



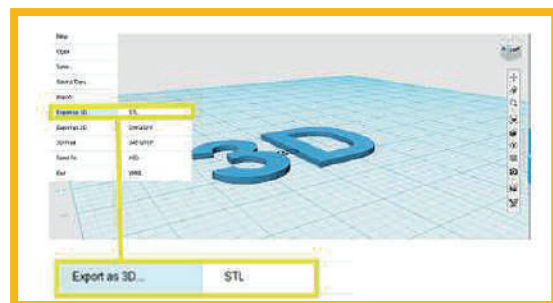
## PREPARING 3D DATA FOR 3D PRINTER ULTIMAKER S5



### Data making with 3D Software

1

**Prepare and create** a 3D model using AutoCad, SketchUp, Autodesk 123D, etc. and export it as an .stl (Standard Triangle Language) file.



2

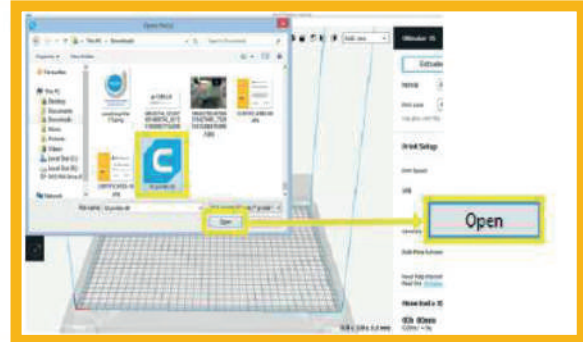
**Download / launch** the latest version of cura and install the software from the ultimaker website.



## Data making with 3D Software

3

**Open or drag .stl file onto your desktop and open it in the Cura software.**



4

**NOTE:**

Cura has two (2) Extruder. Extruder 1 produce objects with supports included, while Extruder 2 only produce supports.

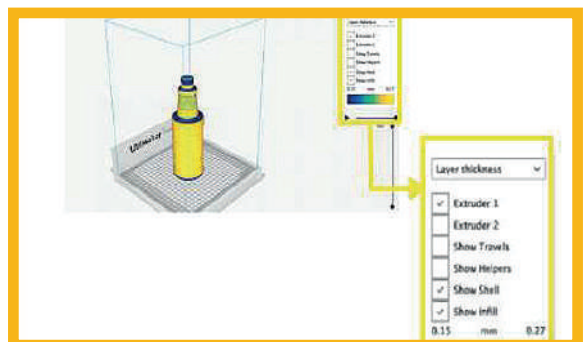
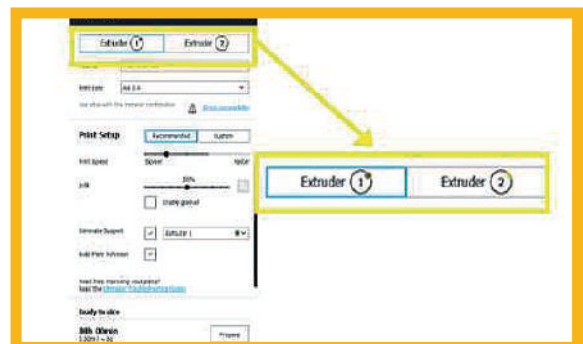
**Choose Extruder 1.**

**NOTE:**

You may adjust the layer height and infill on both extruders.

1. Layer height - constant spacing between each layer (thinner layer - hhigh quality print).

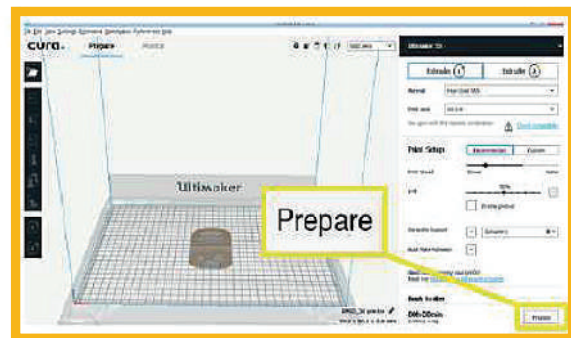
2. Infill - internal structure pof a 3D print. (3D infills = strong in all directions; 3D concentric infills = flexible materials.)



## Data making with 3D Software

5

**Press** prepare to convert stl into (\*.ufp) format after making any necessary changes to the settings.



6

**Save** the file to your flashdrive.

**NOTE:**

File should be in .ufp (Ultimaker Format Package) format.

