3D PRINTER

RECOMMENDED SOFTWARE

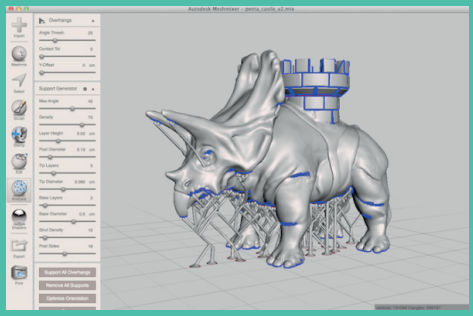
•Rhino

•Windows 3D Builder and Blender

Software available in VRC; room 301, iMacs 16-25; 401 and 402. We recommend these 4 programs. There are many 3D software programs to use, just make sure your design will export as an .Obj or .STL file.

MESHMIXER

Meshmixer is a free autodesk program used to verify your model as a solid and allow you to edit your file. The makerbot creates supports automatically. Meshmixer lets you create supports that use less plastic so removing structure and cleaning is easier.



PLAN AHEAD

In the computer your model exists in a world without gravity or physics. To successfully print your object you'll need to keep the material's characteristics in mind.

1. Object is Water-Tight

• No gaps or holes & parts are flush

2. Object can exist in 3 Dimensions

• Forms extending into space wont fall off

• Weight distributed to prevent collapse or toppling

• Pieces wont break off

3. Export your model as an .Obj (object) or an .STL file (stereo-lithography) from modeling program

FILE REQUIREMENTS:

• Name file: Lastname_Filename

• Export your model as an .Obj (object) or an .STL file (stereo-lithography) from modeling program

• Bring original file AND .Obj or .STL file

• Have your file ready before the scheduled print session

APPOINTMENTS

Two Appointments are required:

1. Consultation

• 15 mins before you can schedule a print appointment to determine correct specification, price & print time

2. 3D Printer

• Appointments must be made at least 24hrs in advance

• Each appointment slot is 30 minutes