

UNIVERSIDADE DE AVEIRO

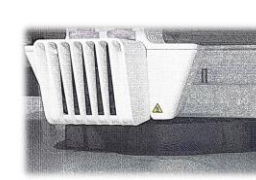
DEPARTAMENTO DE ENGENHARIA MECÂNICA

competências transferíveis II

Fabrico Aditivo e Impressão 3D



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(sala 22.4.5)



AULA 6 – introdução à programação de uma impressora 3D (Ultimaker-CURA)

sumário

Introdução à utilização e fundamentos do funcionamento de uma ferramenta de programação de uma impressora 3D (Ultimaker-CURA)

Interface e funcionalidades

objetivos

Demonstrar conhecimento dos princípios e fundamentos do funcionamento de uma ferramenta de programação de impressão 3D e do seu potencial de utilização.

Demonstrar conhecimento da utilização de uma ferramenta de “slicer”.

Demonstrar conhecimento da utilização das funções e exportação de ficheiros de programação de uma impressora 3D

ULTIMAKER – CURA - TUTORIAL

<https://support.ultimaker.com/hc/en-us/categories/360002327600>

<https://youtu.be/NsGOoi3677M>

<https://youtu.be/siycGWzJ6uc>

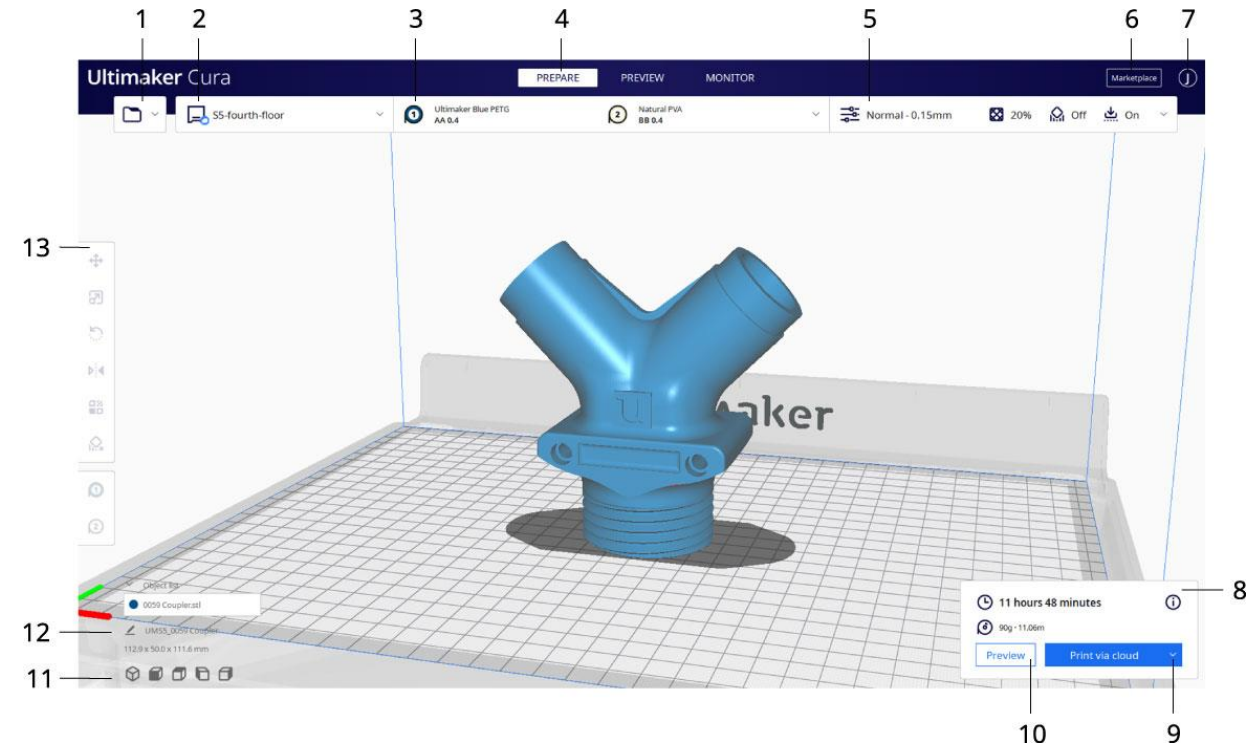
What is Cura 3D?

<https://all3dp.com/1/cura-tutorial-software-slicer-cura-3d/>

Interface overview of Ultimaker Cura

<https://support.ultimaker.com/hc/en-us/articles/360011838219-Interface-overview-of-Ultimaker-Cura>

1. Opens a 3D file.
2. **Printer selection panel.** Displays the selected printer.
3. **Configuration panel.** Contains the material and print core setup.
4. **Stages.** The prepare, preview and monitor stage. Each stage is arranged to efficiently go through each 3D printing step.
5. **Print settings panel.** Contains all slice strategy parameters.
6. **Marketplace.** Contains plugins and material packages.
7. **Ultimaker account.** Allows access to cloud functionality, Marketplace plugins and print profiles, backups and more.
8. **Action panel.** Contains an action button dependent on the current stage.
9. **Print over network.** Save to removable disk or save to file.
10. **Preview.** Proceeds to the next stage, the preview stage.
11. **Camera position tool.** Easily positions the camera to default show default viewing angles.
12. **Model information.** Contains the 3D model name and dimensions of all printable models on the build plate.
13. **Adjustment tools.** Move, rotate, mirror, scale, and more options.





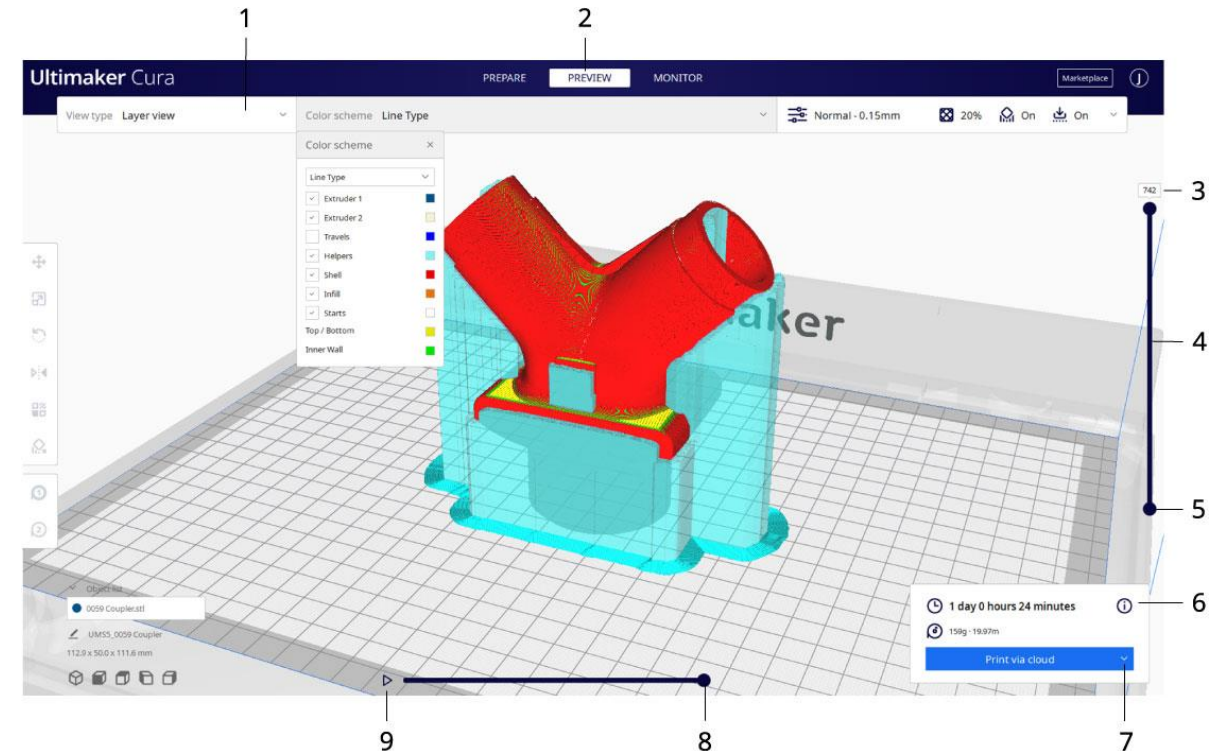
How to start your first print in Ultimaker Cura

<https://support.ultimaker.com/hc/en-us/articles/360012007119-How-to-start-your-first-print-in-Ultimaker-Cura>

The Ultimaker Cura workflow explained

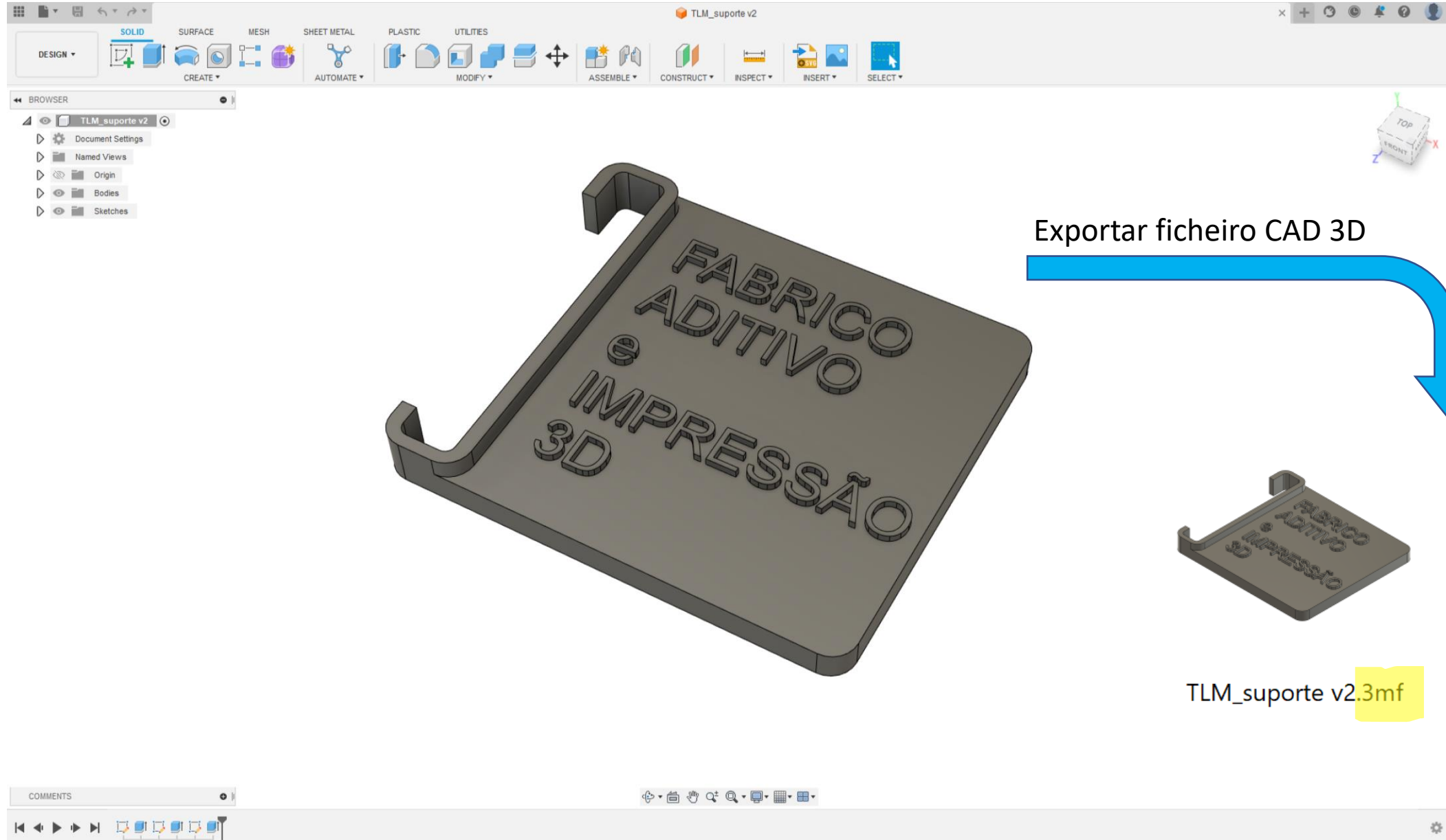
<https://support.ultimaker.com/hc/en-us/articles/360011733980-The-Ultimaker-Cura-workflow-explained>

<https://3dlab.com.br/cura-3d-ultimaker/>

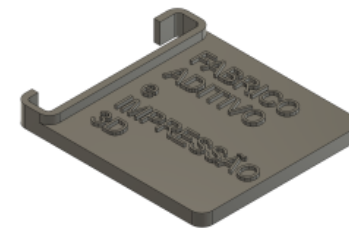
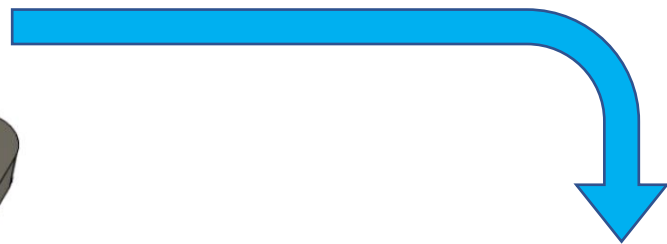




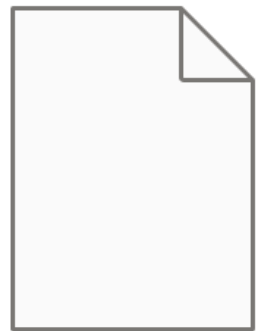
EXEMPLO



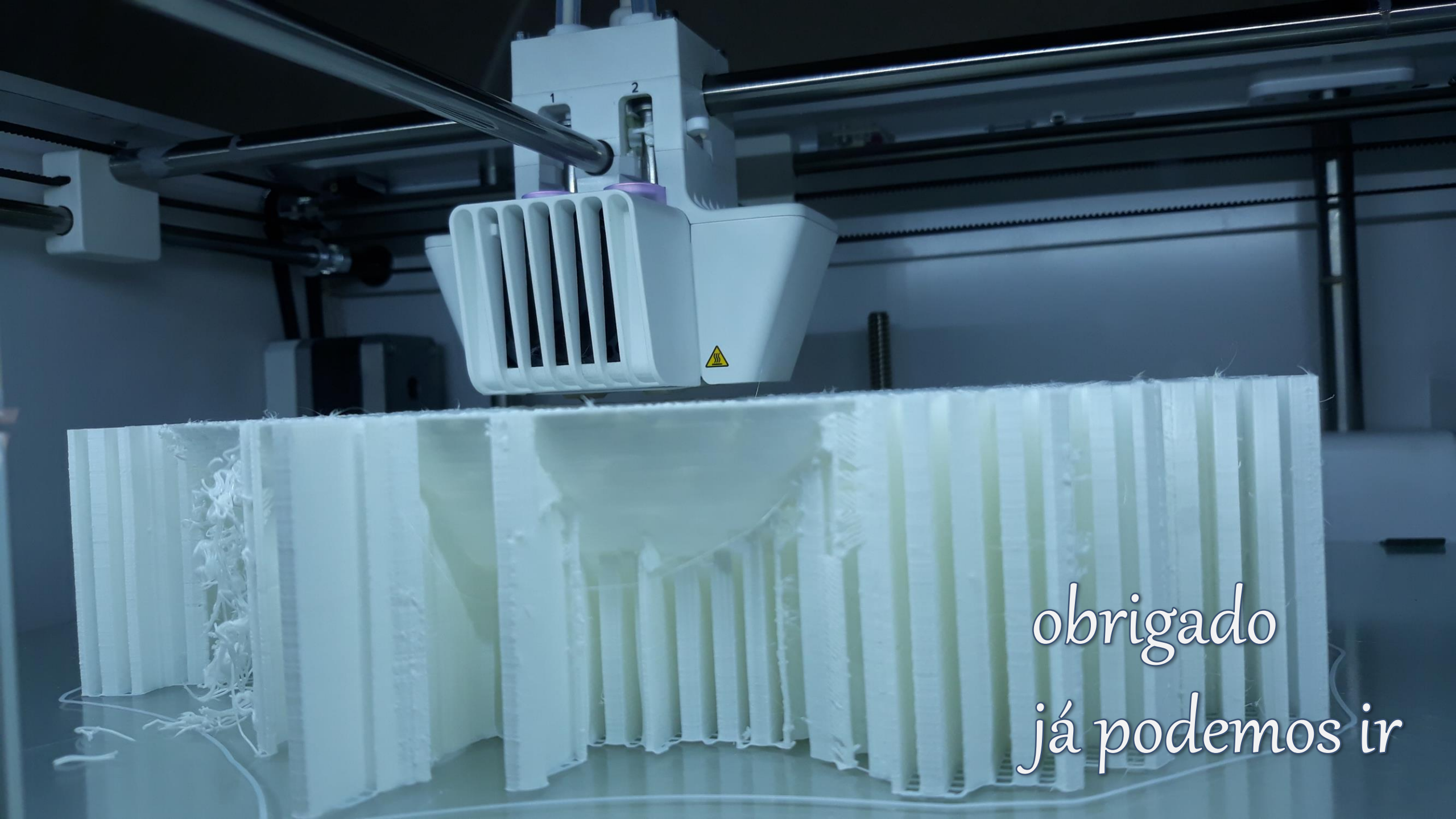
Exportar ficheiro CAD 3D



TLM_suporte v2.3mf



TLM_suporte v2.stl



obrigado
já podemos ir