V1.0 | June 2022

Printlab Beverage Can Opener
SUMMARY

Title
Beverage Can Opener.

Subtitle
A tool to open beverage cans with a simple hook and lever motion.

Device Specifications
Build Time:

- [x] < 1hr
- [ ] 1-4 hr
- [ ] 5-10hr
- [ ] >10hr

Cost:

- [x] $0 - $10
- [ ] $11 - $25
- [ ] $26 - $50
- [ ] $51 - $100
- [ ] $101 - $250
- [ ] $250+

Stage: Recently Added

Skills: 3D Printing

Need: Agility / Dexterity

Disability: Mobility/Physical

Difficulty: Beginner

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Usages: Aids for Daily Living (ADL), Mobility

Designer: Jason Yeung

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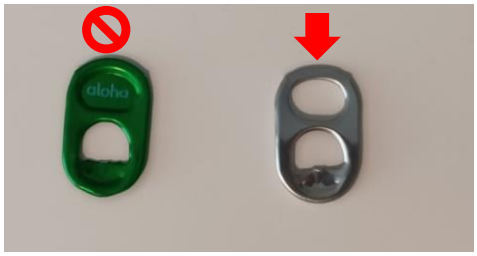
Makers Making Change
A Neil Squire Program

Device Details

Overview
The Beverage Can Opener provides a way for those with arthritis, low finger dexterity, low vision, or other related disabilities to open beverage cans with a pull-tab with little strength or accuracy required.

This design is featured in the Assistive Device Academy from Printlab.

Compatibility
This device is compatible with aluminum beverage cans with pull-tabs.



Some aluminum cans contain a pull-tab with some graphic or logo in the top hole of the tab, as seen in the left of the photo above. Only cans with a tab like the one shown on the right, with a hole in the top of the tab, can be used with this device.

Similar Devices

- Another device for opening beverage cans, compatible with pull-tabs without a hole in the top (left in photo), is available at https://makersmakingchange.com/project/beverage-can-opener/.
- A device intended for tin food cans with pull-tabs, such as pet food, canned tuna or canned beans, is available at https://makersmakingchange.com/project/pull-tab-tin-can-opener/.

Cost
Less than $1 CAD.

Build Instructions
This device consists of a single 3D Printed Part. More comprehensive instructions on 3D Printing this device can be found in the Beverage Can Opener 3D Printing Guide.

Design
Full instructions for designing this device using CAD, along with other similar assistive devices, can be found in the Assistive Device Academy from Printlab.

Skills Required
3D Printing.

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Time Required

3D printing time: 38 minutes.

Tools

3D Printer

Attribution

Original design by Jason Yeung.

Minor modifications to design and documentation by Neil Squire / Makers Making Change.

More information about PrintLab can be found on their website: https://weareprintlab.com/

Commented [SM1]: Should specify what type of open-source license each is released under (i.e. designed by Jason from Printlab under XX license and documentation by NSS/MMC under a CC BY SA 4.0 License)