**Problem Statement**

Our goal is to automate the stacking of the Heritage siding panels produced by PacTool.

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**PacTool Automated Stacker**

By

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**Key Needs**

- Must load at 2 seconds per panel
- Quality Control Station
- Accepts both straight and staggered-edge panels
- Stacks panels with the flat side facing out.
- Uniform Stacks

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**Metrics**

- Feed rate (panels/sec)
- Weight of Pallet (lb)
- Time for Quality Control (s)
- Uniform Stacks
- Size of footprint (ft^2)

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**Design Concepts**

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**Final Design**

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