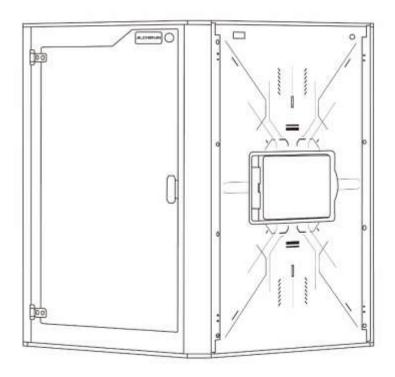


Alcheman 3D Printer User Manual



Important: Please read this manual before operating your 3D printer and keep it for future reference.

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Table of Contents

Design Overview

- 3 Front of the Alcheman 3D printer
- 4 Back of the Alcheman 3D printer
- 5 Alcheman's Photo

Unboxing

6 Take out the printer

Set up

- 8 Check the accessories before starting
- 10 Install the PTFE tube
- 11 Assemble the spool holder
- 12 Screen settings
- 13 Powering on the printer
- 14 Network connectivity

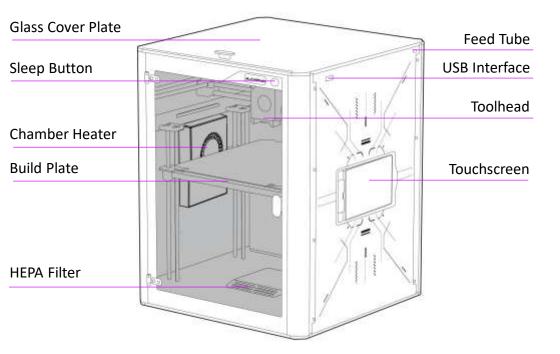
First Print

- 16 Loading the filament
- 17 Download slicing software
- 20 Printing a pre-loaded file
- 21 Specifications

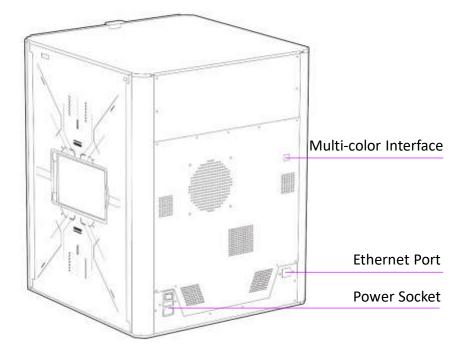
Contact Us

23 Support

Front of the Alcheman 3D printer



Back of the Alcheman 3D printer



Alcheman's photo



It is recommended to follow these steps to complete the unboxing



1. Take out protective foam from the top of the packaging and lay it flat on the desktop



2. Remove the protective foam around the printer, then take out the printer



3. Put the printer on the protective foam

It is recommended to follow these steps to complete the unboxing



4. Hang the top glass cover plate on the left side of the printer



5. Take out the protective foam and all accessories



6. Unlock the toolhead

Check the accessories before starting



Hex Keys



M5-M6 Wrench



0.4mm/0.6mm Nozzle x1



Flexible PEI Plate



Glue



8GB USB Stick

Check the accessories before starting



Filter Element



Brush for cleaning nozzle



Plier



2.5mm Screws x5



PLA 1.75mm 1KG x1



Scraper x3



Hotend

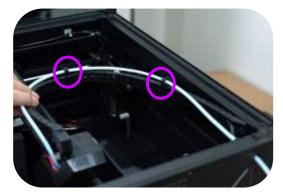
Install the PTFE tube



1. Take out PTFE tube



2. Insert PTFE tube into the feeder



3. Connect the PTFE tube and tank chain using 2 fixing clips

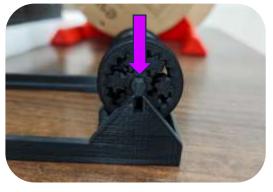
Assemble the spool holder



1. Take out spool holder



2. Please assemble the accessories following the steps below

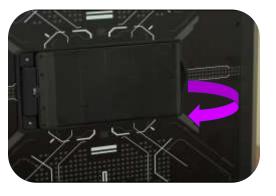


3. Insert the gear ends into the grooves



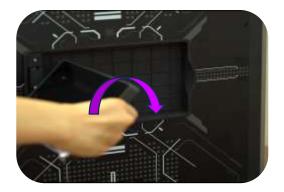
4. Complete assembly

Screen Settings: The screen is located on the right side of the printer





- 1. Lift the screen from the notch
- 2. Screen folds to 90 degrees



 The screen can be rotated 0 to 180 degrees clockwise for optimal operating position

Plug in the power cable and press the power button to start





To connect to the network, you can use one of the following methods

1. Wired Connection: Plug in a network cable.



2. Wireless Connection: Connect to the Wi-Fi network.

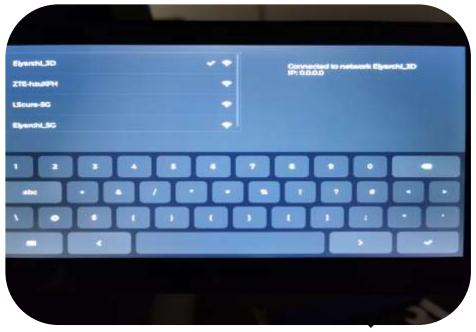


Go to the Setting page, and tap the "WiFi" tab



Choose your Wi-Fi network, enter the password, and tap

2. Wireless Connection: Connect to the Wi-Fi network.



You are now connected to the network

Network connectivity issues:

First, check the printer's network settings for proper configuration. If it's difficult to move the router or the printer, you can create a Wi-Fi hotspot using your mobile phone and connect the printer to it. If the network connection doesn't work, use the USB flash drive we provide to transfer the sliced files directly to the printer.

Insert filament



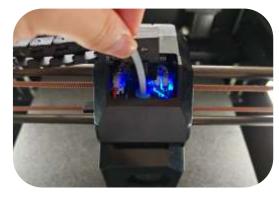
1. Place filament on spool holder



2. Insert filament into the feeder



3. Until it passes through the PTFE tube and reaches the other end to ensure smooth delivery



4. Insert the other end of the tube gently into the extruder

Download slicing software

Our slicing software is still a work in progress, so we suggest you use Orca Slicer for your 3D prints. Orca has great features and is super stable, so you'll get the best print results. Thanks for your patience!

https://orcaslicer.net/#download-orca-slicer

1. Completing the slice installation

2. Plug the USB flash drive you received into your computer and instantly get the perfect print parameters. These configuration parameters are derived from thousands of hours of testing by our experts and users across various vertical fields, masterfully handling a wide range of materials.



3. Click 【Import】 - 【Import Configs】

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Export	>	Import Configs		
Quit				

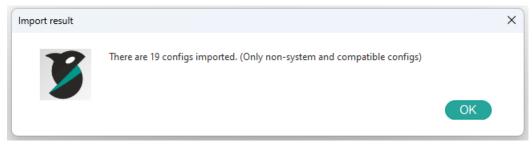
Recently opened

Download Slicing Software

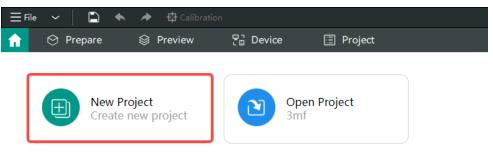
4. Import the following configs into the slice

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5. Complete the import



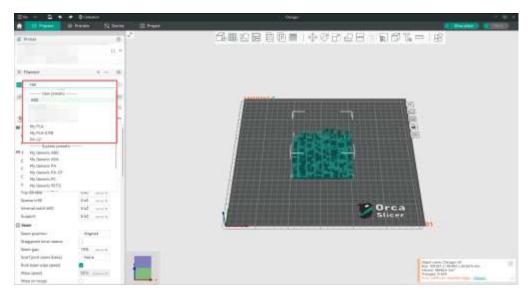
6. Click New Project



7. Click 🗇 Fill in your Hostname, IP or URL

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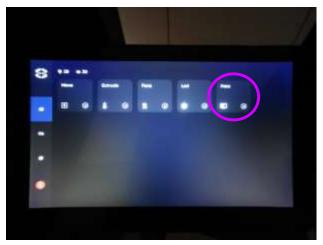
8. Please import the file, and then select the corresponding configuration according to the print filaments



9. Finish slicing and start printing

Printing a pre-loaded file

1. Touch the print icon



2. Touch the print button to start the print



Specifications



Warning

Please be advised that when printing PEEK, it is essential to replace the special high-temperature hotend included in the package. This will guarantee optimal print quality and ensure the safety of the printing equipment.

Components	Туре	Parameter
	Build Volume	300 x 300 x 300 mm
Body	Chassis	Steel
	Shell	Aviation Aluminum Alloy
	Hot End	Ceramic
	Extruder Gears	Metal & Nylon
Tool Head	Nozzle	Brass
	Max Hot End Temperature	450°C
	Nozzle Diameter (Included)	0.4mm
Hot Bed	Build Plate	Flexible Steel Plate
Supported Filament	-	 Industrial Grade: PEEK、 PPS、PEI, etc. Engineering Grade: PC、 PA、ABS, etc. General Purpose: PLA、 PLA+、PETG、TPU, etc.
	Max Speed of Tool Head	500 mm/s
Speed	Max Acceleration of Tool Head	20000 mm/s²
Covity Tomporature Control	Active Chamber Temperature Control	\checkmark
Cavity Temperature Control	Maximum Controllable Chamber Temperature	90°C
Air Purification	Particulate Matter Filtration	✓

Specifications

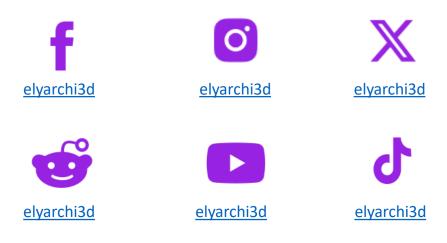
Components	Туре	Parameter
	Temperature Sensor	✓
C	Acceleration Sensor	✓
Sensors	Electromagnetic Sensor	✓
	Pressure Sensor	✓
	Part Cooling Fan	✓
	Hotend Fan	✓
	Control Board Fan	✓
Cooling	Internal Circulation Fans	\checkmark
	Chamber Temperature Regulator Fan	\checkmark
	Air Filter	HEPA
	Voltage	18V
Power Requirements	Maximum Power	350W
	Display	7 Inches
Electronic Component	Storage	16GB
\ м /: Г:	Frequency Range	2.4G/5G
Wi-Fi	Protocol	IEEE 802.11 b/g/n
Eth ann at	Interface	RJ45
Ethernet	Speed	Gigabit
	Dimensions	450 x 450 x 562 mm
Physical Dimensions	Net Weight	29KG

Contact Us Support

You can learn about Elyarchi products and services on the following websites: <u>www.elyarchi.com</u>

- Alcheman Support: https://elyarchi.com/alcheman-support/
- Pre-Sales and After-Sales: <u>info@elyarchi.com</u>
- Tech Support: <u>support@elyarchi.com</u>

Get Help and Updates via Social Media





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Visit our official website to download the electronic version of the user manual and easily access detailed product information and operation guides.

https://www.elyarchi.com/manual/