AUTOCOOKIE user manual

Icon

Description automatically generatedAutoCookie allows you to turn a clip art image into a cookie cutter

Homework Tips Checklist for Parents

# 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.”

# A picture containing shape Description automatically generatedFile 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 Utimaker 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.
* 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.
* Graphical user interface

  Description automatically generatedUnder 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!