

AUTOCOOKIE USER MANUAL

AutoCookie allows you to turn a clip art image into a cookie cutter

PREPARE YOUR IMAGE

- ☐ Find a clipart image with a white background that you want to become your cookie cutter.
- ☐ Download and name this file “candidate.jpg” and put it onto the AutoCookieSoftware folder that is given to you on the flash drive.
- ☐ Run the AutoCookie application in the folder.
- ☐ Once the file is generated (~100s) it will be saved as “finished_prod.jpg.”

FILE CONVERSION

- ☐ Go to <https://convertio.co/jpg-svg/> and convert finished_prod.jpg to an svg file. Download your converted file.
- ☐ Go to <http://svg2stl.com/> and select your new svg file.
- ☐ Click upload. Extrude 35 mm. Finish conversion and download your stl file.

PRINT YOUR CUTTER

- ☐ Download Ultimaker Cura (newest version).
- ☐ Upon first launch you'll want to add a new printer:
 - Navigate to Settings > Printers > Manage Printers
 - Click add, then add non-networked printer
 - Click custom printer
 - Click on custom FFF printer #1 then machine settings
 - Under Printer Settings: Change X (Width), Y (Depth) and Z (Height) to 180 mm, Heated Bed should be checked.
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 - Under Printhead Settings: X min = -20mm, Y min = -20mm, X max = 20mm, Y max = 20mm, Gantry Height = 180 mm.
 - Go to the extruder 1 tab and change compatible material diameter to 1.75 mm and Cooling Fan Number to 1.
 - Click next and you're done!
- ☐ To the right of your printer you should see the material selection. Select Generic PLA.
- ☐ To the right of the material is print settings. For your first print you'll want to change some settings:
 - Under Profile, select Draft-2.0mm
 - Under Material, Printing Temp = 200C and Build Plate Temperature = 70C
 - Under Speed, set Print Speed to 50mm/s.
 - Under Cooling, make sure Enable Print Cooling is checked, Fan Speed 100%.
 - Under Build Plate Adhesion Type, select Brim.
- ☐ You'll likely want to rescale to the size you want. The second option on the left toolbox is the rescaling tool. Rescale to a percentage of your original size; cura gives you the XYZ dimensions to help.
- ☐ Click Slice and upload to a microSD card
- ☐ Put the microSD into the Kingroon Printer, find the file and begin printing!

