# Overview

This document contains the necessary information to build the device.

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# Maker Checklist

This list provides an overview of the steps required to build and deliver the device.

## Maker To Do List

* Read through the Assembly Guide to become familiar with required components, tools, supplies, and safety gear and overall assembly steps.
* Talk to User about customization options (e.g., color, any special requests, etc.)
* Order hardware components
* Gather tools, supplies, and safety equipment.
* Assemble the device
* Test device
* Print “User Guide”

## Items to Give to User

* Assembled, tested device
* “User Guide”

# Tool List

# Customization Guide

The device can be printed in the user’s desired colour.

# 3D Printing Guide

## 3D Printing Summary

|  |  |
| --- | --- |
| **Metrics** | **Single Unit** |
| Total Print Time (min) | 1h10m |
| Total Number of Components | 1 |
| Typical Total Mass (g) | 13 |
| Typical Number of Print Setups | 1 |

## 3D Printing Settings

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Print File Name** | **Qty** | **Total Print Time (hr:min)** | **Mass (g)** | **Infill (%)** | **Support(Y/N)** | **Layer Height/ Nozzle Diameter(mm)** | **Notes** |
| Tetra-Pack-Opener.stl | 1 | 1:10 | 13 | 15 | N | 0.2/0.4 |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |

## Post-Processing

* Add any processes that must be done after print such as removing supports

## Examples of Quality Prints

**Photo of Device**

# Assembly Guide

## Required Components

|  |  |
| --- | --- |
| *<Insert a photo with all components of the device laid out and labelled with number that correspond to the numbers in the cell to the right. Add appropriate Alt text>* | **BOM** |

## Required Tools

## Required Personal Protective Equipment (PPE)

### Step 1: Gather materials and tools

<Description>

|  |
| --- |
| <Insert photo here. Make sure to add appropriate alt text> |

### Step 2: <Step Summary>

<Description>

|  |
| --- |
| <Insert photo here. Make sure to add appropriate alt text > |

### Step 3: <Step Summary>

<Description>

|  |
| --- |
| <Insert photo here. Make sure to add appropriate alt text > |

<Add additional steps as necessary>

# Testing