



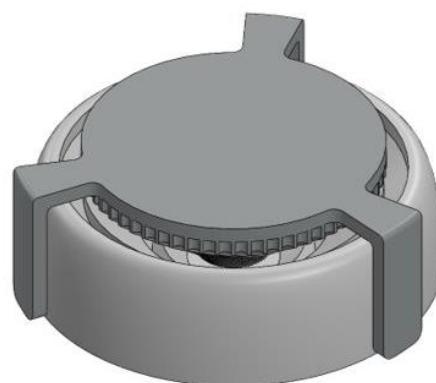
## Jar Opener

Designed and validated a high-friction silicone jar opener to increase grip and torque while reducing required hand force.



### Outcomes & Contributions:

Collaborated on a 13-week team design project to model, prototype, and test a jar opener. Contributed to SolidWorks modeling, material selection, and torque and friction testing, confirming reliable jar break-loose performance without slip.



### Technical Details & Skills:

- Parametric CAD modeling and assembly in SolidWorks
- Collaborated with multiple engineers to produce a quality product
- Friction-based torque transmission analysis
- Physical prototype testing and performance validation