

LAR – 3D Printers

Software – slide 2

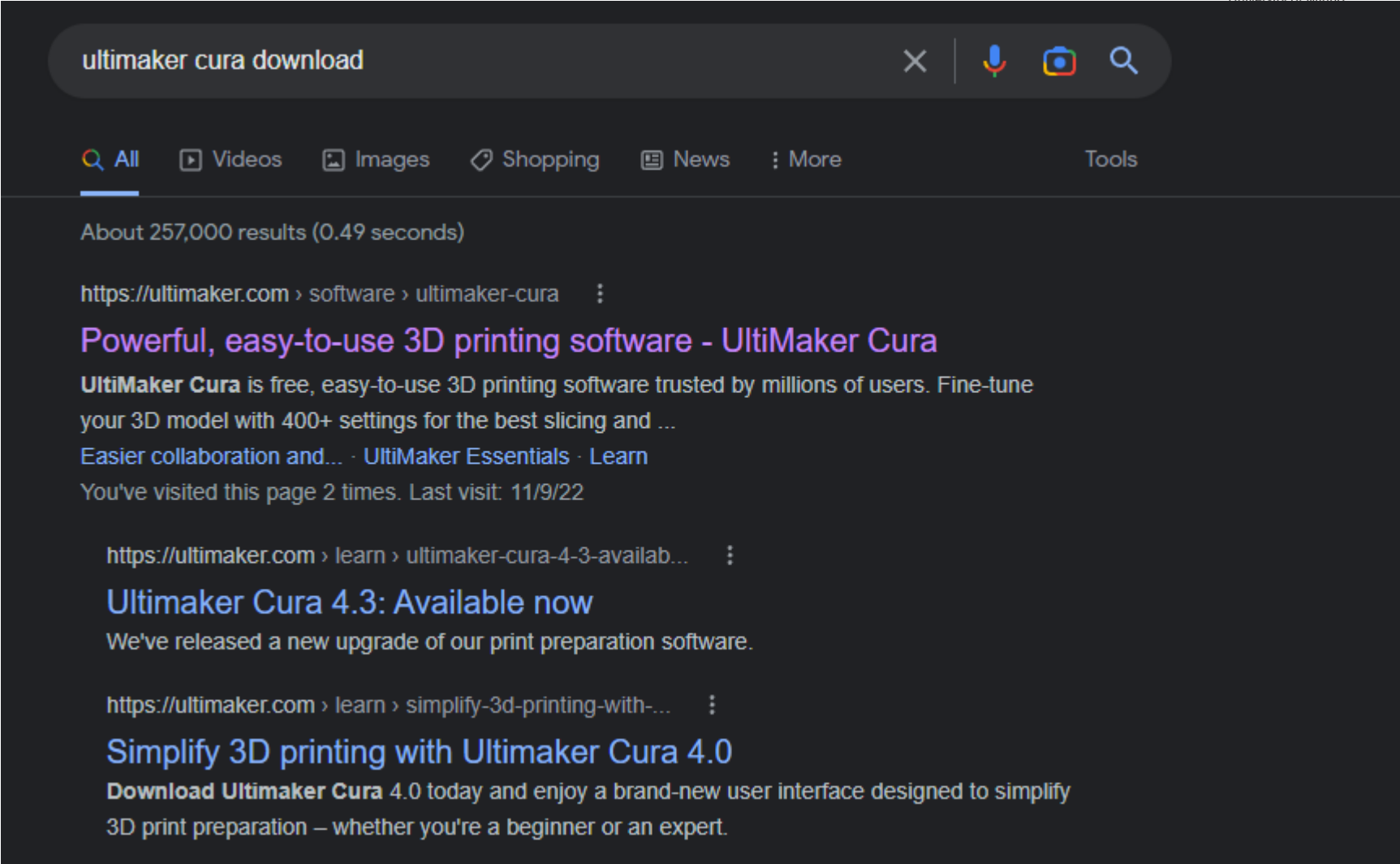
Anet – slide 14

Poncha – slide 20

MakerBot – slide 26

Como Imprimir – slide 35

Ultimaker Cura Download



A screenshot of a Google search interface. The search bar at the top contains the text "ultimaker cura download". Below the search bar, there are tabs for "All", "Videos", "Images", "Shopping", "News", and "More". The "All" tab is selected. The search results show "About 257,000 results (0.49 seconds)". The first result is from "https://ultimaker.com" and is titled "Powerful, easy-to-use 3D printing software - UltiMaker Cura". The description says "UltiMaker Cura is free, easy-to-use 3D printing software trusted by millions of users. Fine-tune your 3D model with 400+ settings for the best slicing and ...". Below this is a link to "Easier collaboration and... · UltiMaker Essentials · Learn" and a note "You've visited this page 2 times. Last visit: 11/9/22". The second result is also from "https://ultimaker.com" and is titled "Ultimaker Cura 4.3: Available now". The description says "We've released a new upgrade of our print preparation software.". The third result is from "https://ultimaker.com" and is titled "Simplify 3D printing with Ultimaker Cura 4.0". The description says "Download Ultimaker Cura 4.0 today and enjoy a brand-new user interface designed to simplify 3D print preparation – whether you're a beginner or an expert."

ultimaker cura download

× | 🔊 📷 🔍

🔍 All 📺 Videos 🖼️ Images 🛒 Shopping 📰 News ⋮ More Tools

About 257,000 results (0.49 seconds)

<https://ultimaker.com> › software › ultimaker-cura ⋮

Powerful, easy-to-use 3D printing software - UltiMaker Cura

UltiMaker Cura is free, easy-to-use 3D printing software trusted by millions of users. Fine-tune your 3D model with 400+ settings for the best slicing and ...

Easier collaboration and... · UltiMaker Essentials · Learn

You've visited this page 2 times. Last visit: 11/9/22

<https://ultimaker.com> › learn › ultimaker-cura-4-3-availab... ⋮

Ultimaker Cura 4.3: Available now

We've released a new upgrade of our print preparation software.

<https://ultimaker.com> › learn › simplify-3d-printing-with-... ⋮

Simplify 3D printing with Ultimaker Cura 4.0

Download Ultimaker Cura 4.0 today and enjoy a brand-new user interface designed to simplify 3D print preparation – whether you're a beginner or an expert.

Download

UltiMaker Cura

Trusted by millions of users, UltiMaker Cura is the world's most popular 3D printing software. Prepare prints with a few clicks, integrate with CAD software for an easier workflow, or dive into custom settings for in-depth control.

[Download for free](#)

[Own an UltiMaker?](#)

[Find previous versions](#)

[System requirements](#)



What makes UltiMaker Cura the most advanced 3D printer software?

Slicing features

Integrated workflow

Easy to use

UltiMaker Marketplace

UltiMaker Cura Enterprise

Escolher o sistema operativo e instalar

Choose your operating system

You're almost ready to start 3D printing with Ultimaker Cura. Just let us know which operating system you are using.



Ultimaker Cura 5.2.2
Windows, 64 bit



Ultimaker Cura 5.2.2
MacOS, 64 bit

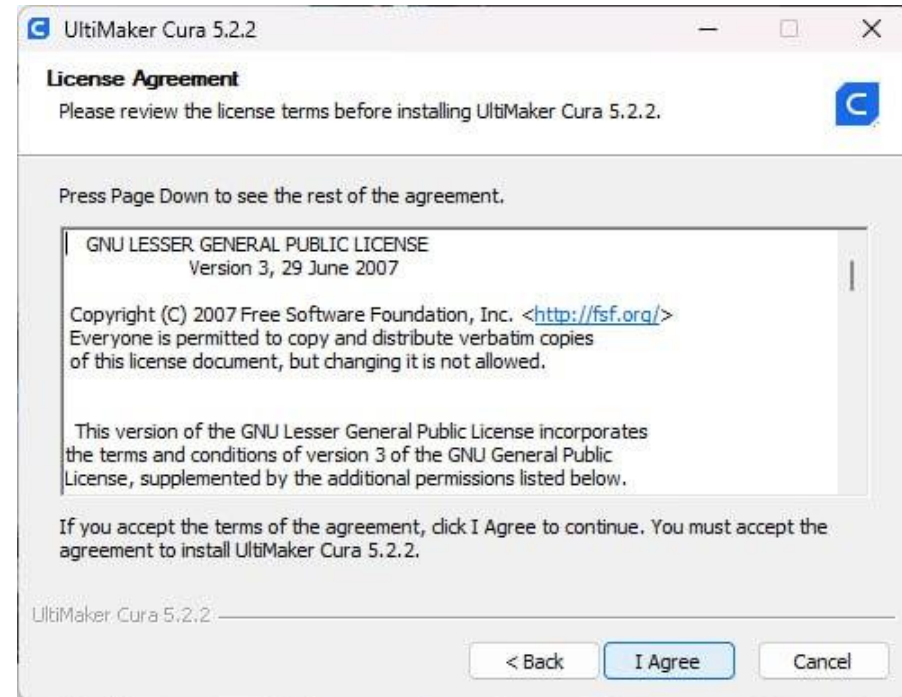


Ultimaker Cura 5.2.2
Linux, 64 bit

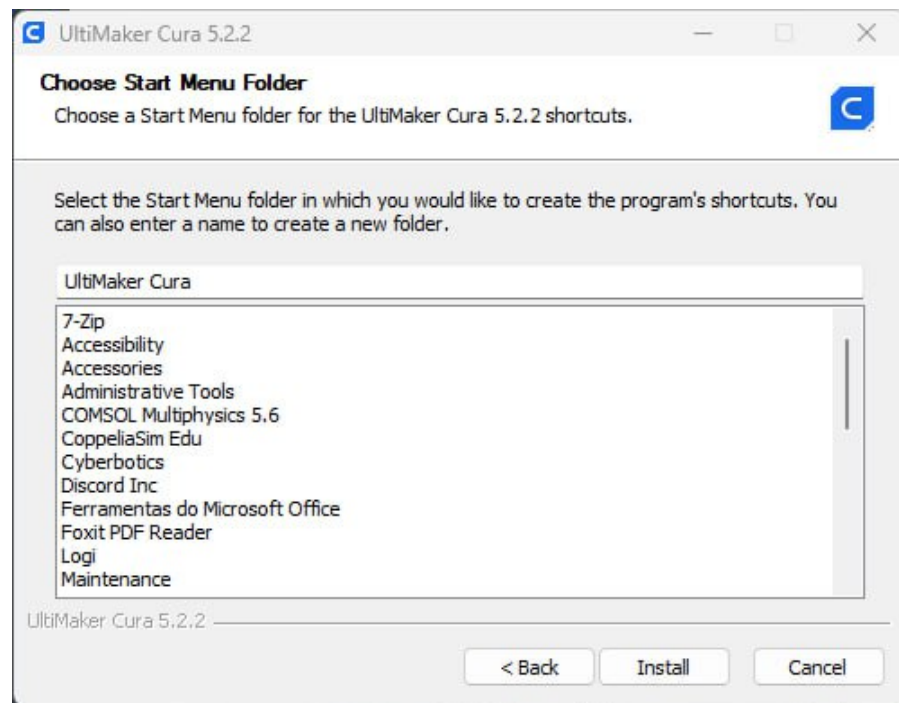
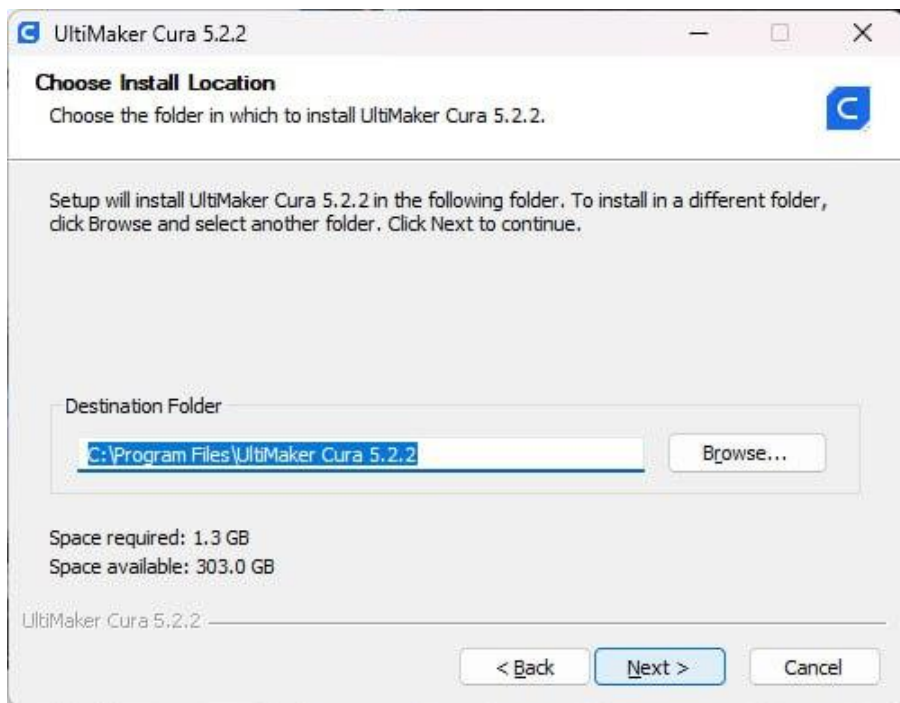


Ultimaker Cura 5.2.2
Linux-Modern, 64 bit

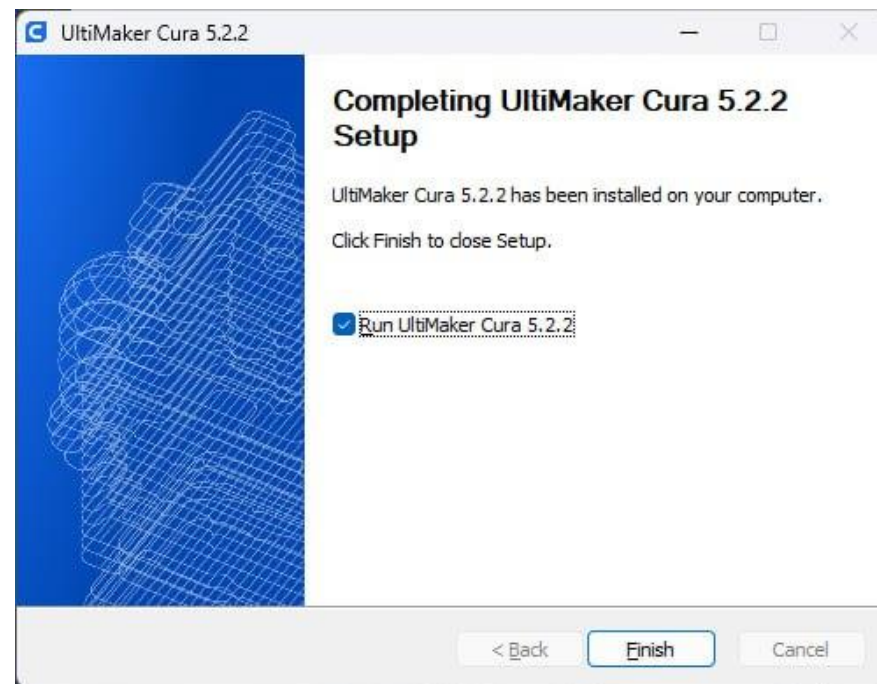
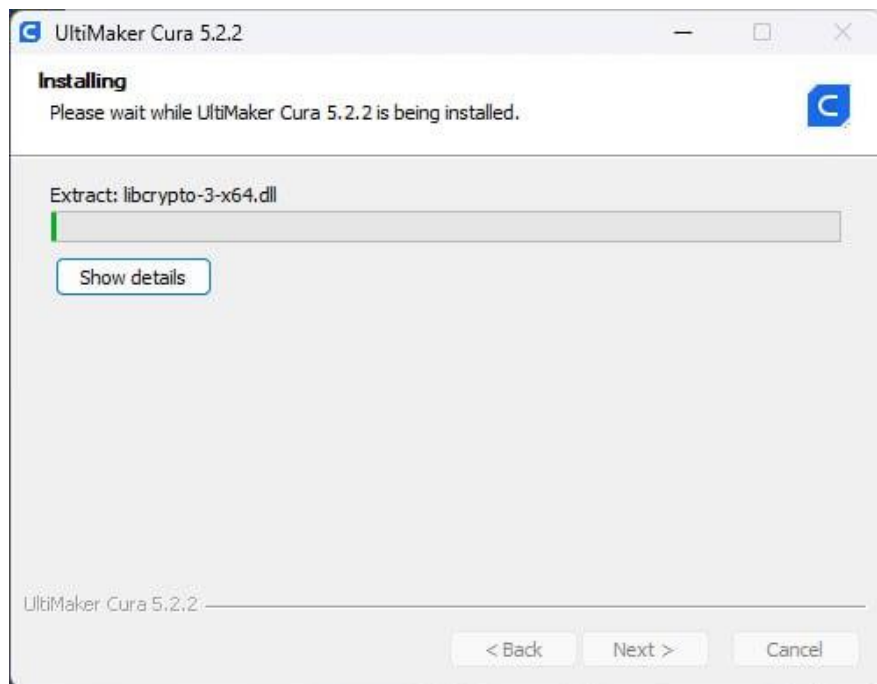
Fazer a Instalação (pt. 1)



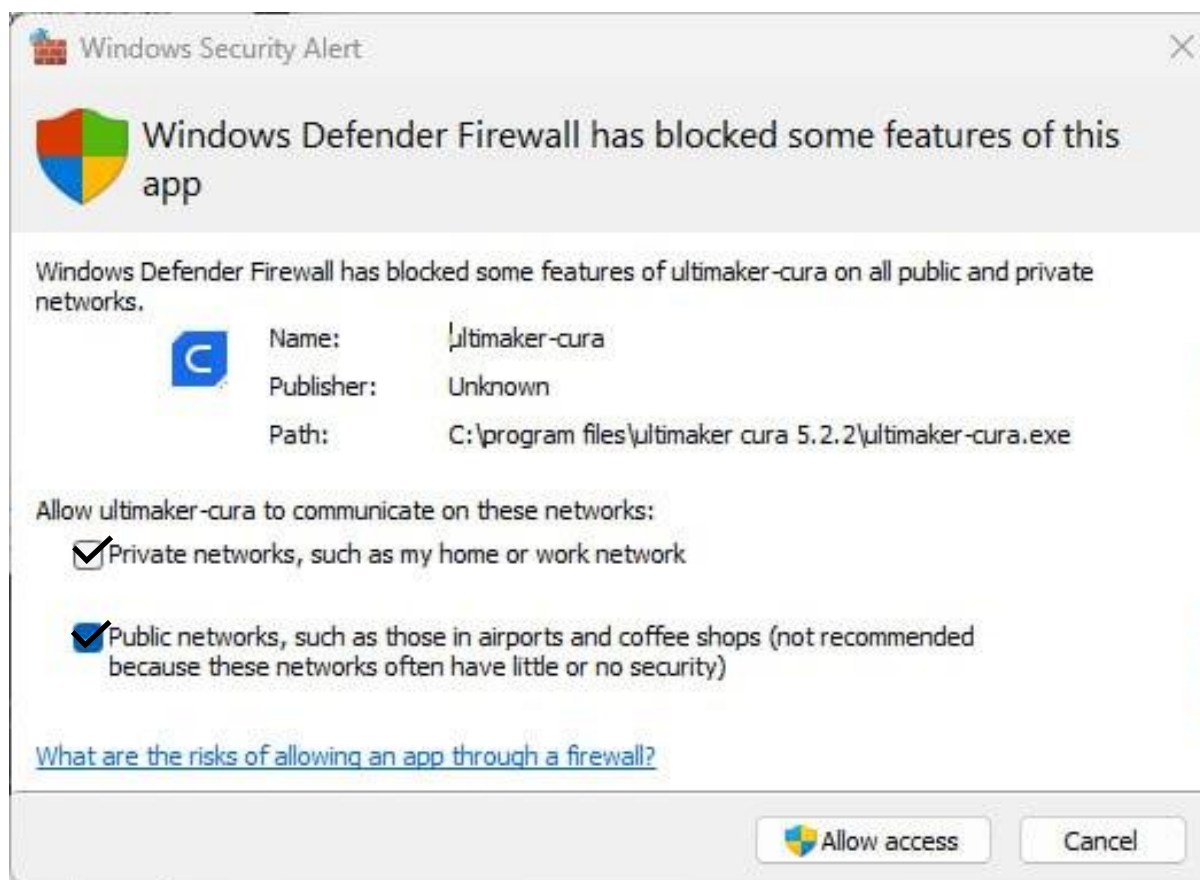
Fazer a Instalação (pt. 2)



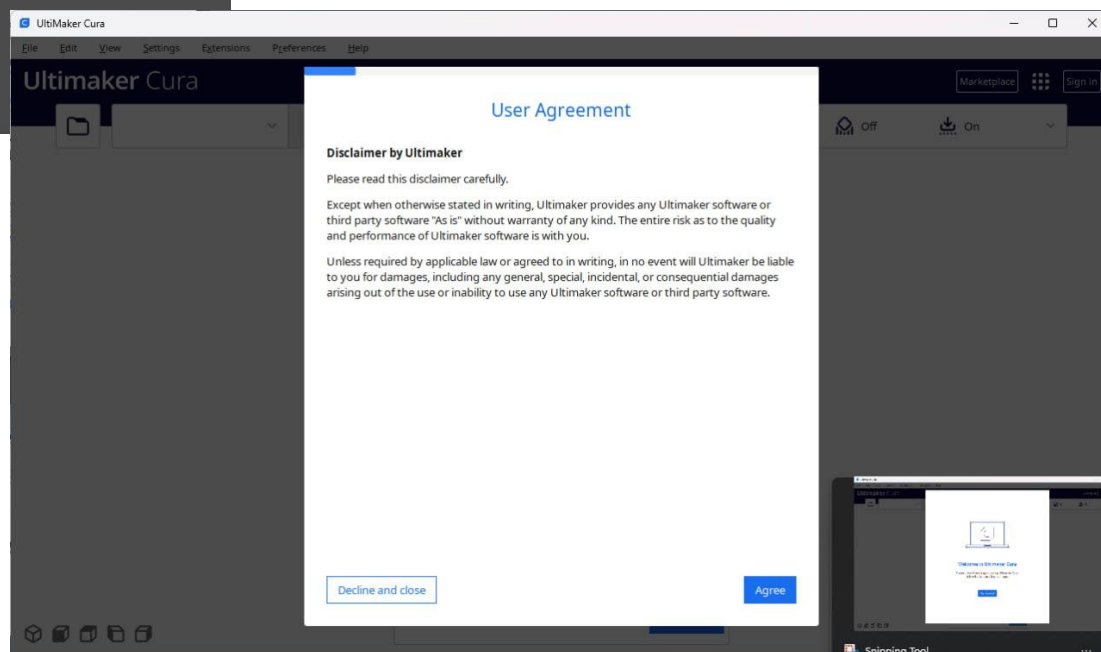
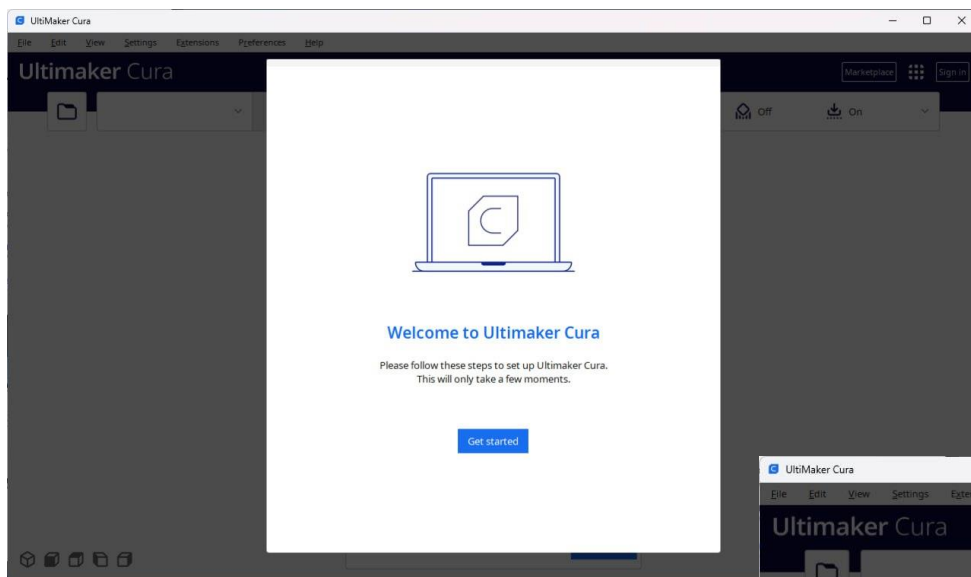
Fazer a Instalação (pt. 3)



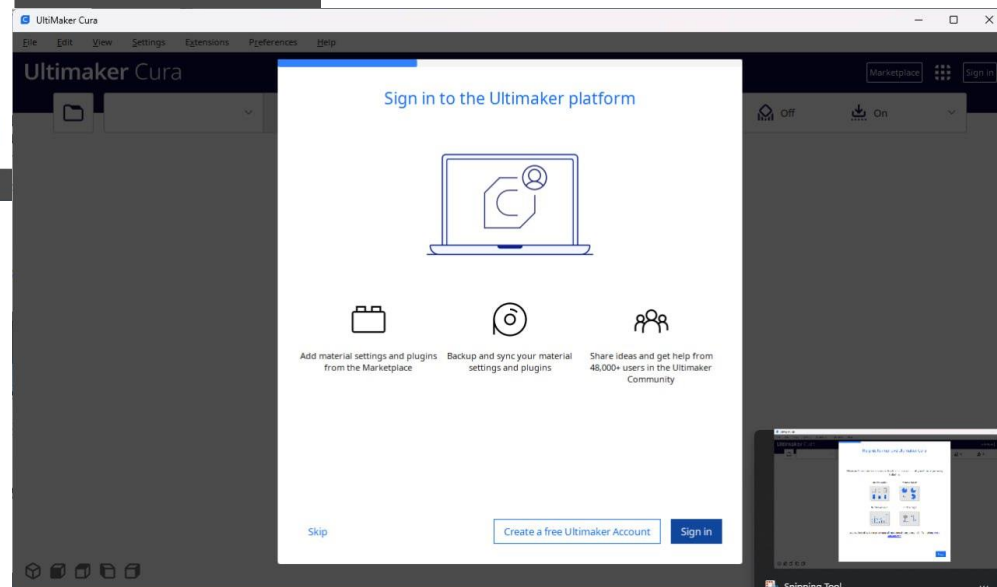
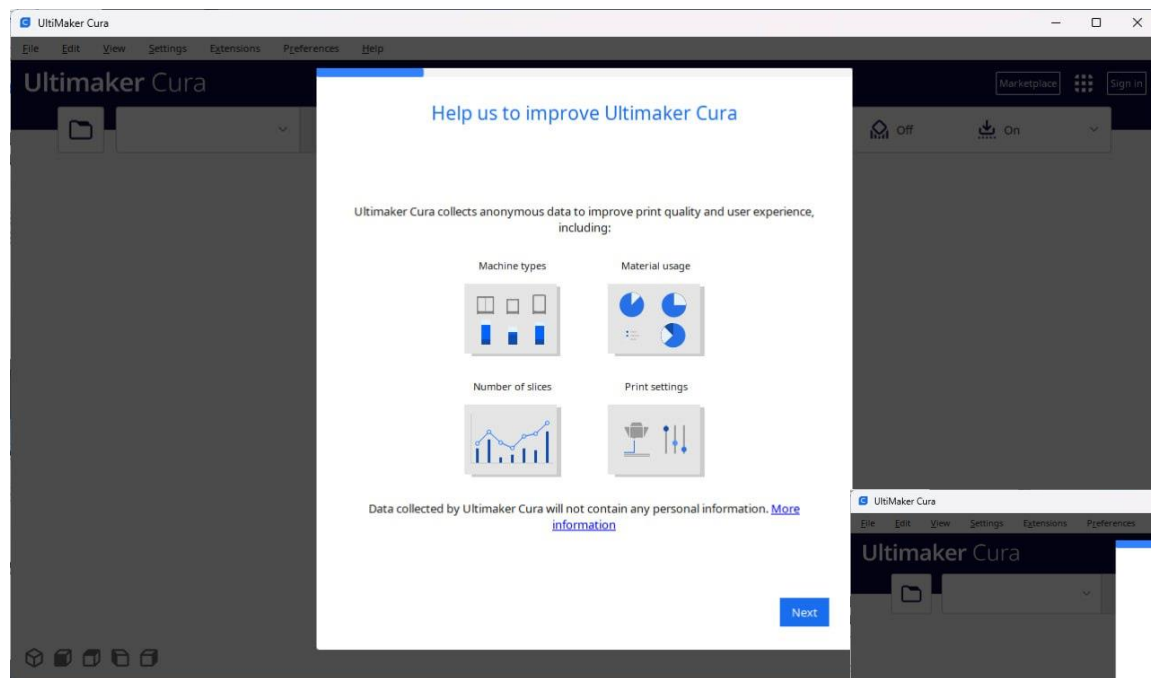
Fazer a Instalação (pt. 4)



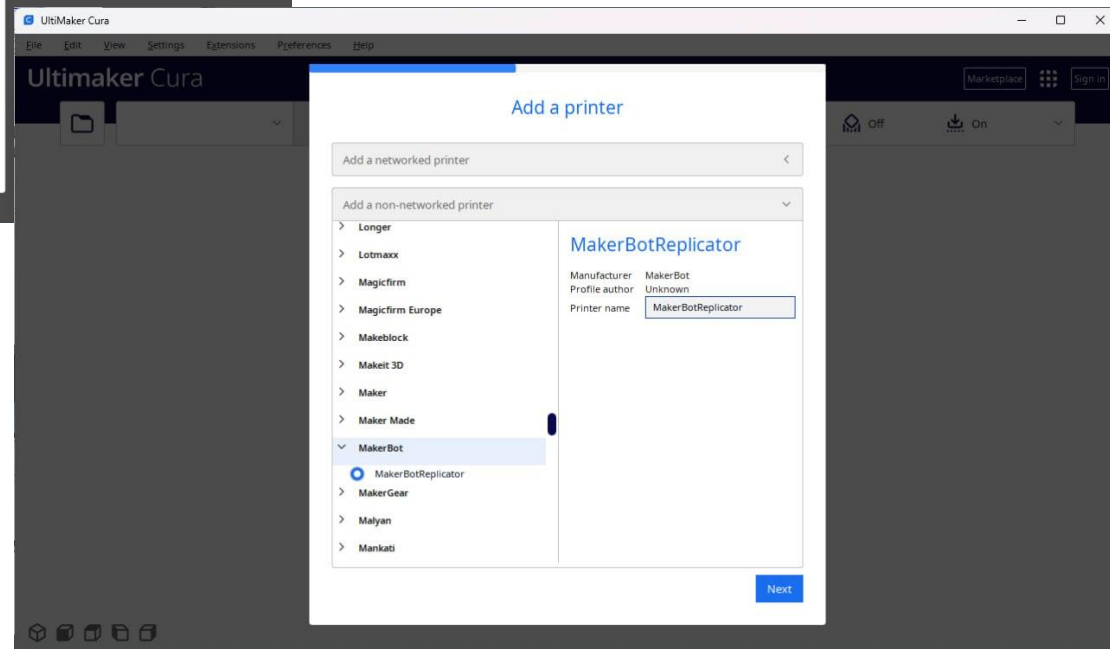
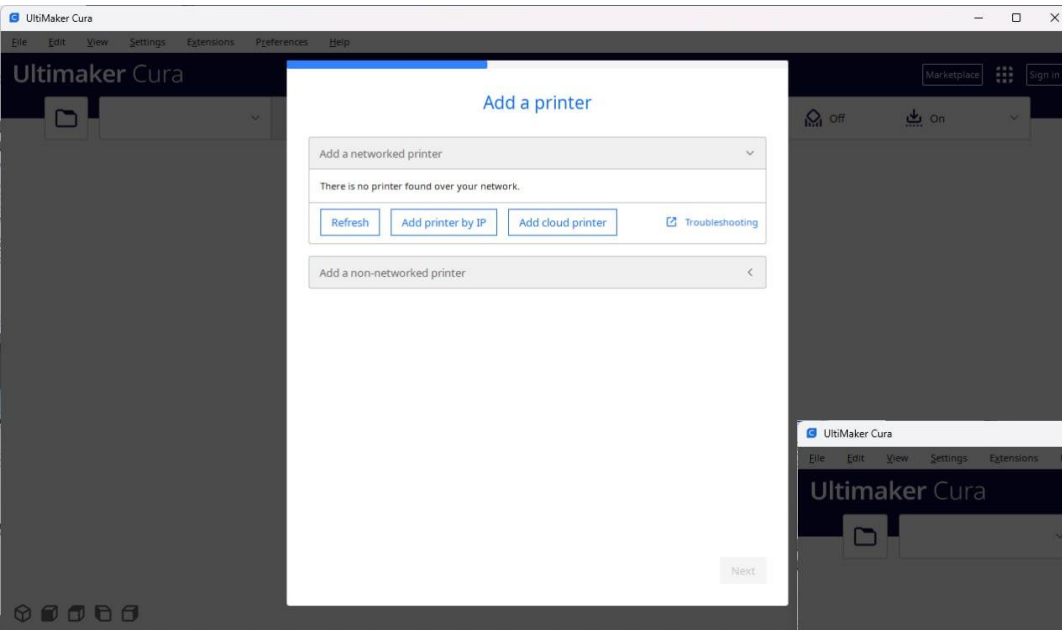
Inicialização Software



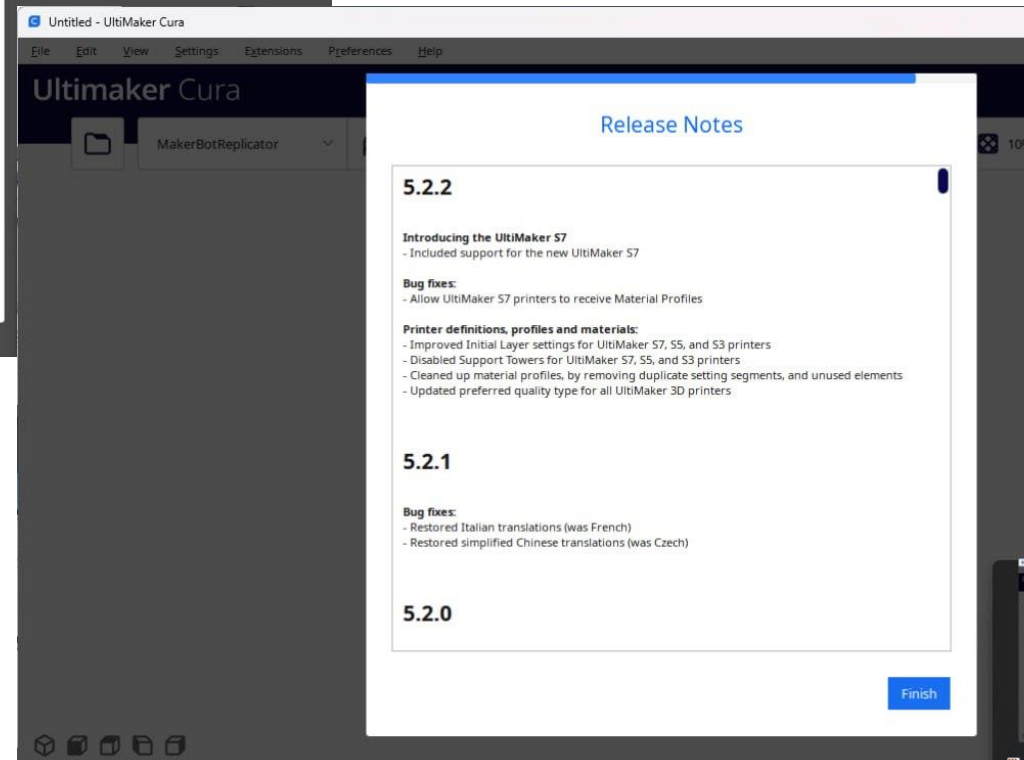
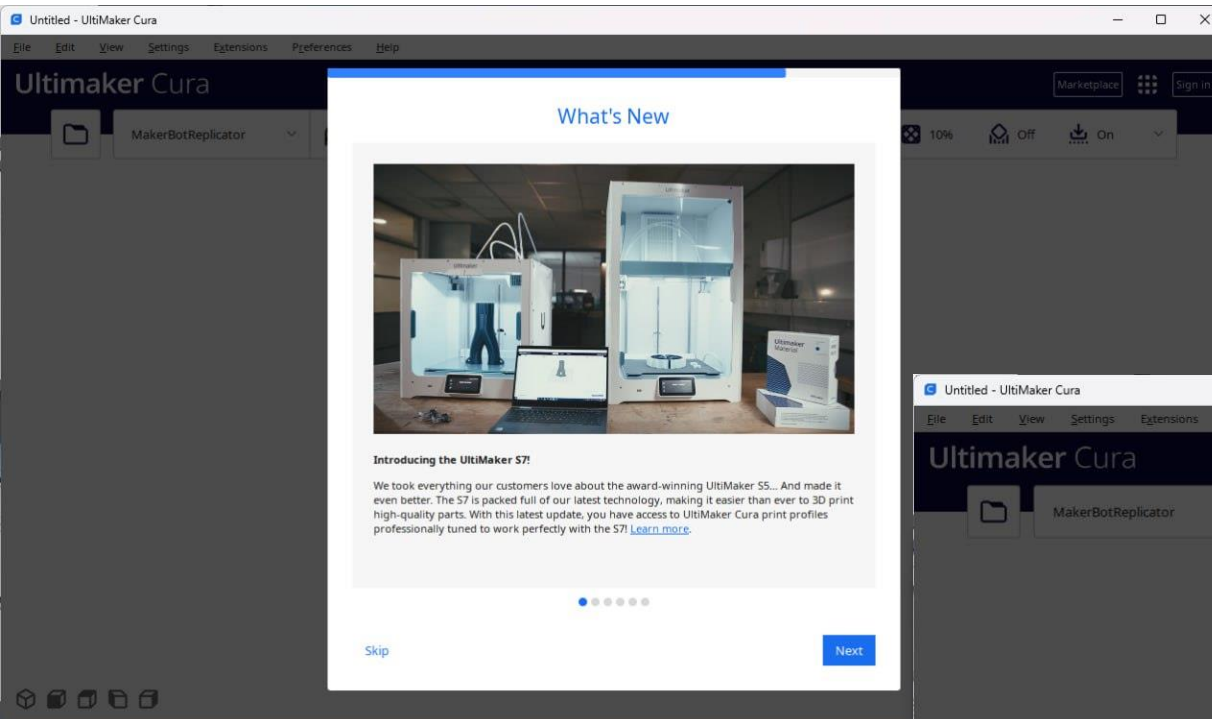
Inicialização Software

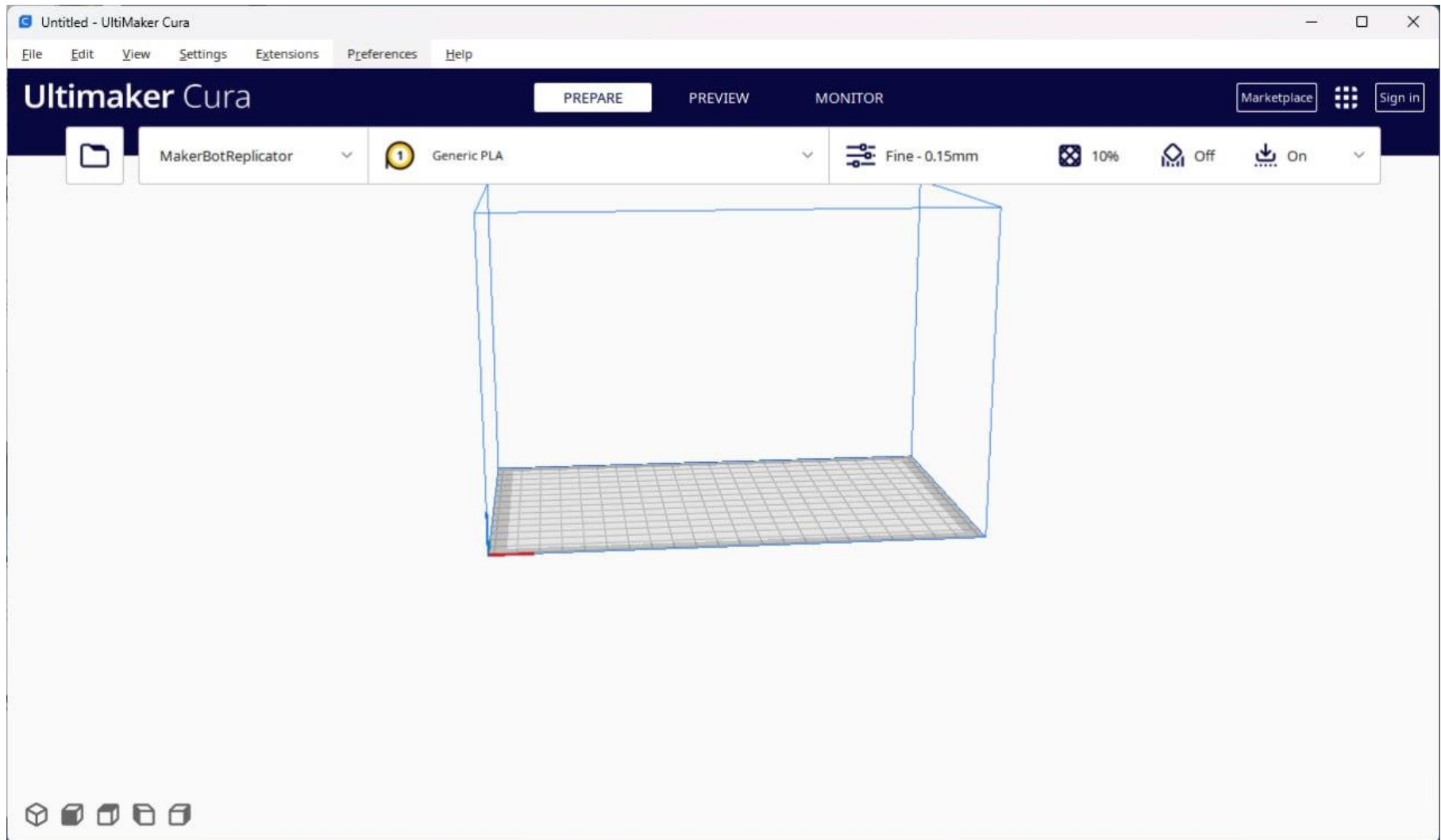


Configuração MakerBot

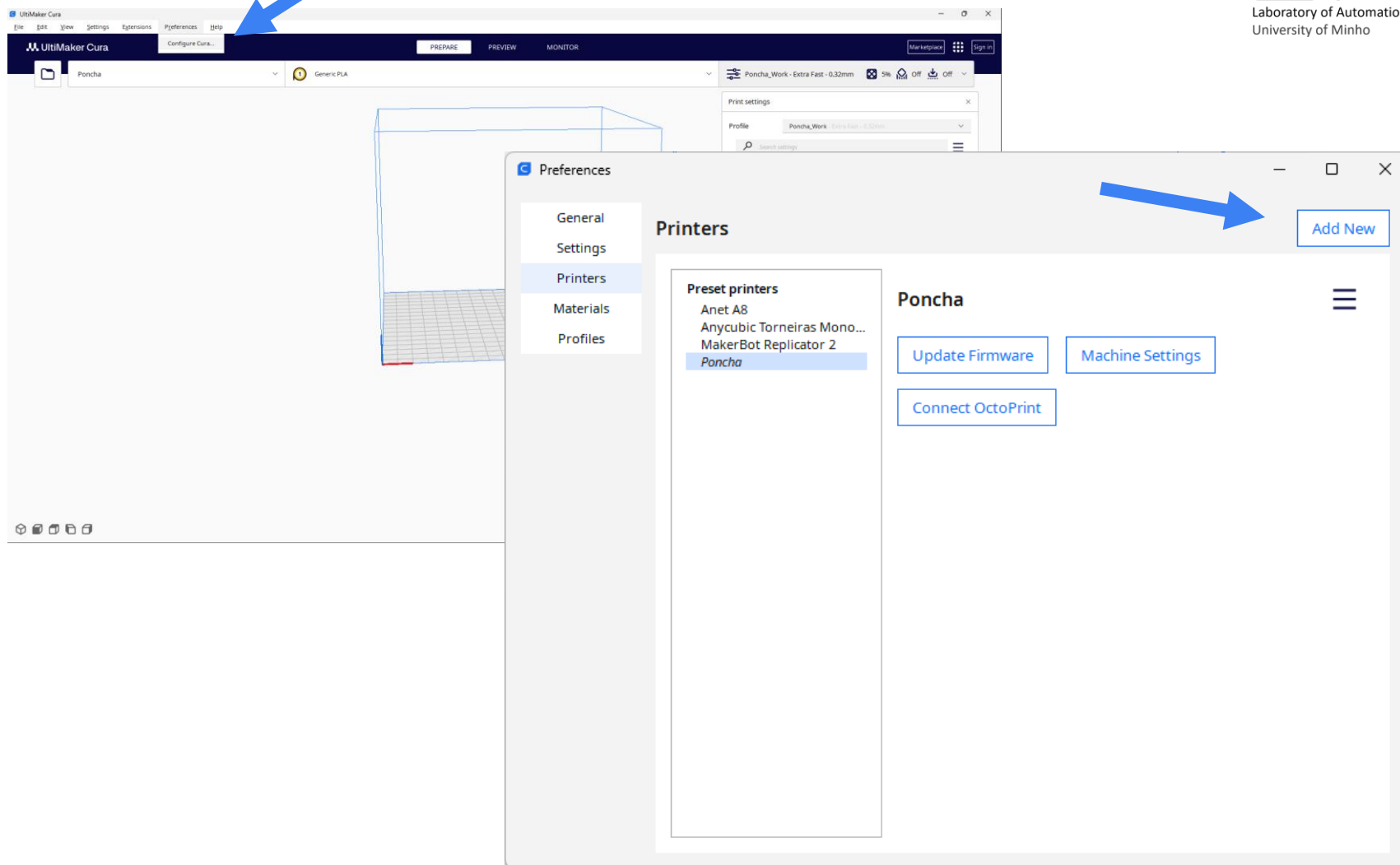


Adds.....



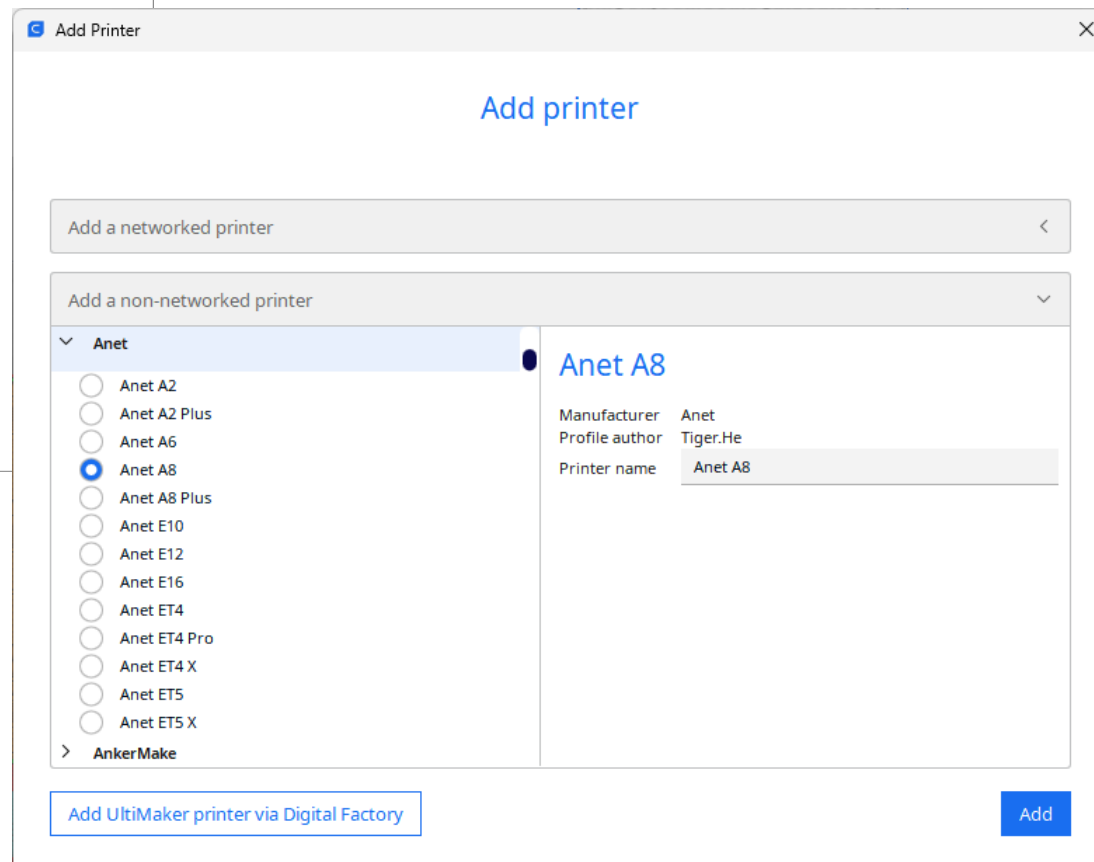
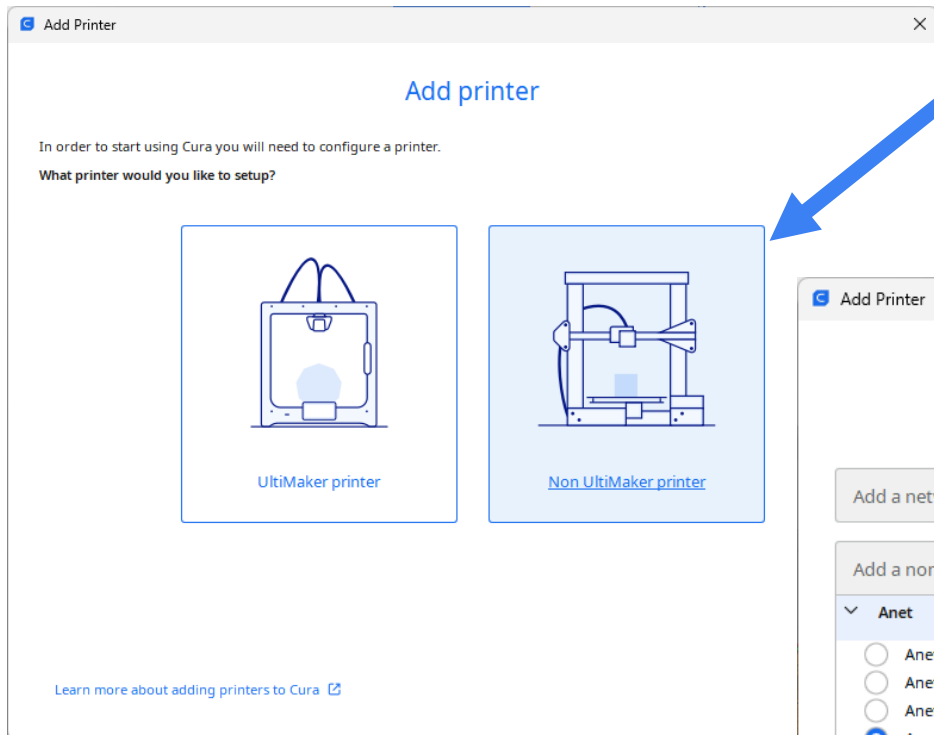


Como adicionar a impressora Anet A8

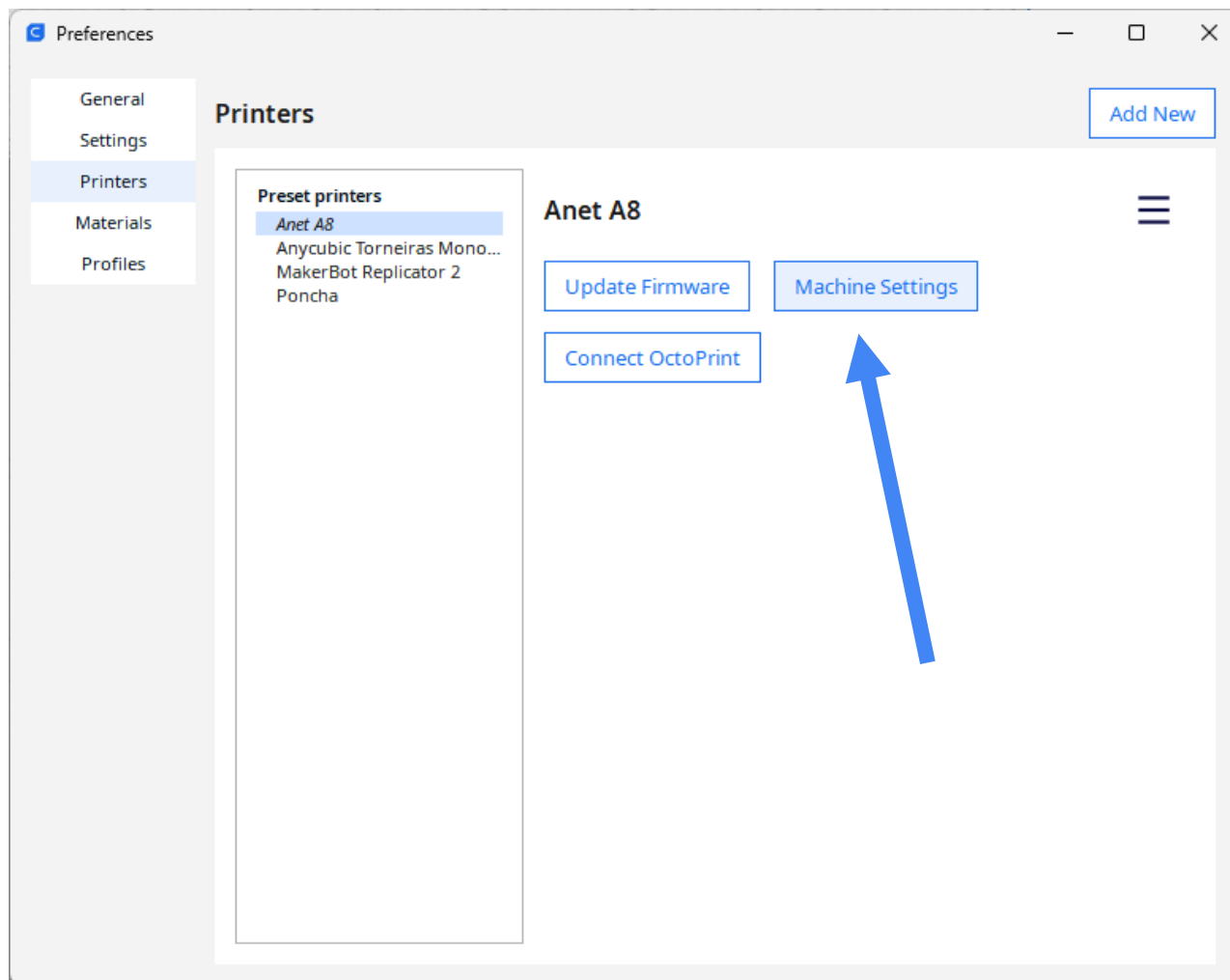


Adicionar impressora

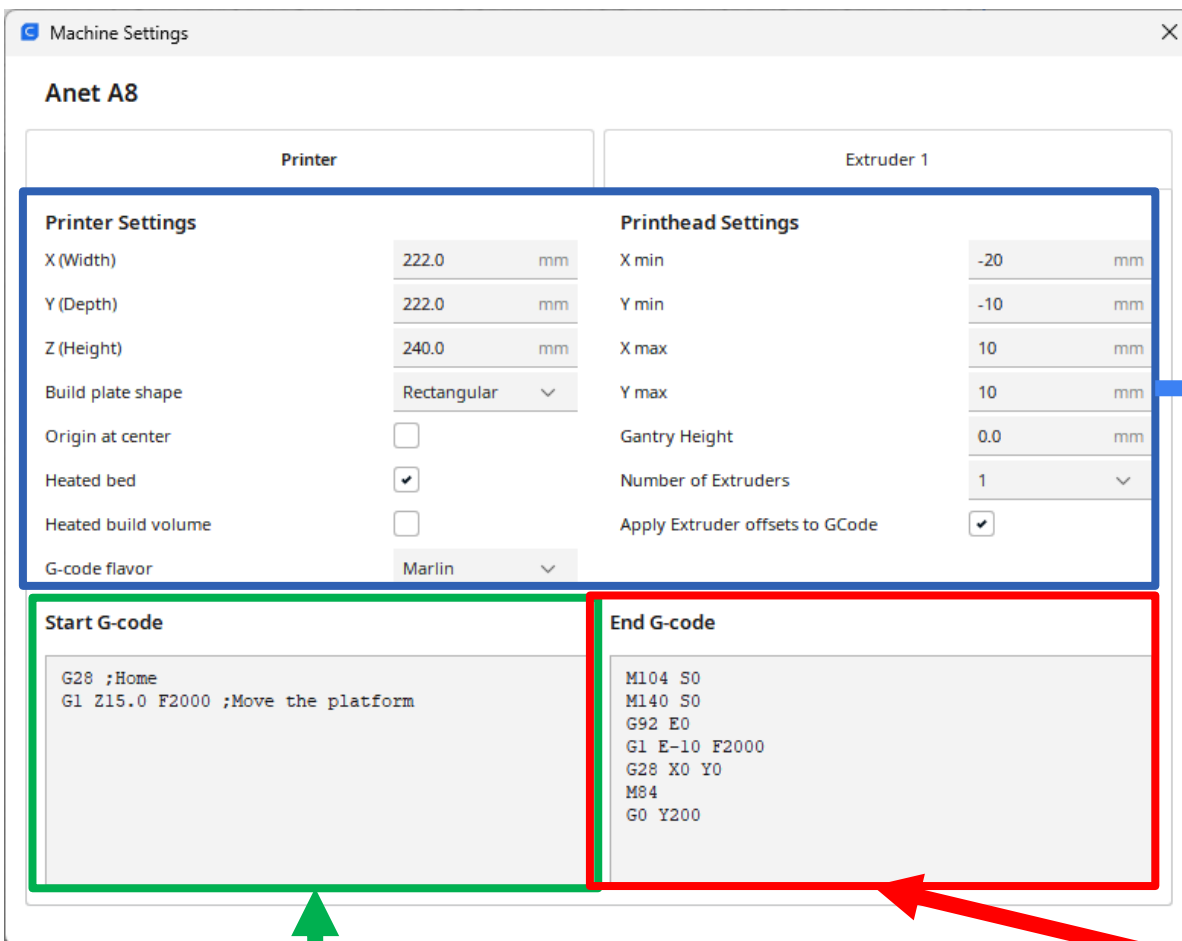
Selecionar Anet A8



Ir as definições da Anet A8



Verificar os Settings



Printer		Extruder 1	
Printer Settings		Printhead Settings	
X (Width)	222.0 mm	X min	-20 mm
Y (Depth)	222.0 mm	Y min	-10 mm
Z (Height)	240.0 mm	X max	10 mm
Build plate shape	Rectangular	Y max	10 mm
Origin at center	<input type="checkbox"/>	Gantry Height	0.0 mm
Heated bed	<input checked="" type="checkbox"/>	Number of Extruders	1
Heated build volume	<input type="checkbox"/>	Apply Extruder offsets to GCode	<input checked="" type="checkbox"/>
G-code flavor	Marlin		
Start G-code		End G-code	
<pre>G28 ;Home G1 Z15.0 F2000 ;Move the platform</pre>		<pre>M104 S0 M140 S0 G92 E0 G1 E-10 F2000 G28 X0 Y0 M84 G0 Y200</pre>	

Colocar TODAS as caixas e os valores iguais a estes

Se os valores e caixas não forem colocados igual aos da imagem a impressora não vai funcionar corretamente e pode entupir e até mesmo estragar algum dos motores. Verificar todos os valores antes de avançar de slide.

Ver ficheiro Anet_A8_start.txt

Ver ficheiro Anet_A8_end.txt

Verificar os settings do extrusor

Machine Settings

Anet A8

Printer

Extruder 1

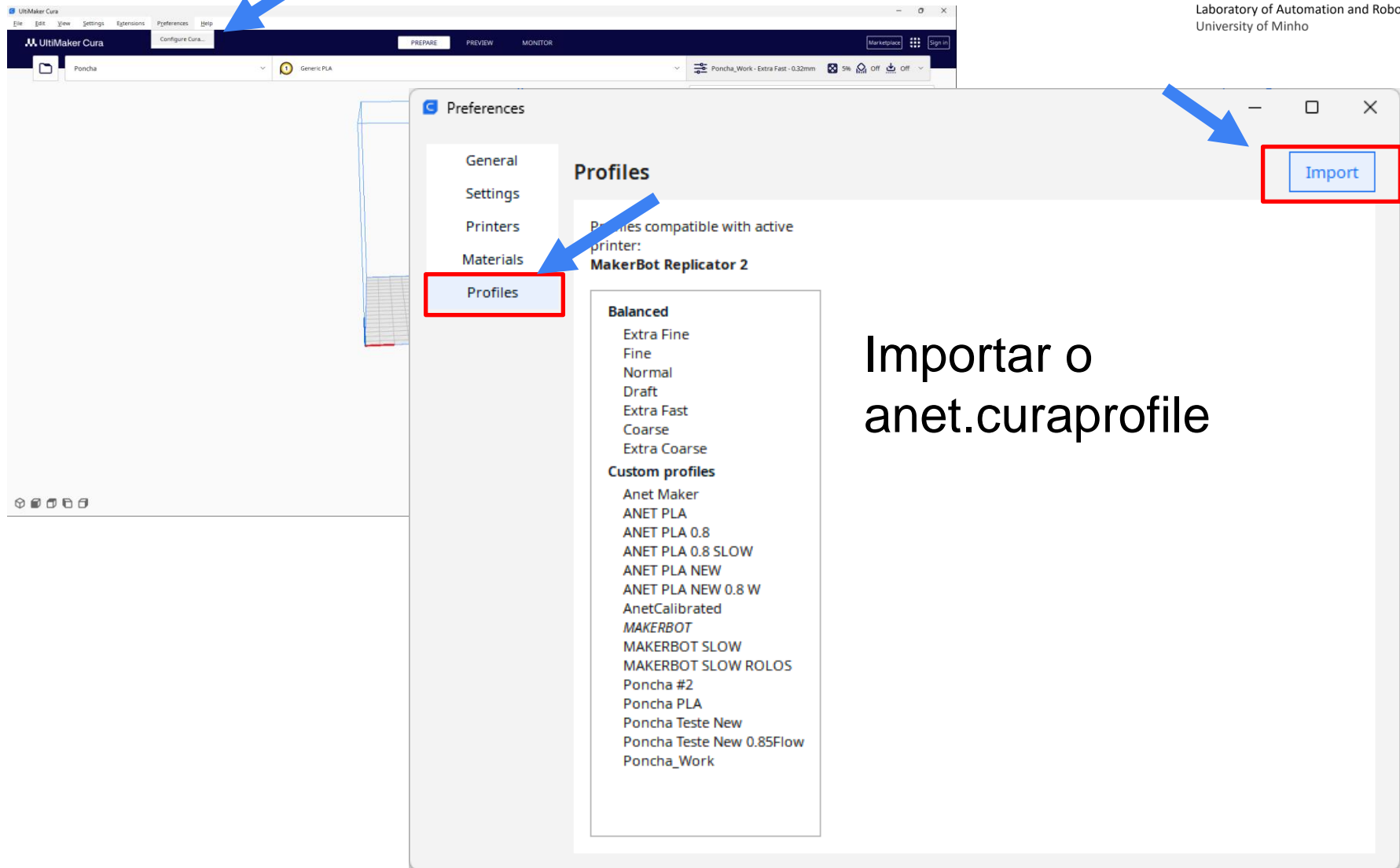
Nozzle Settings

Nozzle size	0.6	mm
Compatible material diameter	1.75	mm
Nozzle offset X	0.0	mm
Nozzle offset Y	0.0	mm
Cooling Fan Number	0	

Extruder Start G-code

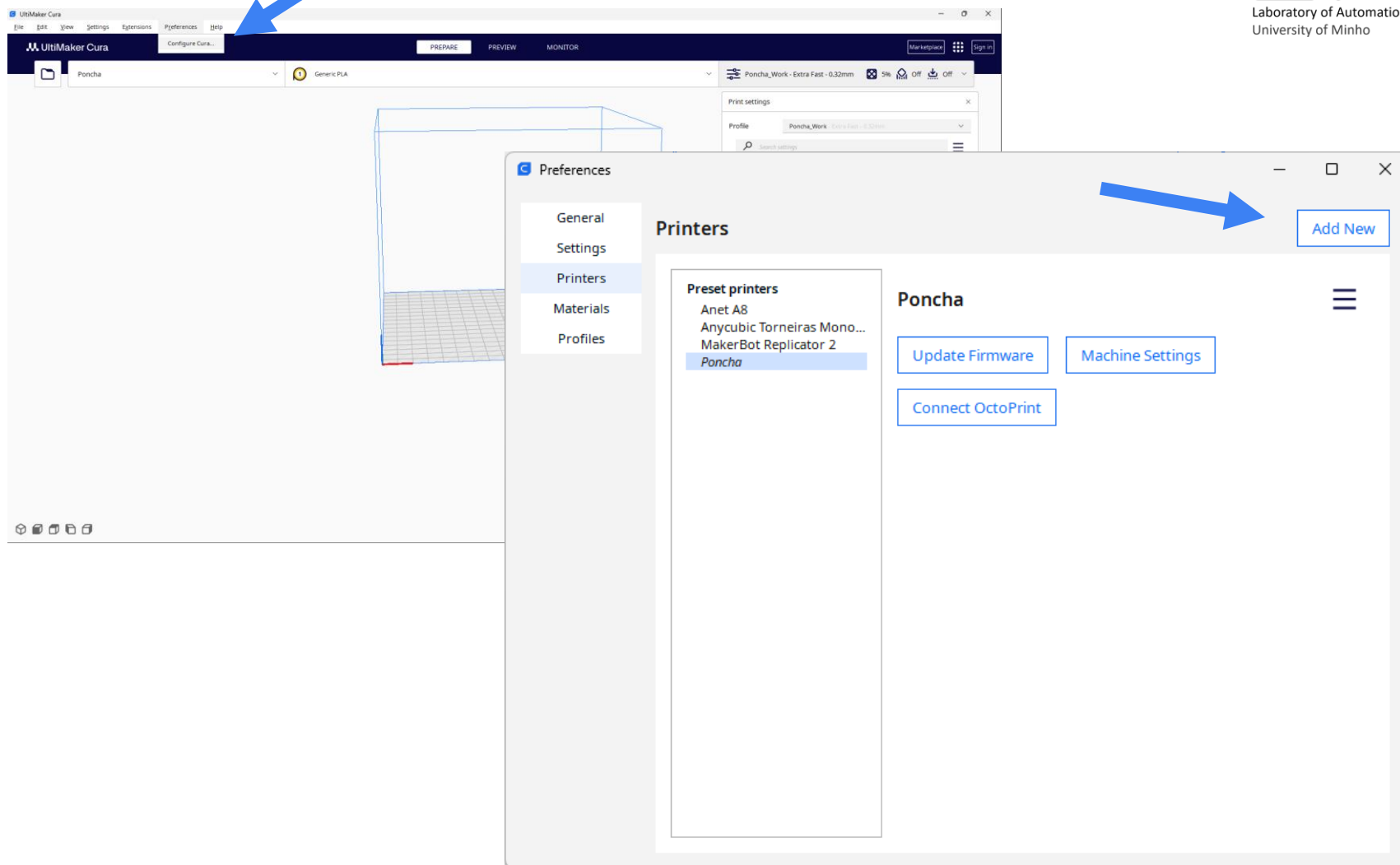
Extruder End G-code

Após a configuração anterior vão encontrar o seguinte ambiente, e ainda é necessário colocar as respetivas configurações de impressão. Voltar a ir aos settings.



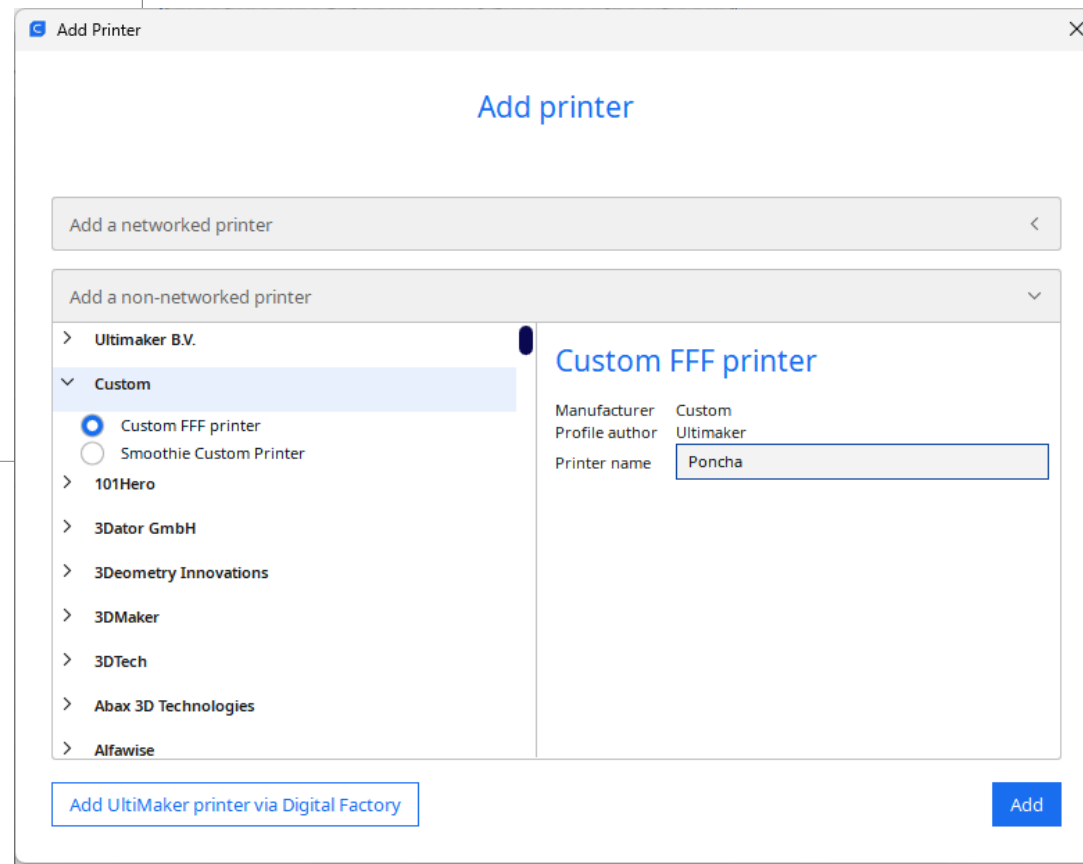
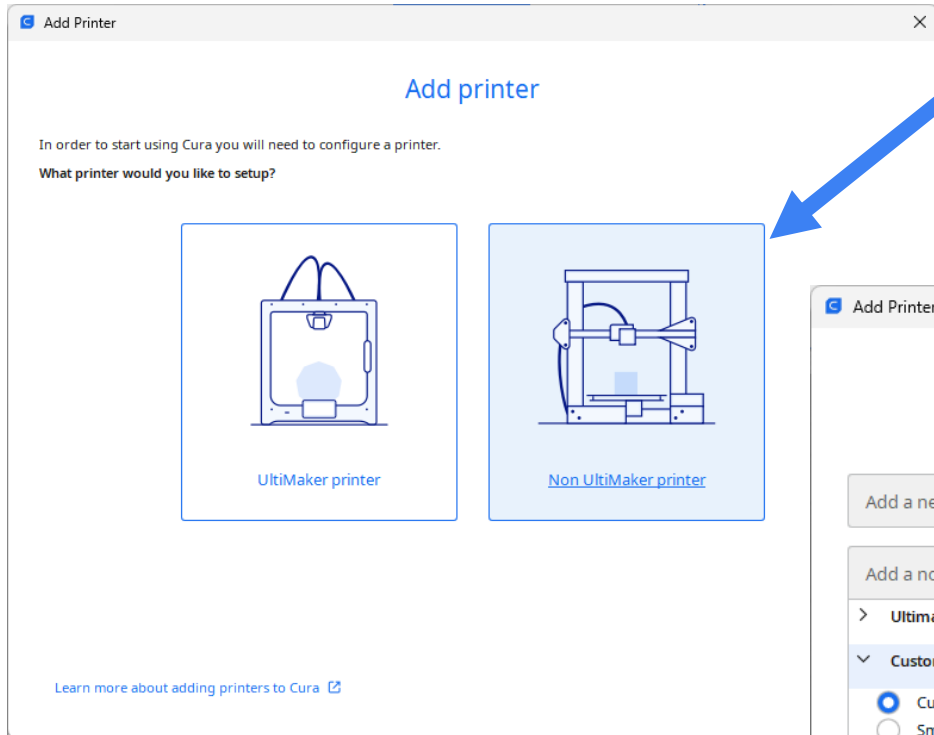
Importar o
anet.curaprofile

Como adicionar a impressora Poncha

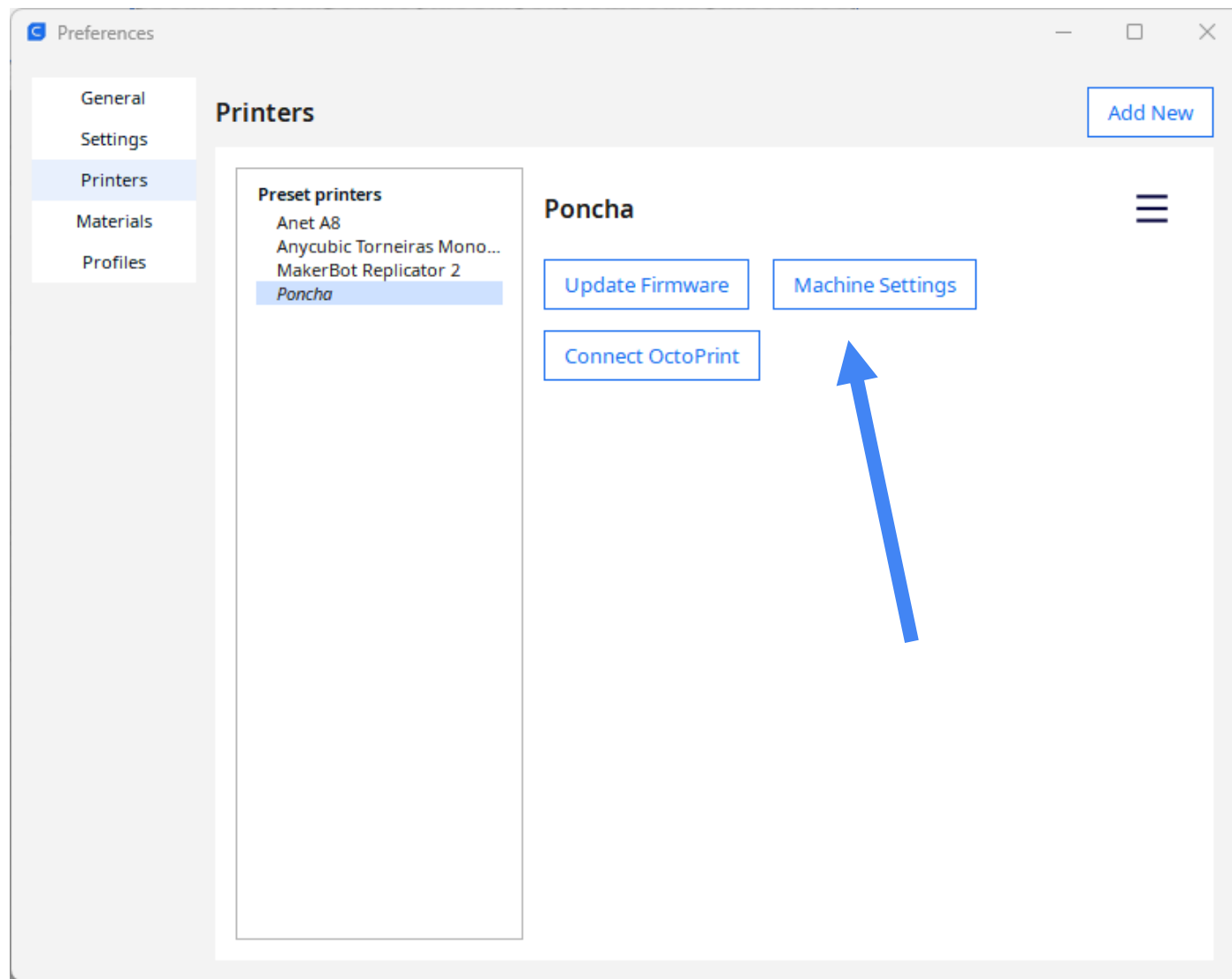


Adicionar impressora

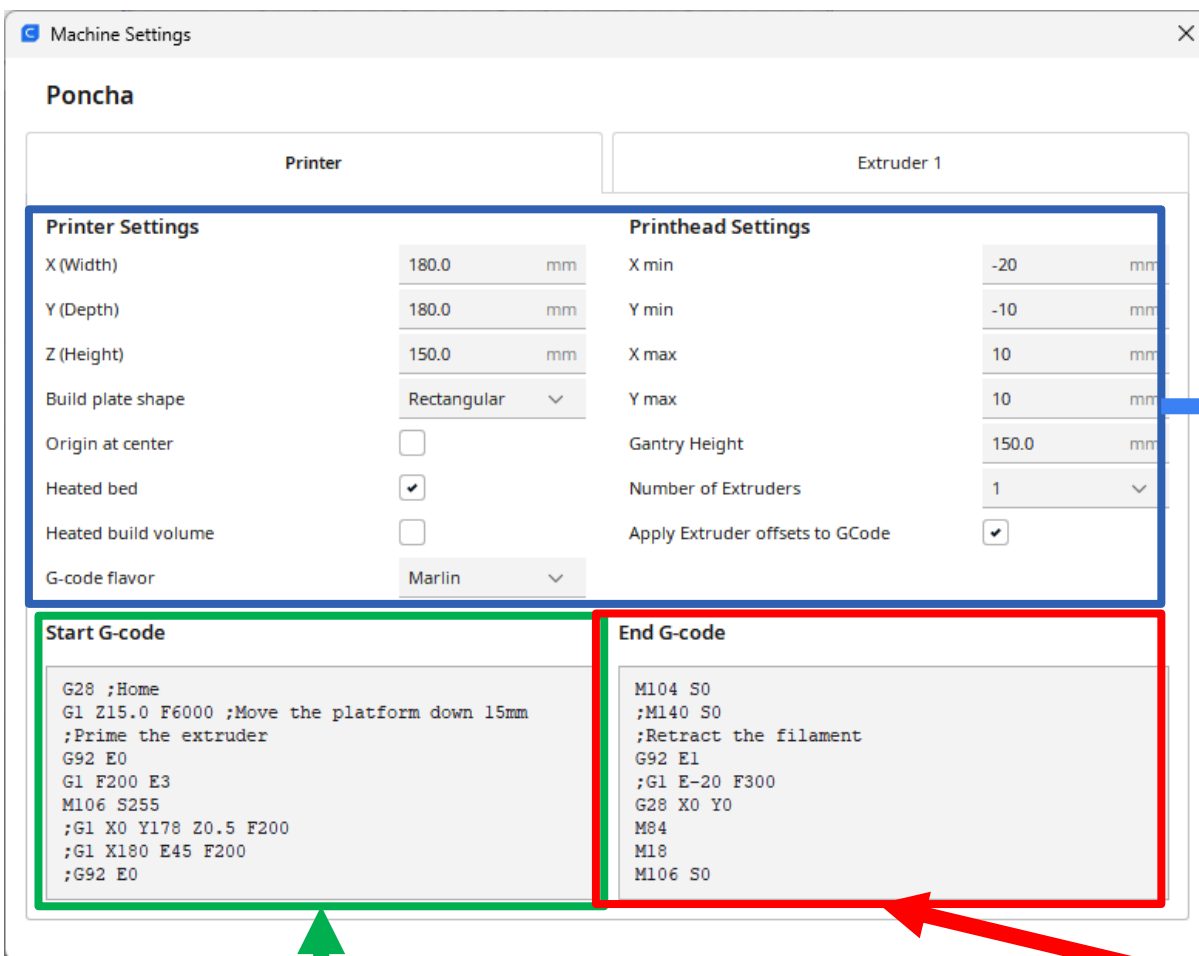
Selecionar Custom FFF → Nome: Poncha



Ir as definições da Poncha



Verificar os Settings



Machine Settings

Poncha

Printer

Printer Settings

X (Width)	180.0	mm
Y (Depth)	180.0	mm
Z (Height)	150.0	mm
Build plate shape	Rectangular	▼
Origin at center	<input type="checkbox"/>	
Heated bed	<input checked="" type="checkbox"/>	
Heated build volume	<input type="checkbox"/>	
G-code flavor	Marlin	▼

Start G-code

```
G28 ;Home
G1 Z15.0 F6000 ;Move the platform down 15mm
;Prime the extruder
G92 E0
G1 F200 E3
M106 S255
;G1 X0 Y178 Z0.5 F200
;G1 X180 E45 F200
;G92 E0
```

Extruder 1

Printhead Settings

X min	-20	mm
Y min	-10	mm
X max	10	mm
Y max	10	mm
Gantry Height	150.0	mm
Number of Extruders	1	▼
Apply Extruder offsets to GCode	<input checked="" type="checkbox"/>	

End G-code

```
M104 S0
;M140 S0
;Retract the filament
G92 E1
;G1 E-20 F300
G28 X0 Y0
M84
M18
M106 S0
```

Colocar TODAS as caixas e os valores iguais a estes

Se os valores e caixas não forem colocados igual aos da imagem a impressora não vai funcionar corretamente e pode entupir e até mesmo estragar algum dos motores. Verificar todos os valores antes de avançar de slide.

Ver ficheiro Poncha_start.txt

Ver ficheiro Poncha_end.txt

Verificar os settings do extrusor

Machine Settings

Poncha

Printer

Nozzle Settings

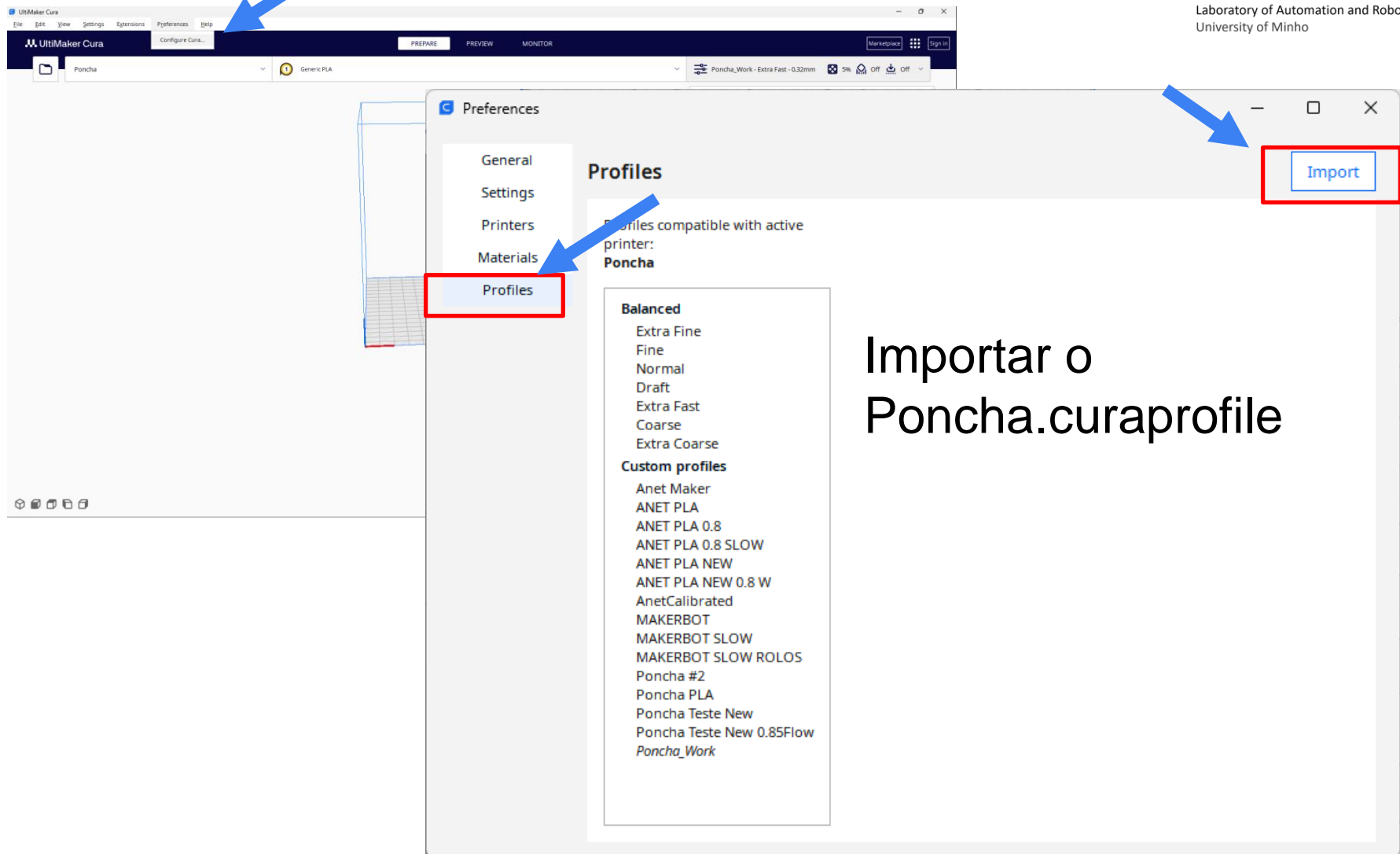
Nozzle size	0.4	mm
Compatible material diameter	1.75	mm
Nozzle offset X	0.0	mm
Nozzle offset Y	0.0	mm
Cooling Fan Number	1	

Extruder 1

Extruder Start G-code

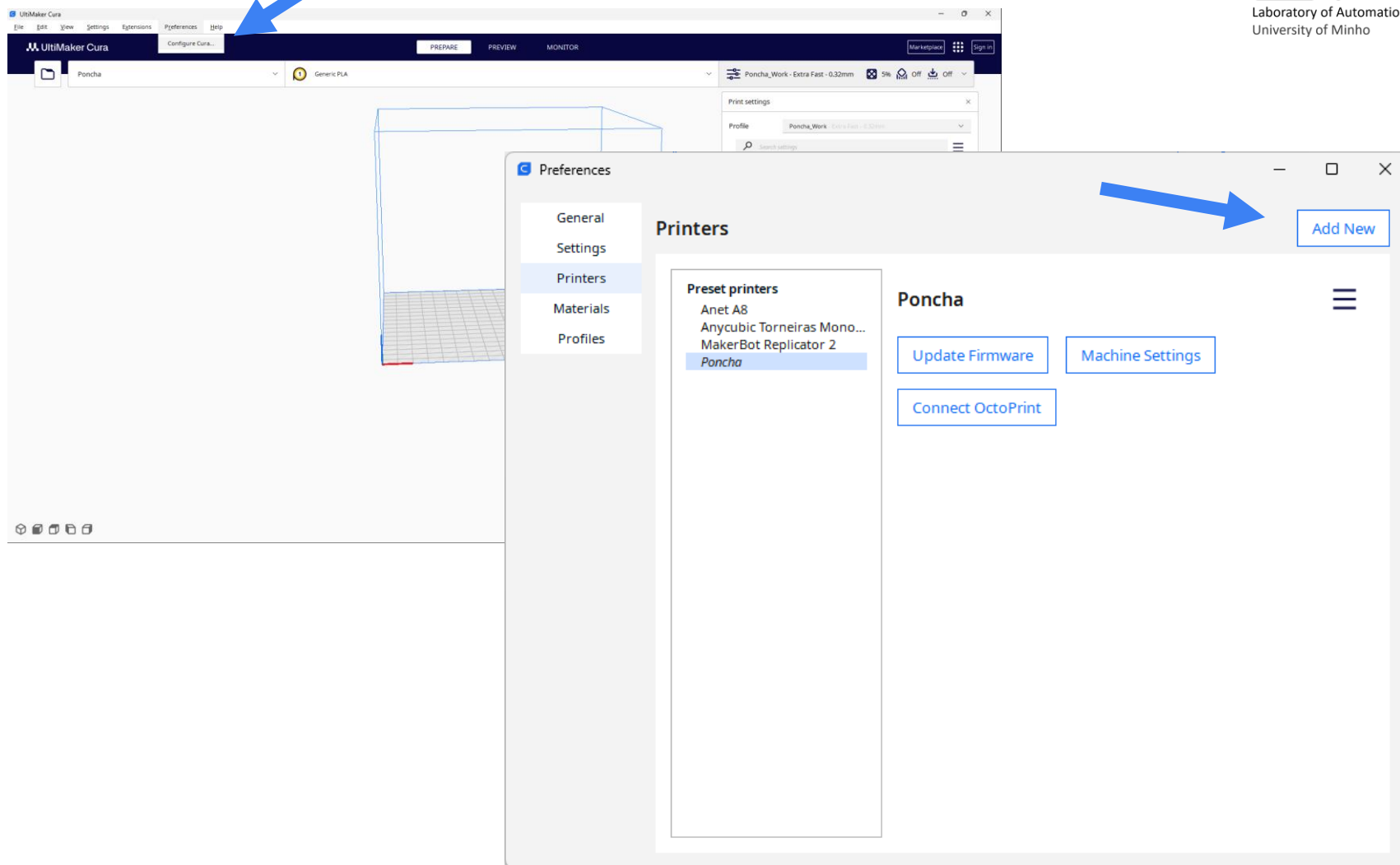
Extruder End G-code

Após a configuração anterior vão encontrar o seguinte ambiente, e ainda é necessário colocar as respetivas configurações de impressão. Voltar a ir aos settings.



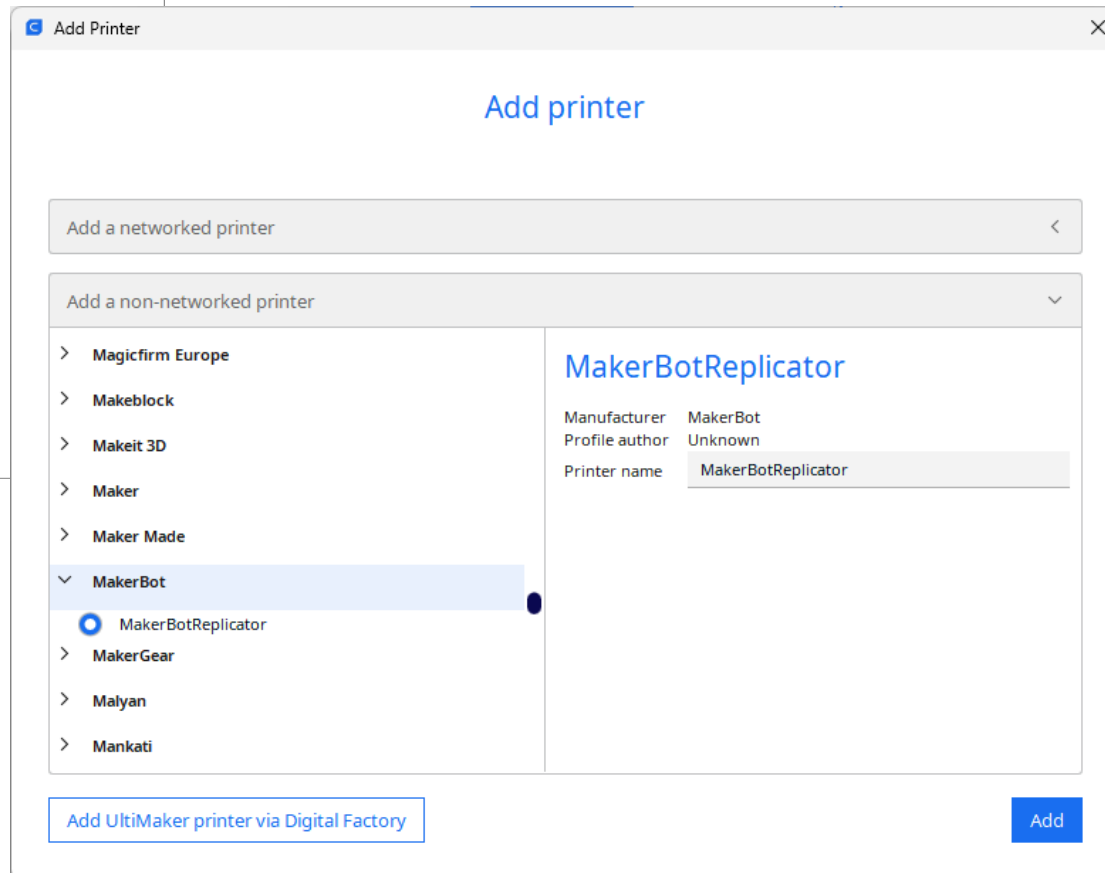
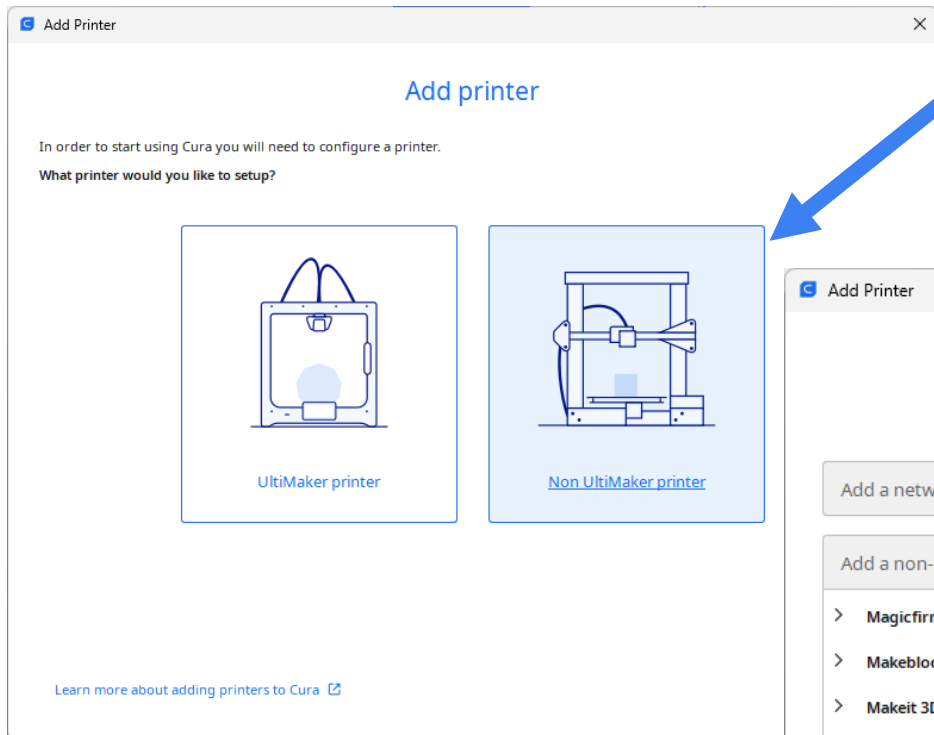
Importar o
Poncha.curaprofile

Como adicionar a impressora MakerBot Replicator 2



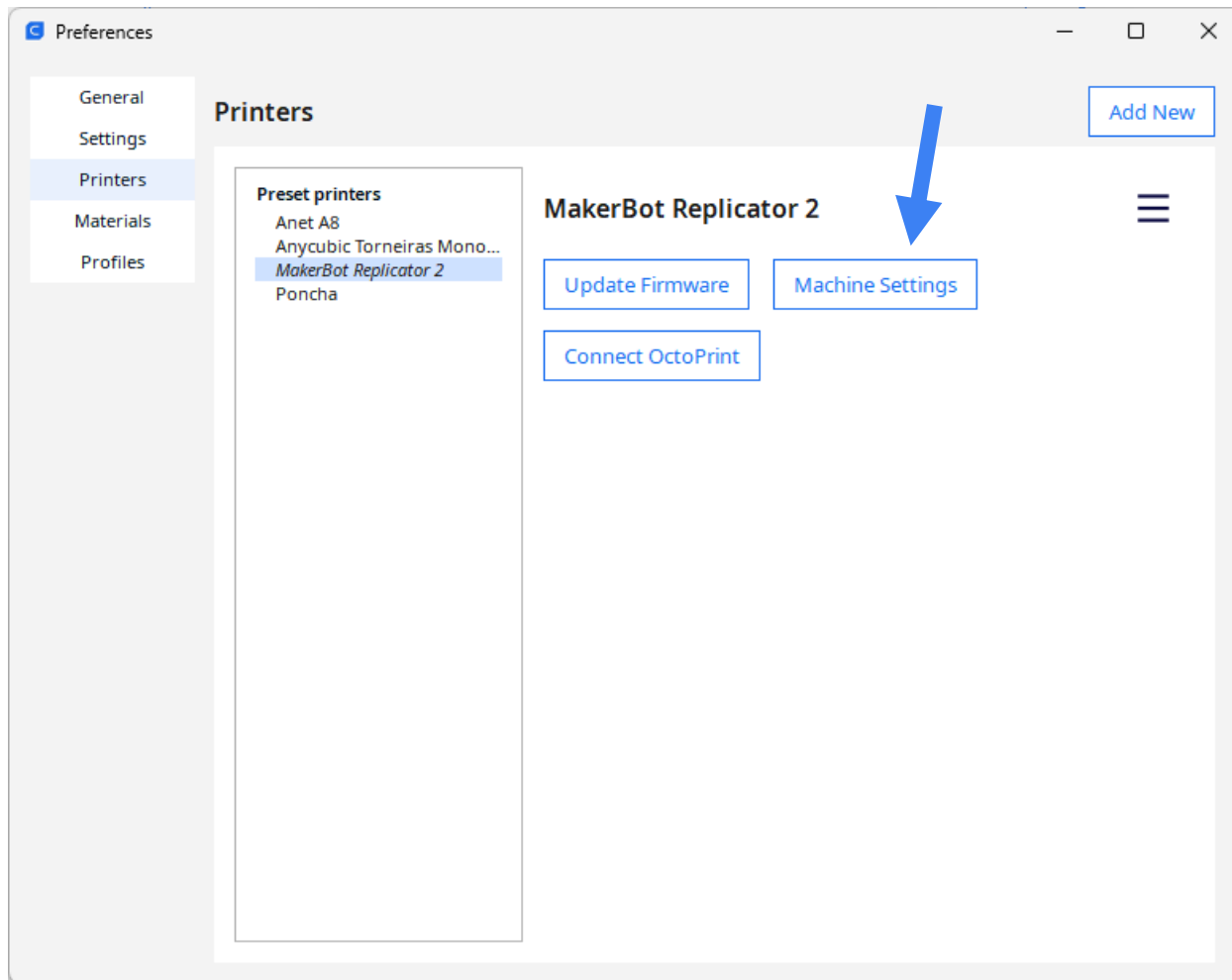
Adicionar impressora

Selecionar MakerBot Replicator



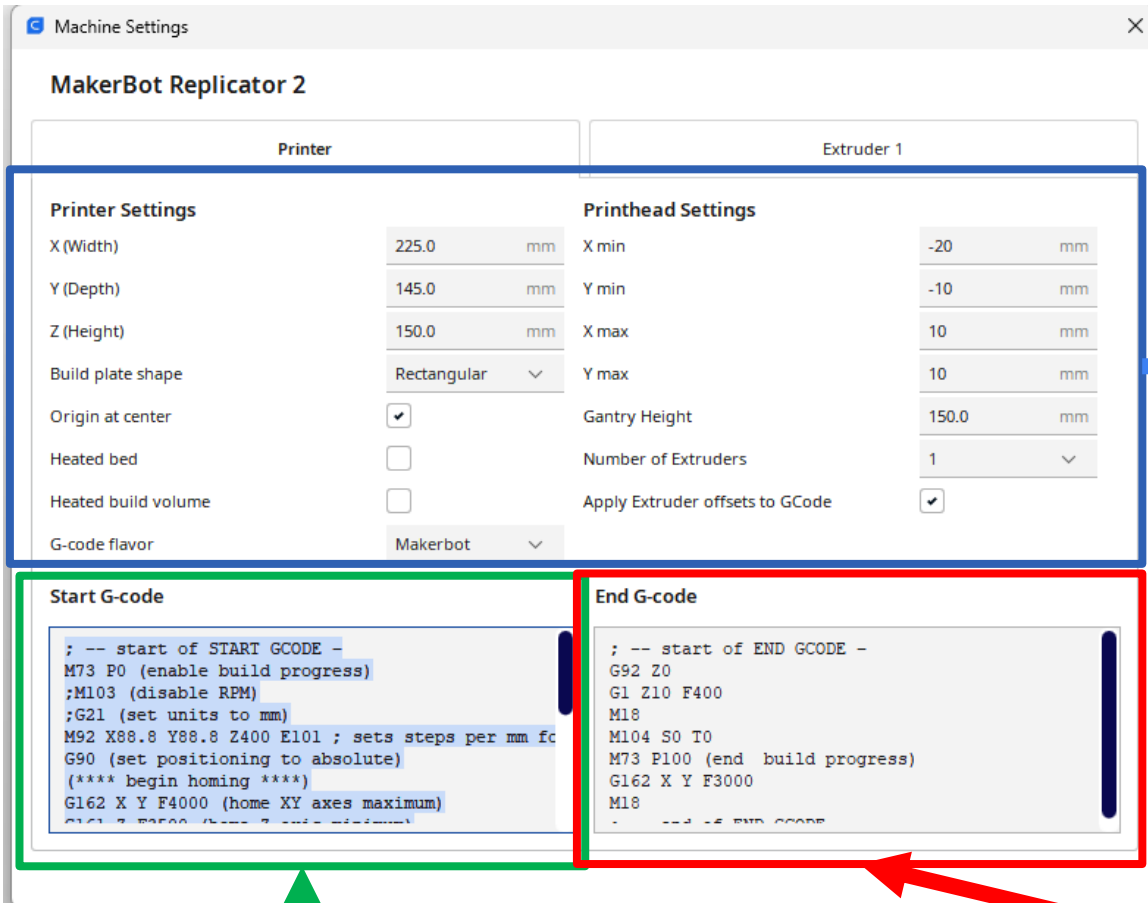
MakerBot Replicator 2

Ir as definições da máquina



MakerBot Replicator 2

Colocar os settings iguais



Printer Settings		Printhead Settings	
X (Width)	225.0 mm	X min	-20 mm
Y (Depth)	145.0 mm	Y min	-10 mm
Z (Height)	150.0 mm	X max	10 mm
Build plate shape	Rectangular	Y max	10 mm
Origin at center	<input checked="" type="checkbox"/>	Gantry Height	150.0 mm
Heated bed	<input type="checkbox"/>	Number of Extruders	1
Heated build volume	<input type="checkbox"/>	Apply Extruder offsets to GCode	<input checked="" type="checkbox"/>
G-code flavor	Makerbot		

```
-- start of START GCODE --
M73 P0 (enable build progress)
;M103 (disable RPM)
;G21 (set units to mm)
M92 X88.8 Y88.8 Z400 E101 ; sets steps per mm for
G90 (set positioning to absolute)
(**** begin homing ****)
G162 X Y F4000 (home XY axes maximum)
-- end of START GCODE --
```

```
-- start of END GCODE --
G92 Z0
G1 Z10 F400
M18
M104 S0 T0
M73 P100 (end build progress)
G162 X Y F3000
M18
-- end of END GCODE --
```

Colocar TODAS as caixas e os valores iguais a estes

Se os valores e caixas não forem colocados igual aos da imagem a impressora não vai funcionar corretamente e pode entupir e até mesmo estragar algum dos motores. Verificar todos os valores antes de avançar de slide.

Ver ficheiro Replicator_2_start.txt

Ver ficheiro Replicator_2_end.txt

MakerBot Replicator 2

Confirmar extrusor

Machine Settings

MakerBot Replicator 2

Printer

Nozzle Settings

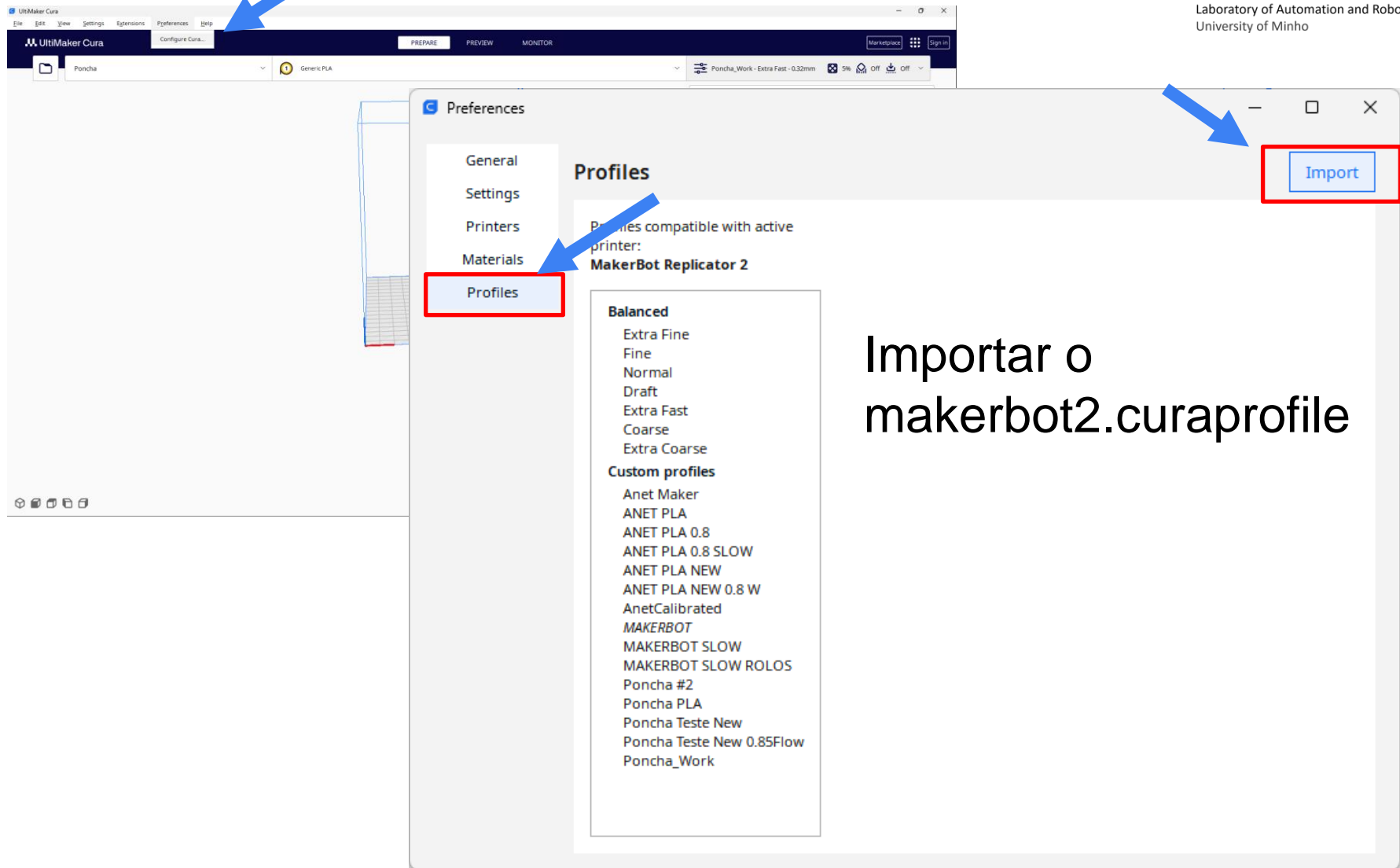
Nozzle size	0.4	mm
Compatible material diameter	1.75	mm
Nozzle offset X	0.0	mm
Nozzle offset Y	0.0	mm
Cooling Fan Number	0	

Extruder Start G-code

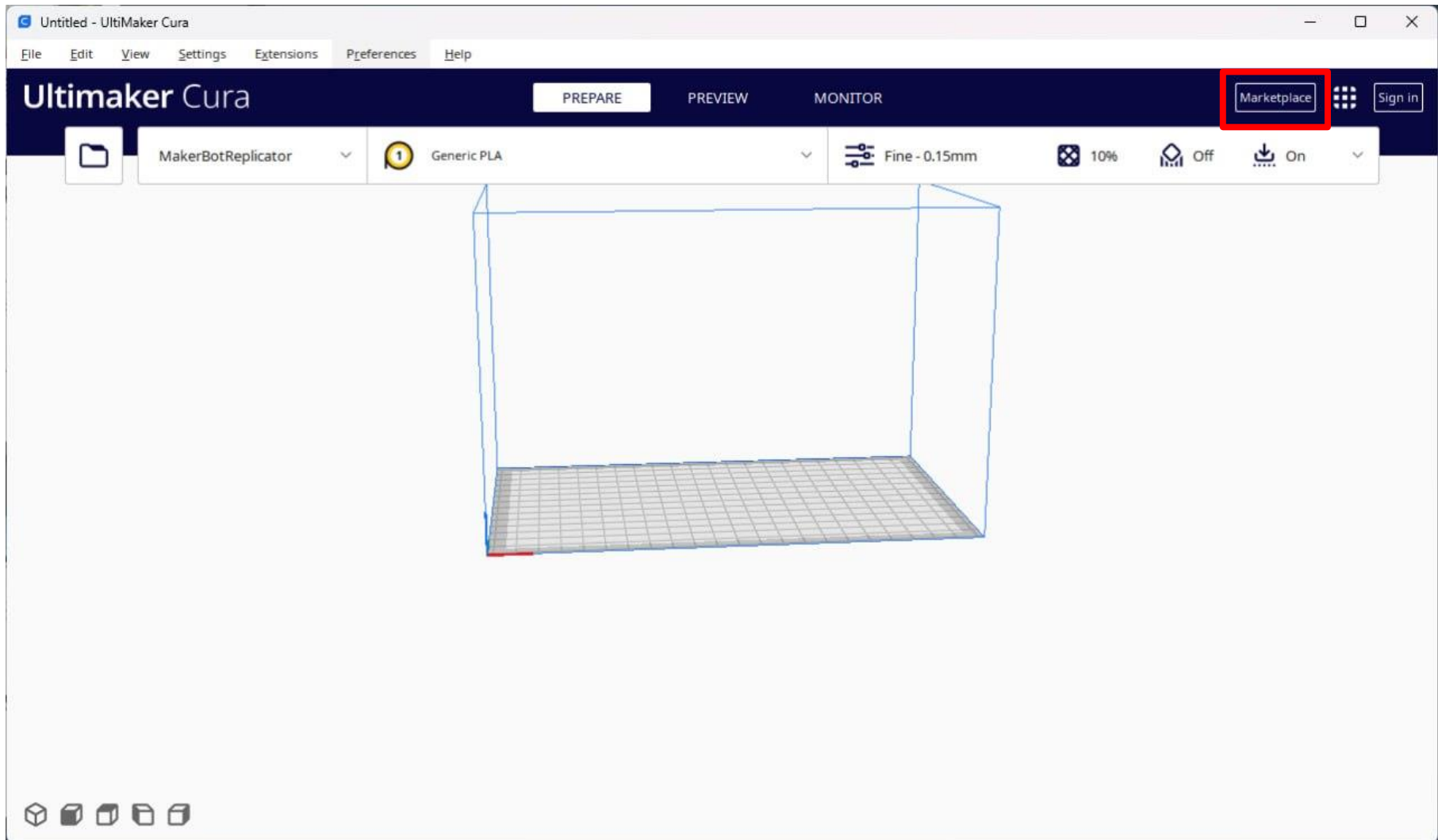
Extruder End G-code

Extruder 1

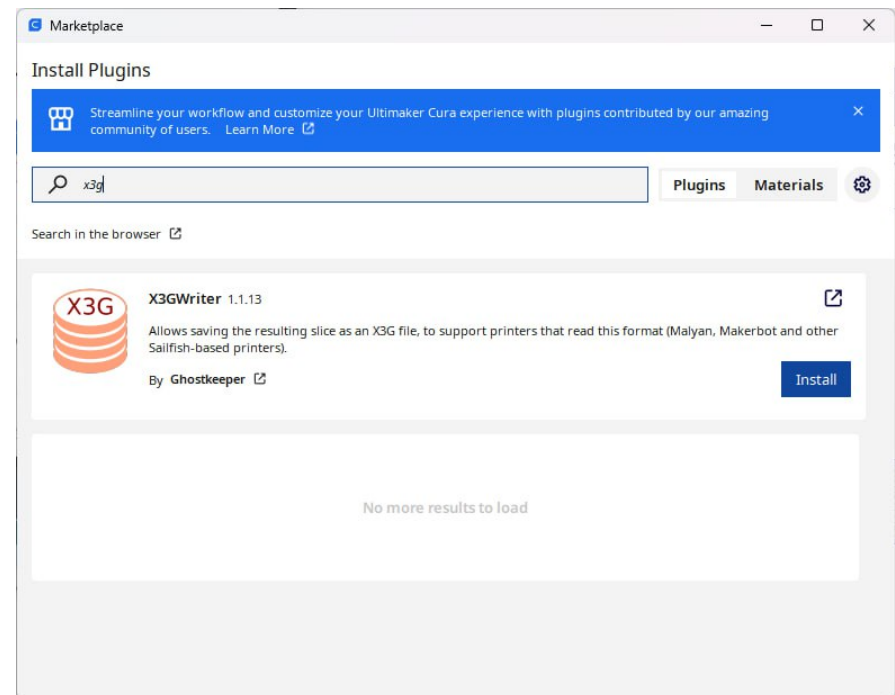
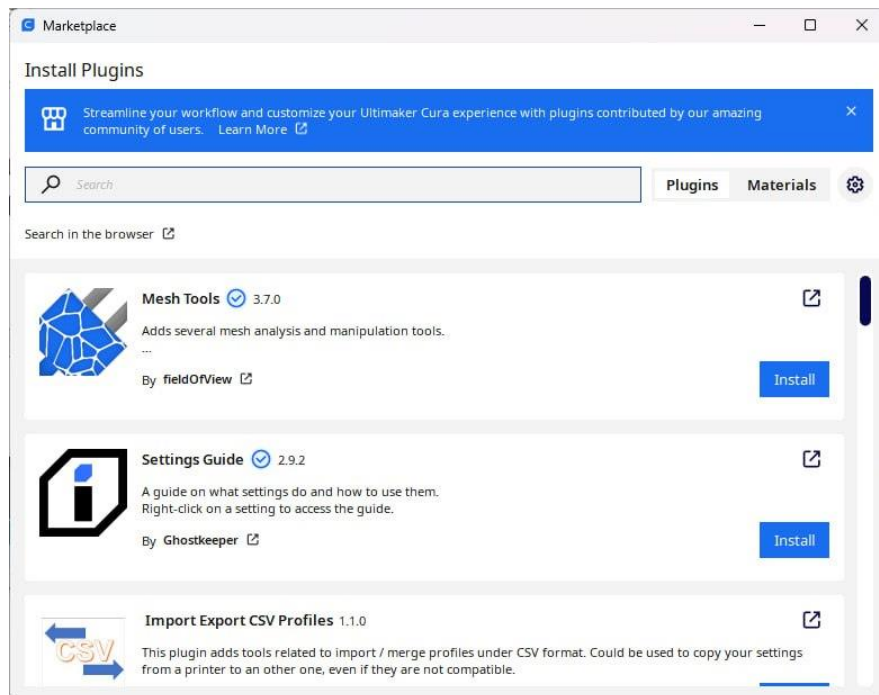
Após a configuração anterior vão encontrar o seguinte ambiente, e ainda é necessário colocar as respetivas configurações de impressão. Voltar a ir aos settings.



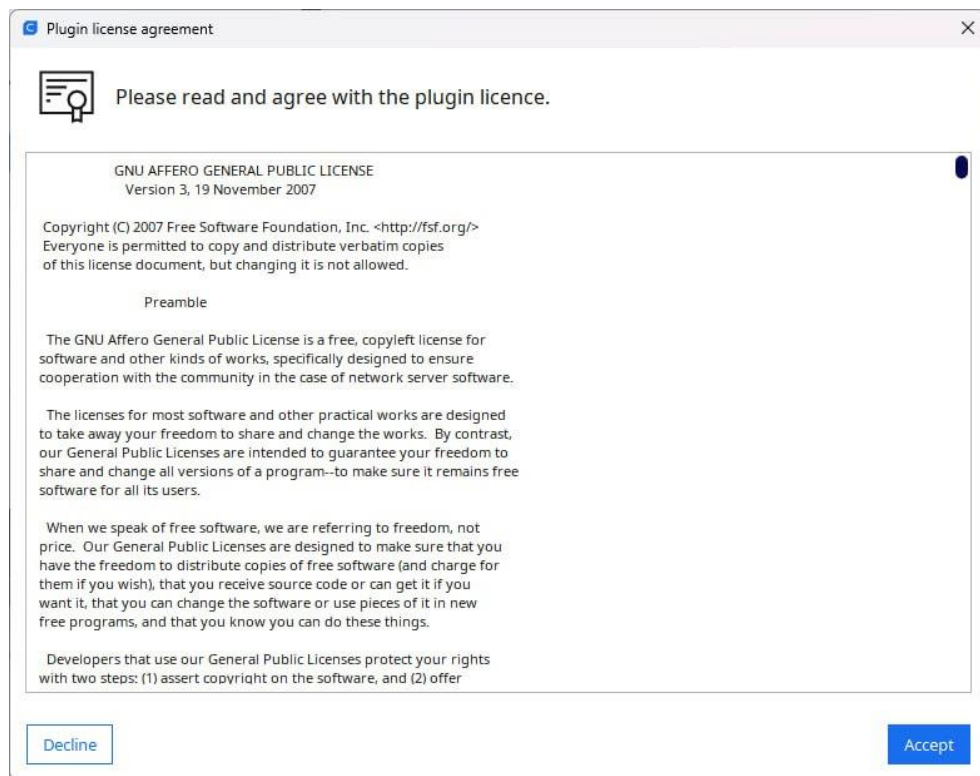
Adicionar PlugIn para o X3G



Adicionar PlugIn para o X3G



Adicionar PlugIn para o X3G



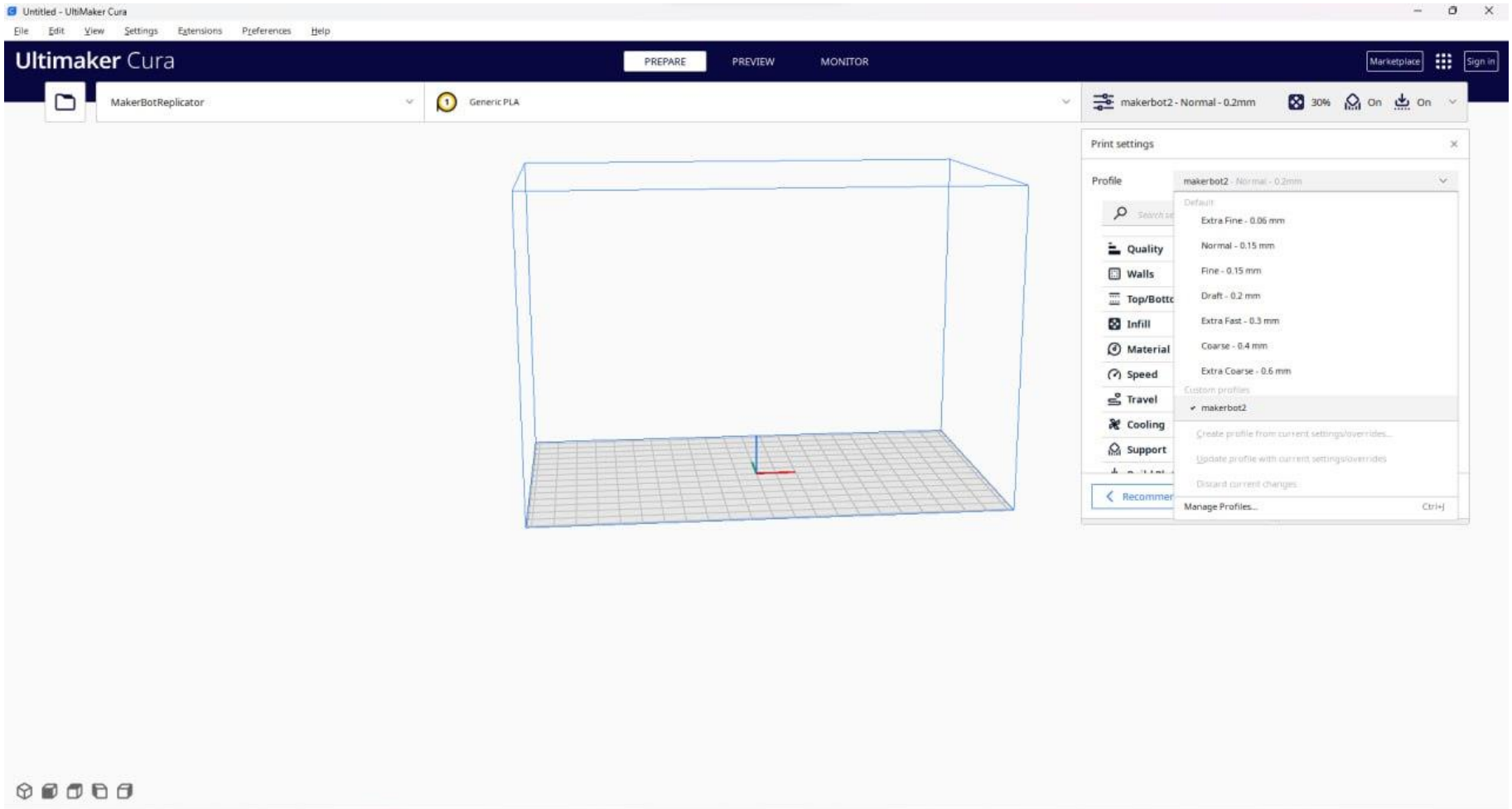
Após fazer a instalação do PlugIn é necessário reiniciar o Ultimaker Cura!



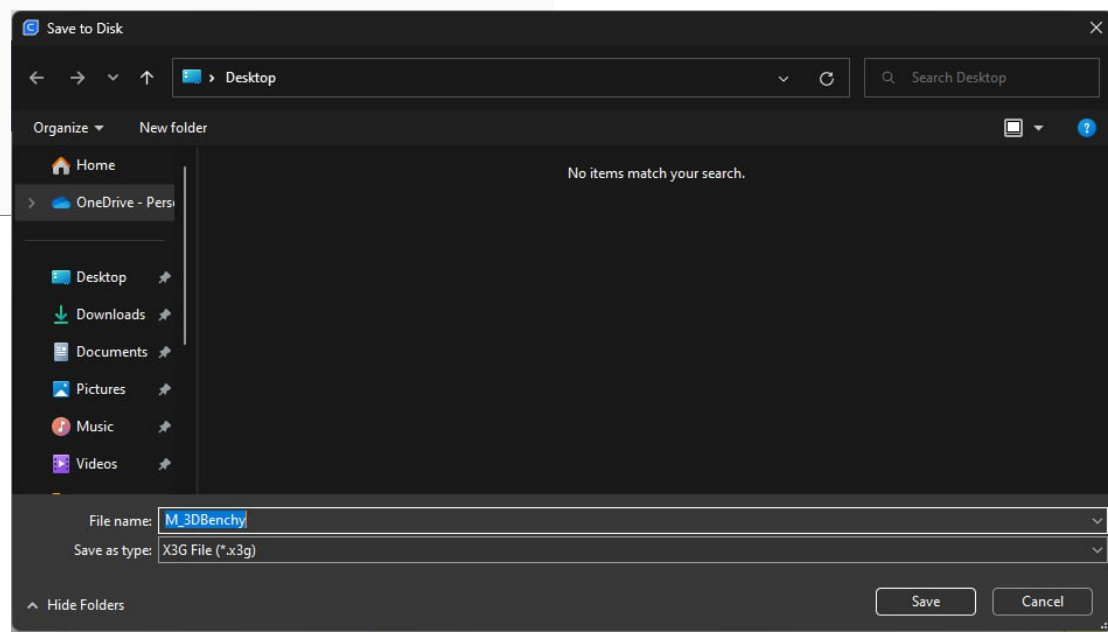
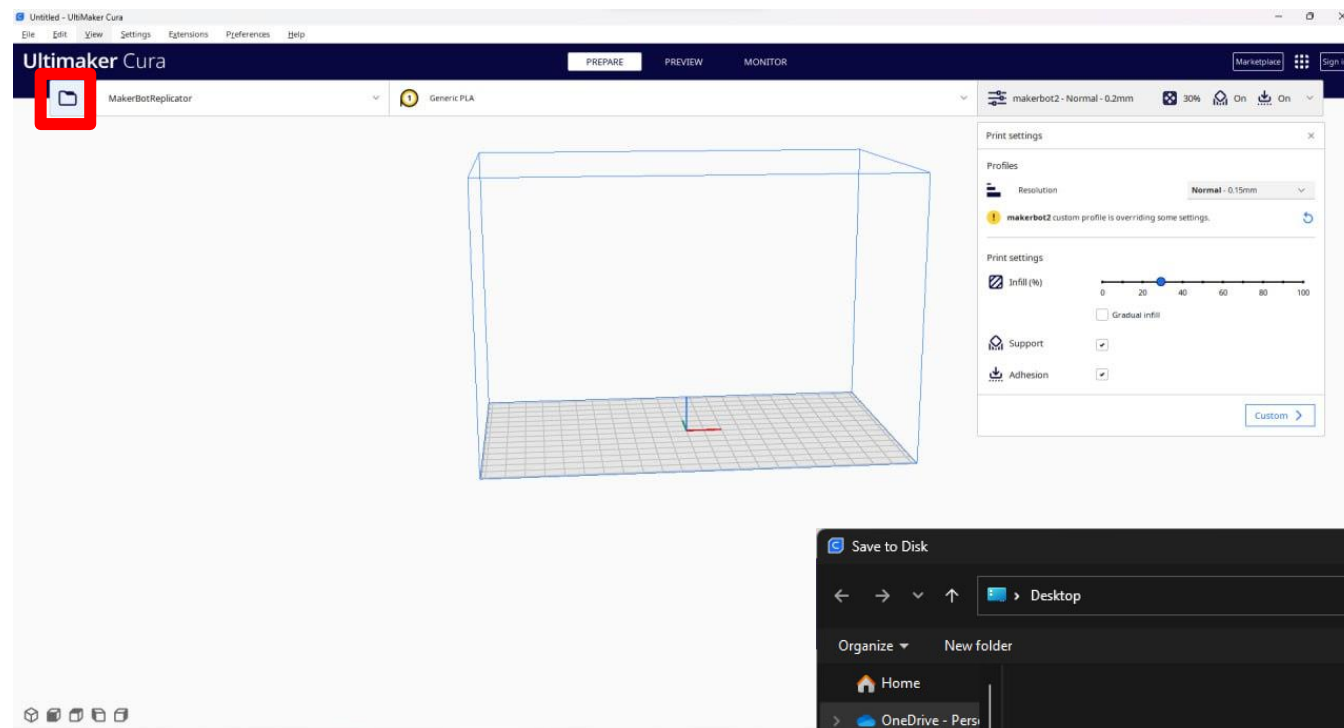
Verificar que ao gerar um ficheiro, este é escrito com o formato x3g

COMO IMPRIMIR

Selecionar a impressora e perfil correto

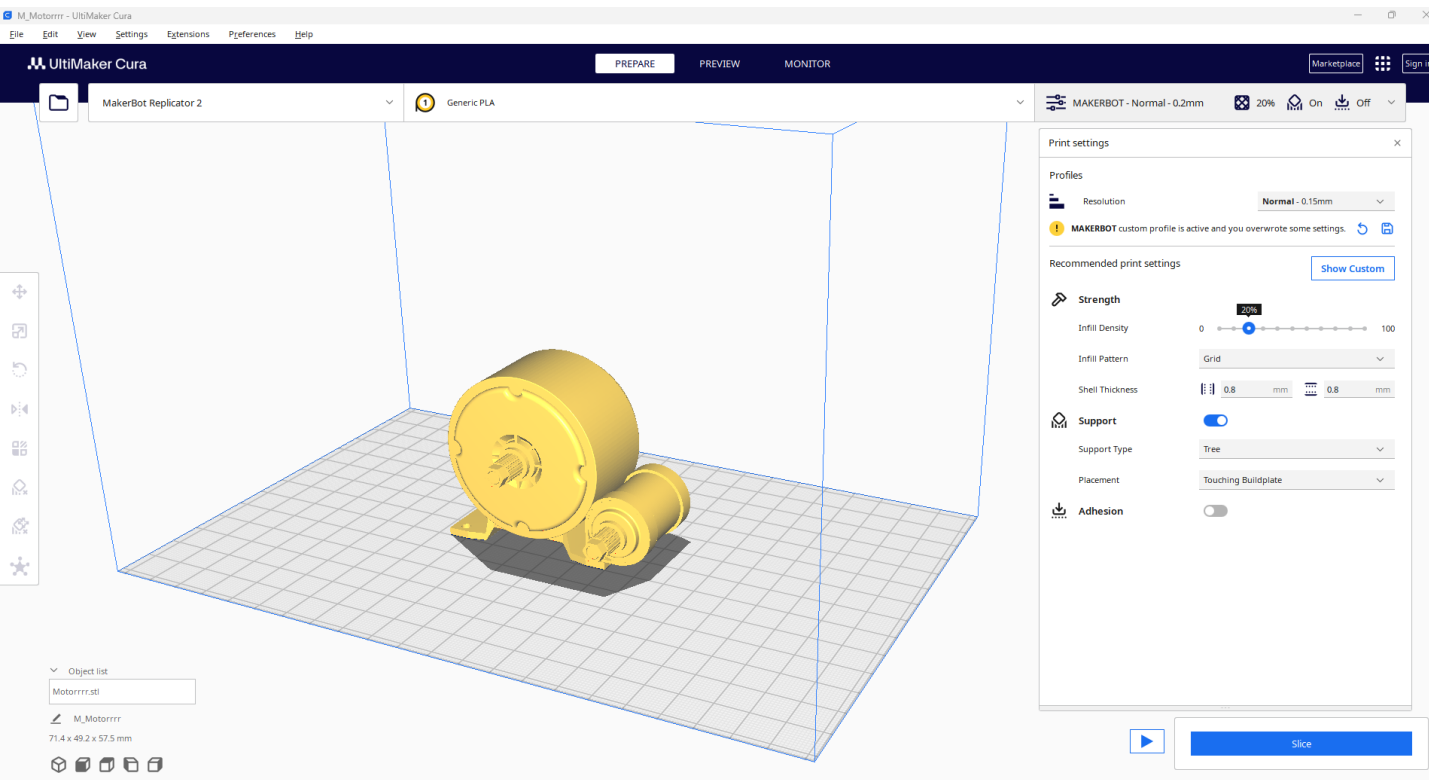


Escolher a peça a imprimir



Escolher os settings apropriados

Clicar Slice → Preview



🕒 3 hours 9 minutes

📊 54g · 18.22m

Preview

Save to Disk

No Preview da para ver exatamente o que a impressora vai fazer
Depois apenas clicar “Save To Disk”

UltiMaker Cura

PREPARE PREVIEW MONITOR

View type Layer view Colors scheme Line Type

MAKERBOT - Normal - 0.2mm 20% On Off

Print settings

Profiles

Resolution Normal - 0.15mm

MAKERBOT custom profile is active and you overwrote some settings.

Recommended print settings Show Custom

Strength

Infill Density 0 20% 100

Infill Pattern Grid

Shell Thickness 0.8 mm 0.8 mm

Support

Support Type Tree

Placement Touching Buildplate

Adhesion

Object list

Motortrrr.stl

M_Motortrrr

71.4 x 49.2 x 57.5 mm

Visualizar Movimentos

Tempo

3 hours 9 minutes

54g - 18.22m

Save to Disk

Barra das layers

Dicas de Impressão

- Garantir que a impressora tem PLA suficiente e da cor correta
- Tentar que tenha o menor número de suportes possível
- Garantir que a peça está acente na base
- Escolher o infill apropriado, nem sempre mais infill quer dizer mais robustez
- Verificar sempre o modelo no preview para garantir que vai imprimir o que é suposto
- Pré aquecer “Bed” e ”Tool” no OctoPrint