

# Applied Automation

## Methodology

Group leader: responsible for maintaining the group work on schedule, delegates responsibilities to maximize efficiency of design work

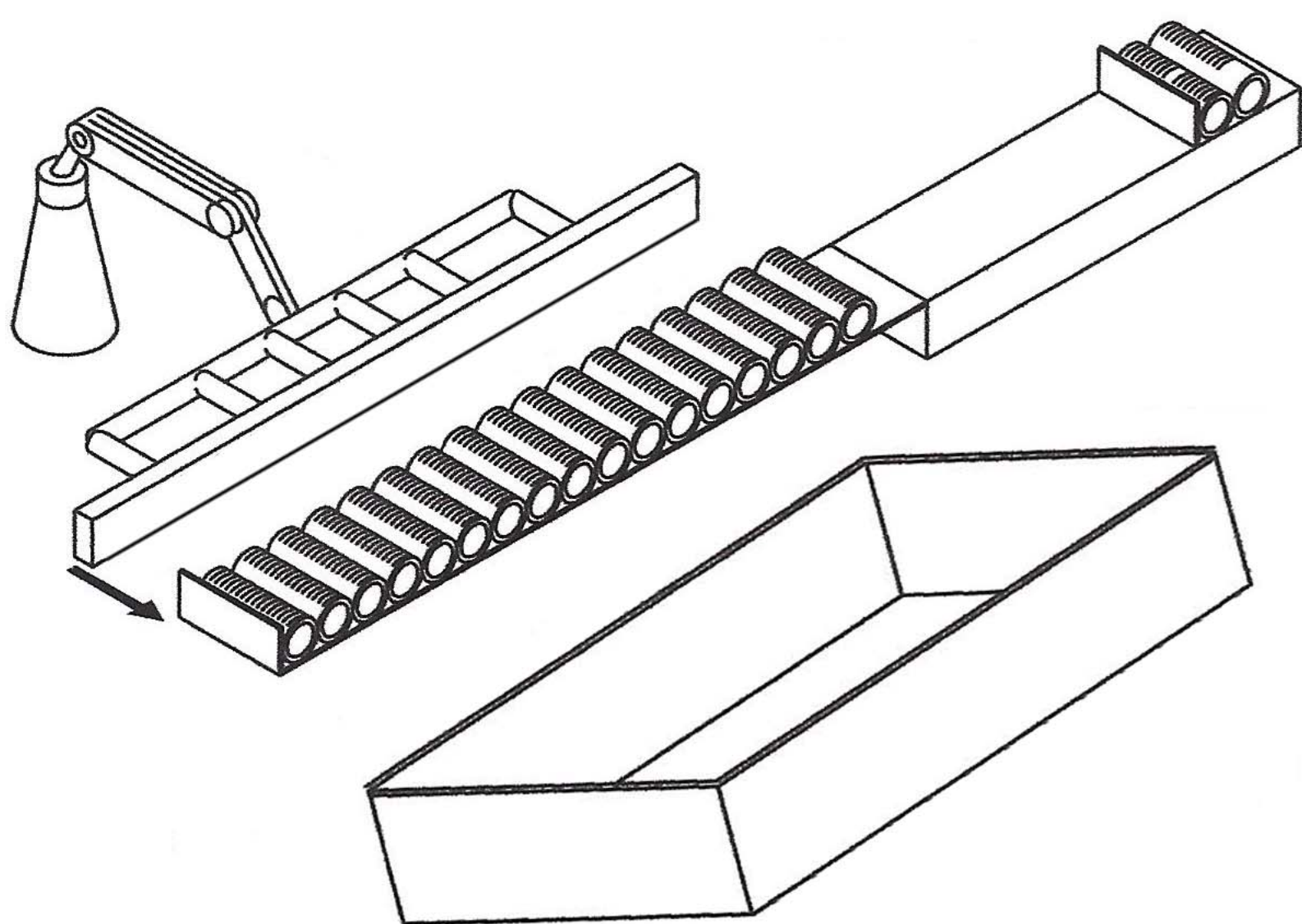
Testing team: determine forces needed to damage pins

Passive Design team: explore passive mechanisms to load pins into containers for movement to next operation

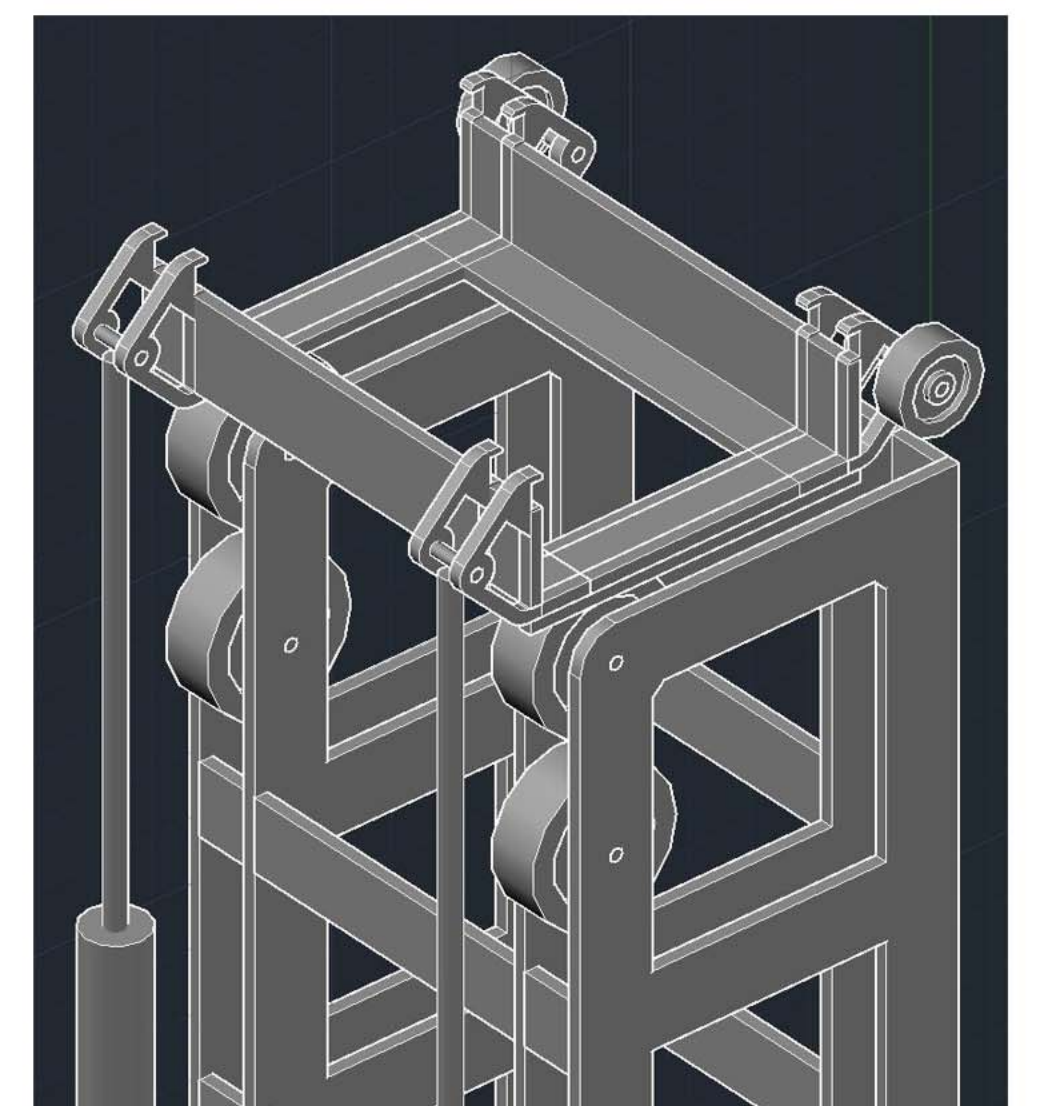
Active Design team: explore active mechanisms for pin loading: robotic and sensor control systems.



## Conclusion / Proposed Final Solution



Pins are automatically loaded into standard bins, one full row at a time.



Metal bins are fed to loader by conveyor. Bin is fixed into a grip, lowered and tilted to allow for quick filling using a shelf with pins that are pushed into the bin by a hydraulic press.

