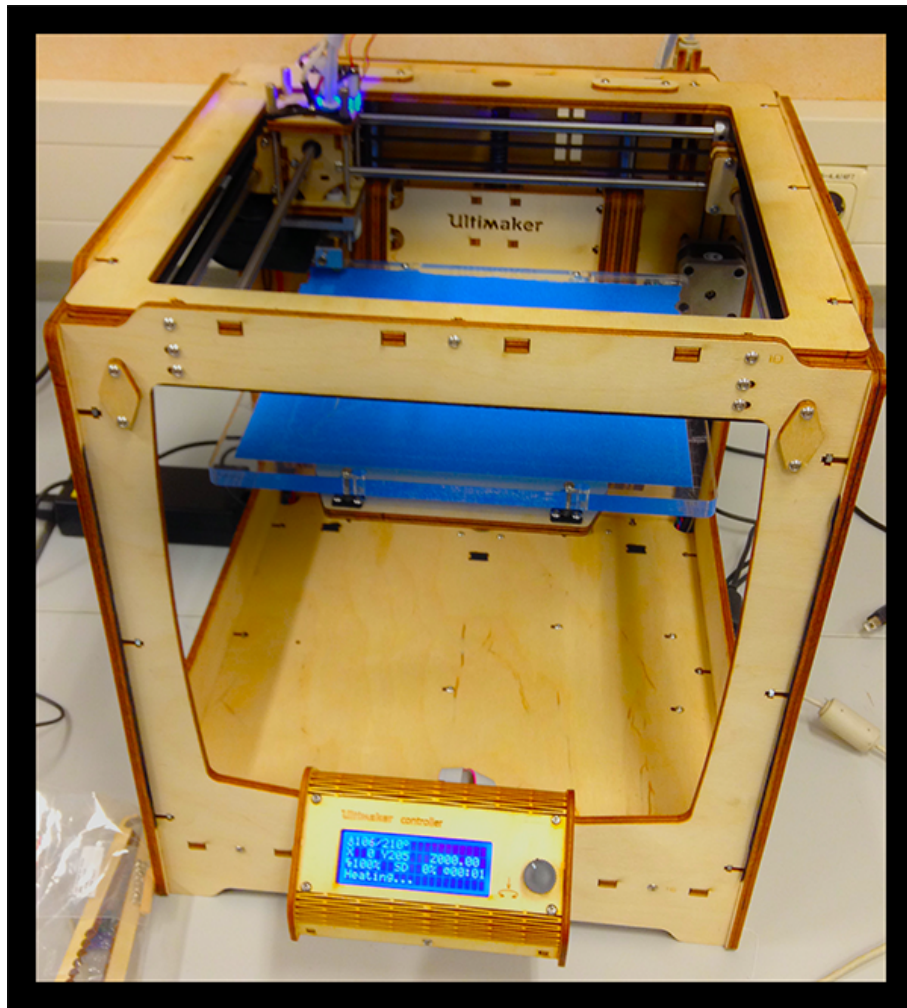


Manual 3D Printer Ultimaker



August 29, 2013

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1 Introduction

This manual gives you an overview and short introduction.

Please read these instructions carefully and follow them as explained. This will guarantee that your products look and feel great and also prevent the machines from damage.

If you encounter a problem with the machines, do not try to fix it yourself, please get in contact with one of the fablab managers.

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2 Rules

- **Extruder** is very hot! Do **not touch**!
- Do **not change pre-setting profiles on the PC**!
- Turn off the printer: using the switch on the right side **AND** pull out the USB cable!

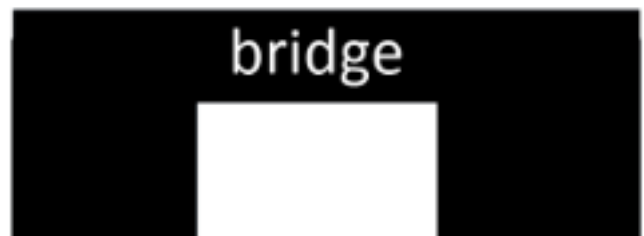
3 File Format

- STL file, unit: millimeters
 - create a 3D object and export your file as STL file (3D programs: Blender, Sketchup, 3DS Max, OpenSCAD, etc.)
- Rules for your 3D objects:
 - Object must be completely closed
 - Not hollow inside

- Overhangs should not be too large ($<45^\circ$)



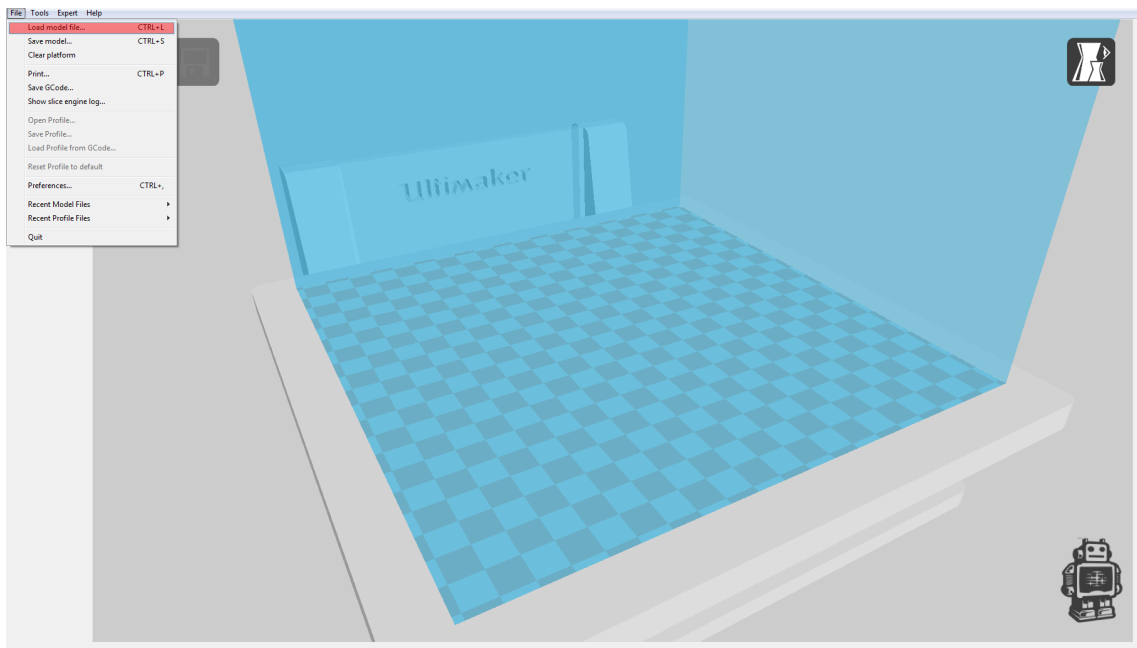
- Bridges should not be too far ($<5\text{mm}$)



- Maximum dimensions 210 x 210 x 220 mm

4 Printing

- open "Cura"
- File -> Load model file...



4 Printing

- choose type of quality
- do not change material AND diameter
- printing time and filament consumption
- click "print"

