Current demand is higher than their production capacity
- A process is needed to streamline production allowing product demand to be met

Objectives

- Increase production capacity of pigs in a blanket
- Intake raw dough and ground sausage inputs
- Output uncooked pigs in a blanket to be collected, packaged, and frozen
- Make machine operation simple and safe
- Design machine for simple cleaning
- Meet all OSHA standards and FDA Food Code standards

Results

- Machine integration successful
- Control box connects all subsystems
- Sausage tubing outputs four continuous sausage streams
- Dough flippers wrap sausage
- Vertical chopper cuts pigs in a blanket
- Increased pig production by approximately 10x

Conclusions

- Automated system outputs 100 dozen per hour
- Safety and ease of operation criteria meet customer expectations

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