# Introduction

The Blister Pack Opener is designed to help users with arthritis or limited hand strength open blister packs of pills.

# Research

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| --- | --- | --- | --- |
| Name | Picture | Price | Link |
| Blister Pack Opener |  | Not Available | [Link](https://at-aust.org/items/6725#:~:text=A%20small%20round%20plastic%20device,the%20pills%20from%20the%20pack.) |
| Pill Ejector |  | $7.79 | [Link](https://www.ocelco.com/store/pc/Pill-Ejectors-c1835.htm) |

# Requirements

## Goals

|  |  |
| --- | --- |
| G01 | The device must open blister packs with minimal force |

## Functional Requirements

|  |  |
| --- | --- |
| F01 | The device must be operated with one hand |
| F02 | The device should allow for opening blister packs using the whole hand |
| F03 | The device should allow for opening blister packs with minimal force |

## Non-functional Requirement

|  |  |
| --- | --- |
| NF01 | The device must be printable with no supports |

## Constraints

|  |  |
| --- | --- |
| C01 | Must be entirely 3D printed |

# Testing

The device was tested on various blister packs, it worked well on smaller pills, but was too small to accommodate Day-Quil blister packs.

# Opportunities for Improvement

The hole could be made larger to accommodate for larger pills.