

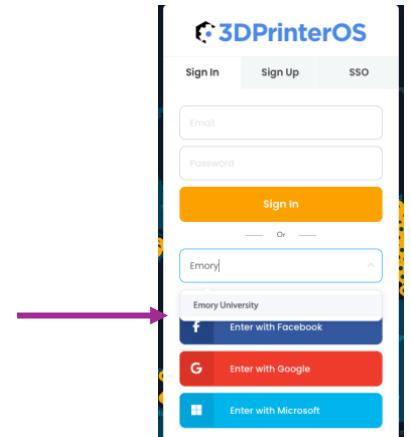


“Do-It-Yourself” 3D Printing – Dremel Printers

with cloud.3dprinteros.com

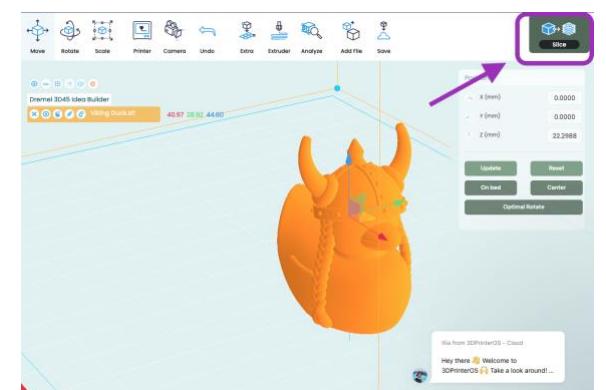
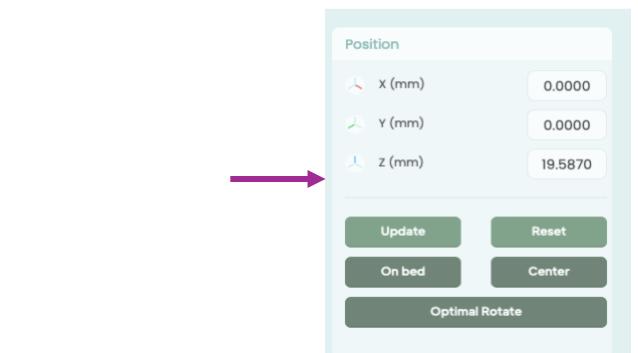
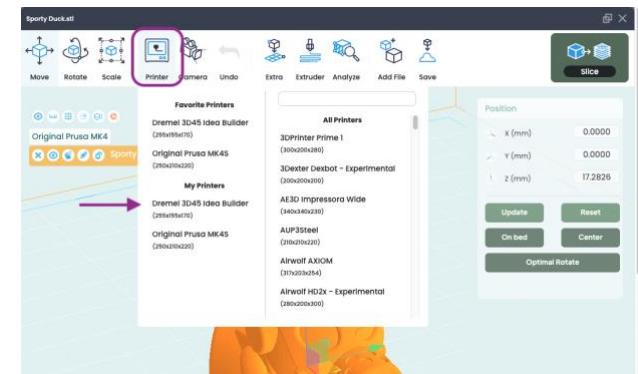
START: Login to 3DPrinterOS

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



LAYOUT & SLICE

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.
4. When the layout window opens, click on the printer icon in the top center of the window. Select “Dremel 3D45 Idea Builder” from “My Printers”.
5. **Click both the “Center” and “On bed” buttons** to ensure your object prints correctly on the build plate. If you wish to print multiple objects in one print, you can add them with the “Add File” icon.
6. Click “Slice” in the upper right corner. This will take you to the slicing setup menu.

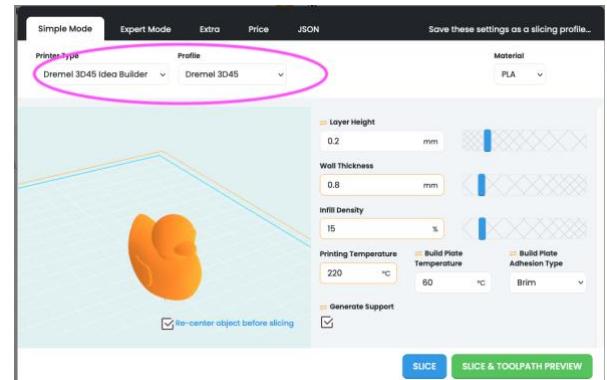




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7. In the slicing setup menu, make sure Printer Type is set to “Dremel 3D45 Idea Builder” And the correct profile and material for your job (if using the material we provide, select “Dremel 3D45” for the Profile and “PLA” for the Material).
8. Click “Slice” or “Slice & Toolpath Preview.” This will save your file in the printable .gcode format.



TO PRINT: Prepare a printer and release the job

9. 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).
10. Check that the build plate on the printer you wish to use is in place and clear. **You must be physically at the printer to start your print.**
11. Click the “Print” button next to the printable .gcode file under the Projects tab and select an available device from the Printer Name list. Selecting a device sends your print to the printer.





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TO REMOVE PRINT: Remove print from build plate

12. 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.

