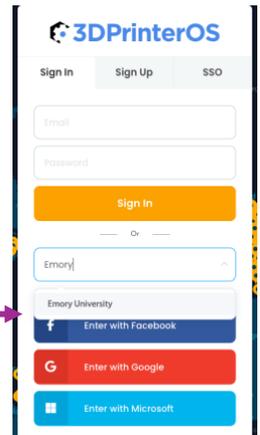# "Do-It-Yourself" 3D Printing – Prusa Printers
with cloud.3dprinteros.com
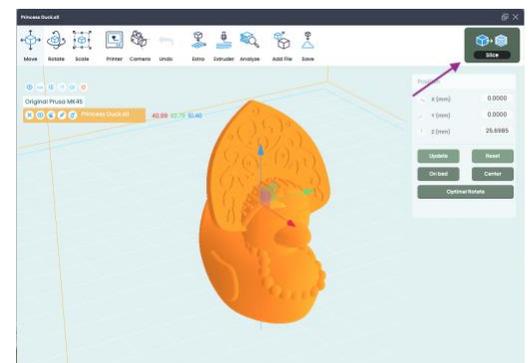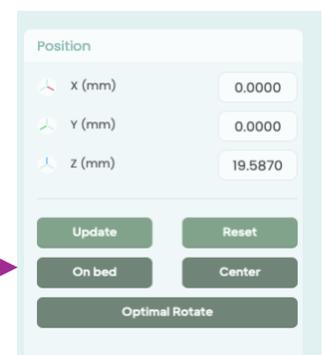
START: Login to 3DPrinterOS

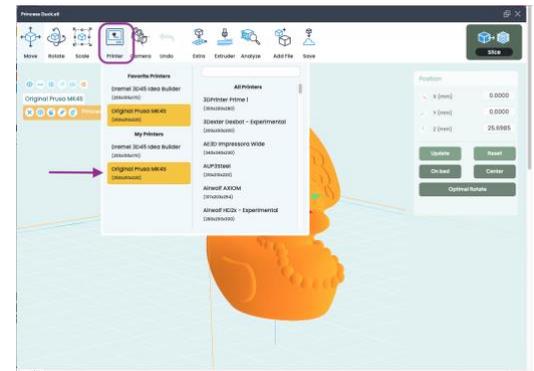1. Go to https://cloud.3dprinteros.com/#/, under "Select School, University, or Business," choose Emory University and login with your Emory credentials.

LAYOUT & SLICE

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

3. Click the "Layout" button by your file to adjust your file's settings as desired.

4. In the layout window, click on the printer icon in the top center of the window. "Original Prusa MK4S" printer should be enabled by default. Select this option from "My Printers" if it is not.

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.
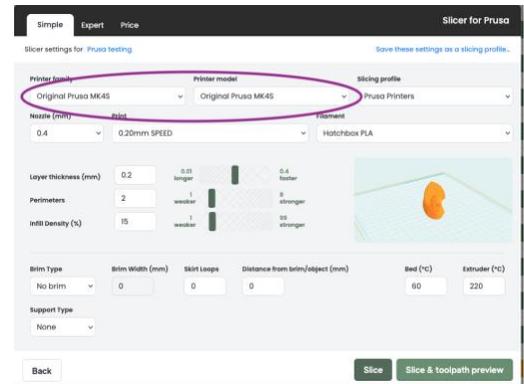
7. In the slicing setup menu, make sure Printer Type is set to "Original Prusa MK4S" and "Prusa Printers" is set as the profile for your job. The default settings have been tested to ensure a successful print. Change support, brim, and infill settings as needed.

8. Click "Slice" or "Slice & Toolpath Preview." This will save your file in the printable .gcode format.

PRINT: Prepare a printer and release the job

9. Visit either the Computing Center at Cox Hall or WHSCL 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, level and clear. If clear and ready to print, click the "bed clear" button to the left of the printer. This updates the printer software that the printer is ready to print. **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 your chosen available device from the Printer Name list. Selecting a device sends your print to the printer.
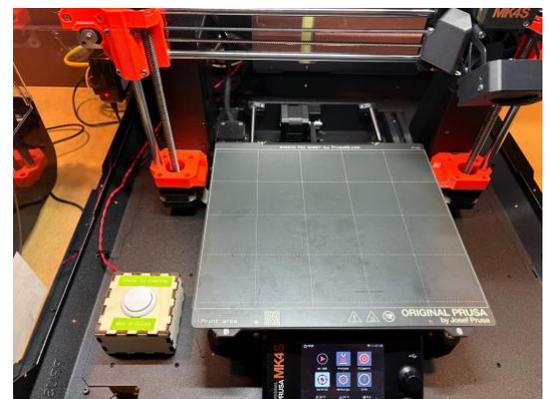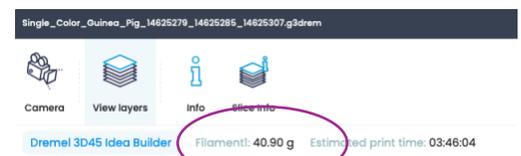
12.   Optional: We recommend staying near the printer to watch the first layer of your print. Most prints that fail will have issues with bed adherence at this step.

REMOVE PRINT: Remove print from build plate

13.   Lift metal build plate from printer. Flex the build sheet with the object pointed away from yourself and 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, this may not be enough to release the object. In these cases, you may use a plastic putty knife (attached to printer) to release and remove it. Replace metal build plate in printer.