



Jar Lid Opener

DESIGN RATIONALE

Introduction

This device makes it easier to open canned jars by breaking the seal.

Research

Commercial			
Name	Image	Price	Link
Jar Opener for Weak Hands		\$17.95	Link
Jar Opener 5 in 1		\$19.99	Link
DIY			
Name	Image	Price	Link
Jar Opener V2		N/A	Link

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Jar Opener		<\$1 filament	Link
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Requirements

Goals

G01	Allow the lid of a jar to be easily removed
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Functional Requirements

F01	Be usable by people with limited hand function
F02	Require minimal amount of force to use

Constraints

C01	Must be entirely 3D printed
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Jar Lid Opener Design V1.0

Testing

After the print was finished, it was used to remove several stuck jar lids, as well as a jar lid that was held in place to test the breaking point of the print.

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Opportunities for Improvement

The file could be redesigned to print flat against the printer bed with no supports.