

3D Printing Checklist

Model:

- Make sure your model is 1 closed solid polysurface.
- Change your file units to millimeters.
- Keep your model as close to the 0,0,0 origin point as you can.
- Scale or cut down your model to fit within an 8"x8"x8" cube. (203.2 x 203.2 x 203.2 mm)

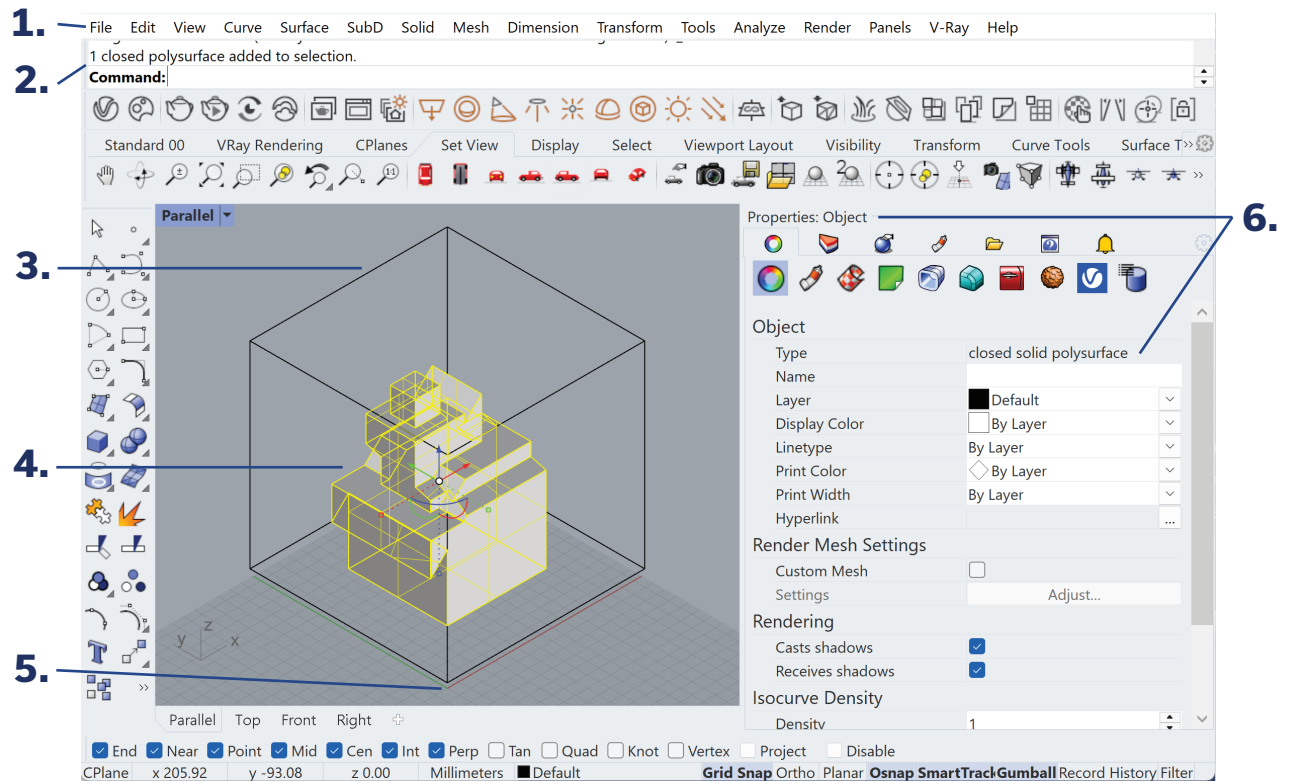
Exporting:

- Select your model in Rhino and click **File -> Export Selected -> STL**
- Keep your file in an accessible folder.
- Name your file simply.
 - Ex: Name_Studio_Object 1
- If you would like to submit multiple models. Please export each model individually.
 - Small independent objects that are each one piece can be exported together.

Submitting a Ticket:

- In PaperCut select **3D Print -> Start Order**
- Add all your files to one ticket.
- Title the ticket and select your filament.
- Add any additional instructions in the provided area.

Helpful Points



1: File

- Use the File button to save your work, export objects, and perform other basic tasks.

2: Command Bar

- The command bar will show you details about your model as well as let you perform actions on that object.

3: Reference Cube

- Having a reference for a common size such as an 8"x8"x8" cube will ensure your model is not too large to print and be a tool to rescale your model if needed.

4: Object Selection

- When selected your object will show up yellow.

5: Origin Point - 0,0,0

- Keeping your model close to the origin point will preserve the model quality when exporting.

6: Properties Panel

- When your object is selected the properties panel will show object information.

Units

A unit is a standard measurement used to express a physical quantity, or a single part/individual within a larger whole.

For example: 1 inch is 1 unit and 1 millimeter is 1 unit.

1 inch $\neq$ 1 millimeter

1 inch = 25.4 millimeters

For best 3D printing results, **always export your 3D model in millimeters.**

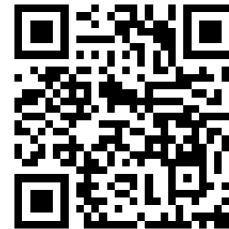
Check your model units in Rhino with the **"Units"** command. Then use the **"Distance"** or **"Scale"** commands to check the size of your model.

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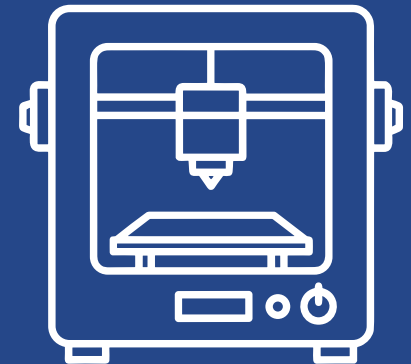
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College of Design 3D Printing Guide



*Rhino is the
recommended software
for 3D printing prep.*



*Please submit all 3D
printing requests
through PaperCut*