

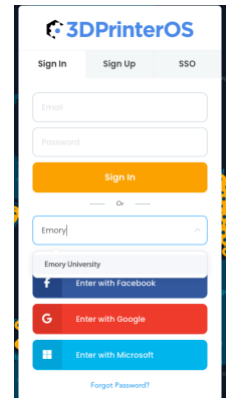


“Do-It-Yourself” 3D Printing

with cloud.3dprinter.com

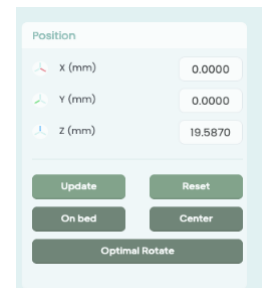
TO START: Upload a model to 3DPrinterOS

1. Go to <https://cloud.3dprinter.com/#/>, enter “Emory University” under “Select School, University, or Business,” and login with your Emory credentials. →

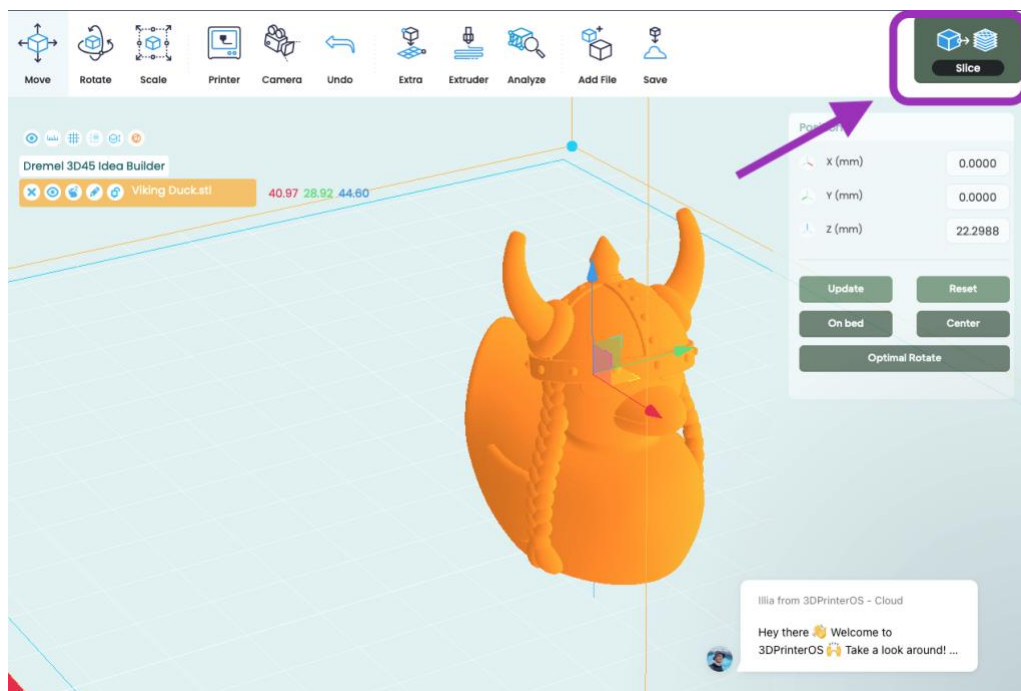


2. Under the Files tab, click the green “Add files” button and upload your file.

3. Click on your file or click the “Layout” button to adjust your file’s settings as desired. **Click both the “Center” and “On bed” buttons** to ensure your object prints correctly on the build plate. →



4. Click “Slice” in the upper right corner. This will take you to the slicing setup menu.

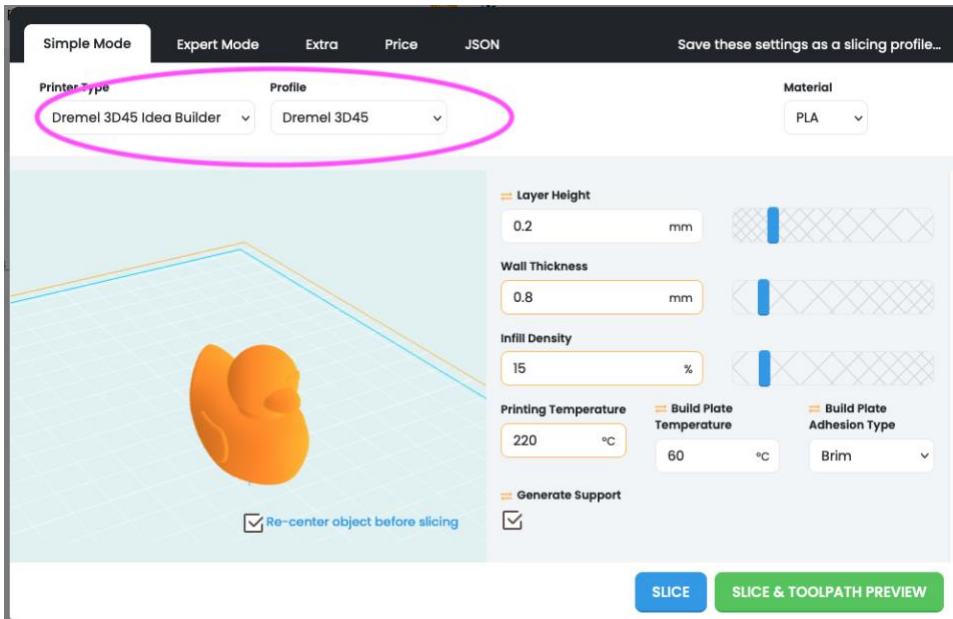




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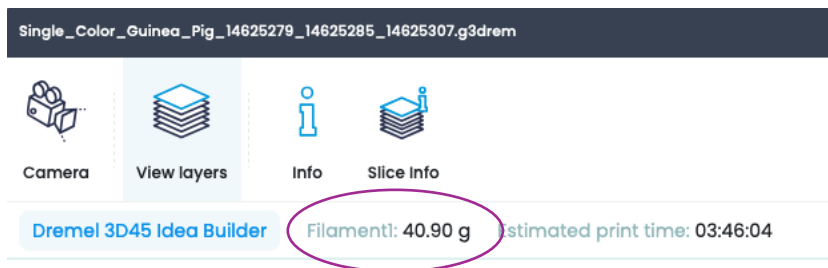
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- In the slicing setup menu set Printer Type to “Dremel 3D45 Idea Builder” And the correct profile and material for your job (if using the material we provide, select “Cox Hall DIY Sp 24” for the Profile and “PLA” for the Material). Then click “Slice” or “Slice & Toolpath Preview.” This will save your file in the printable .gcode format.



TO PRINT: Prepare a printer and release the job

- Visit either the Computing Center at Cox Hall or the Health Sciences Library and select an available printer with sufficient filament for your job (Note: you can check how much your job needs by clicking “Preview” next to your printable file in 3DPrinterOS. A full, new roll of filament = 1000g).



- If at Cox Hall:** Make sure magnetic print bed is in place and is clear. You do not need to use a glue stick on this build plate.



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If at WHSCL: Apply “Disappearing Purple” glue to the glass print bed, covering the area your print will be with a light, even coating.



8. In 3DPrinterOS, click the “Print” button next to the printable .gcode file under the Projects tab and select the correct device from the Printer Name list. Press the yellow “Print” button that activates once an available printer has been selected.

TO REMOVE PRINT: Remove print from build plate



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- 9. If at Cox Hall:** Lift metal build plate from printer. Flex the build sheet with the object pointed away from yourself or others. Push on the back of it with your thumbs using your other fingers to hold onto the handles, the object will release and can easily be pulled off by hand. For thin or small parts, flexing the build sheet may not be enough to release the object. In these cases, you may use a plastic putty knife (attached to printer) to unhinge and remove it. Replace metal build plate in printer.

