MALYAN® 3D

— Realizing your possibility —

M200 ULTRA

HIGH SPEED 3D PRINTER

USER'S MANUAL

CONTENTS

SAFETY WARNINGS AND GUIDELINES

- This device is intended for indoor use only. Do not install this device on an unstable surface where it could fall and cause either personal injury or damage to the device. Besides, it will affect
printing result.
- Do not force or tear anything during unpacking and setup. This may cause damage to the printer and/or its accessories.
- Prior to operation, check the unit and power cord for physical damage. Do not use if physical damage has occurred, ensure that the outlet provides the same type and level of power required by the device.
- Do not remove or disconnect the USB cable when printing from a computer.
- Take care to avoid touching hot parts, including heat blocks, extruder nozzle, extruded filament, and the heated build plate.
- Do not reach inside the printer during operation. Always allow the printer and extruded filament to cool before reaching inside.
- Do not subject the product to extreme force, shock, or fluctuations in temperature or humidity. If moisture does get in or on the device, immediately unplug it from the power outlet and allow it to fully dry before reapplying power.
- Take care to prevent damage to the power cord. Do not allow it to become crimped, pinched, walked on, or become tangled with other cords. Ensure that the power cord does not present a tripping hazard.
- Unplug this device from the power source when not in use. Never unplug the unit by pulling on the power cord. Always grasp the connector head or adapter body.
- Ensure that the printer is turned off and unplugged from its power source before making repairs or performing service.

SPECIFICATIONS

Technical Specification

Model: M200 ULTRA	**Nozzle Diameter:** 0.4mm
Build Volume: 180*180*180MM	**Build Plate:** Quick-disassembly Magnetic Board.
Power Supply: 110V/220V	**Shell:** open frame
Compatible Slicing Software: Cura/OrcaSlicer	**Supported File Types:** .OBJ/.STL/.3MF
Filament: PLA/PETG/ABS	**Printing Speed:** Max Travel Speed: 600mm/s
Device Size: 310*370*370MM	**Acceleration:** 20000mm/s²
Connection Method: WLAN/USB Storage	**Auto Leveling:** yes
Automatic Filament Detection: yes	**High-Definition Camera:** yes
Nozzle Wiper: yes	**Programmable LED :** yes
Resonance Compensation: yes	

INTRODUCTION

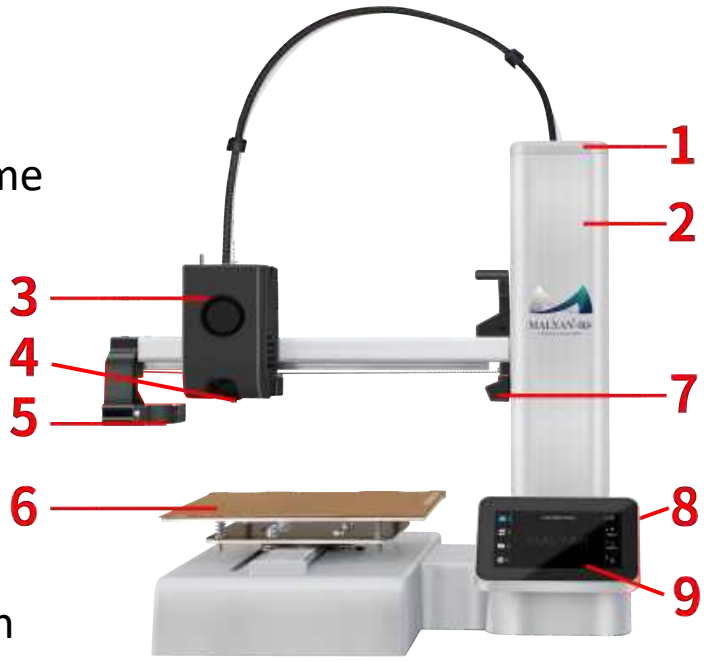
Thank you for purchasing this 3D printer from Malyan! This printer features HIGH SPEED printing, which is capable of printing in PLA , PETG, and other materials. You can print from a Windows® or Mac® PC using a network connection or can print from 3D model files stored on USB storage, without the need for a PC connection of any kind. This printer is use out of box and easy to use following the instructions in this manual.

FEATURES

- High speed printing, up to 600mm/s
- Resonance Compensation
- Auto Leveling
- Nozzle Wiper
- Programmable LED
- Automatic Filament Detection
- High-Definition Camera
- Open frame design for ease of use and maintenance

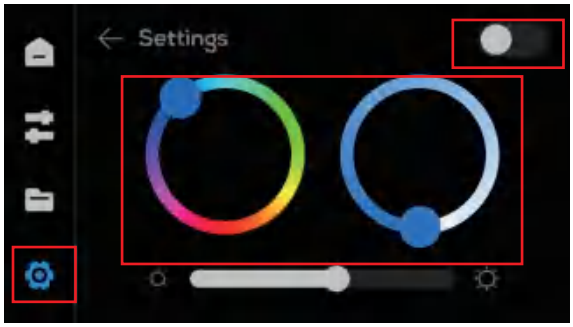
PRODUCT OVERVIEW

1. Programmable LED
2. All Aluminum Craftwork Frame
3. Extruder
4. Exhaust box
5. Nozzle Wiper
6. Auto-Leveling Supported
7. High-Definition Camera
8. WLAN & USB Storage
9. OLED Capacitive Touchscreen



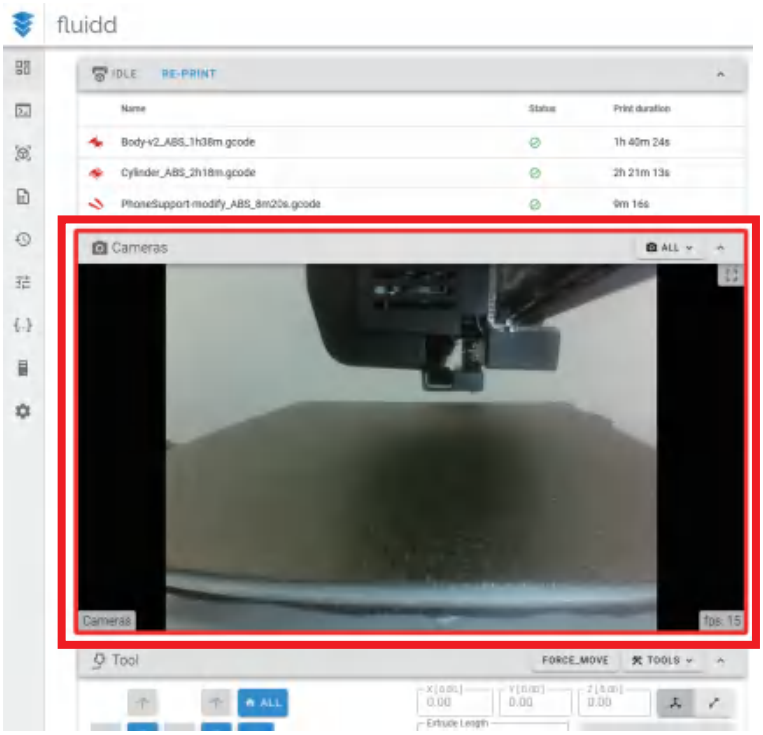
NOZZLE WIPER & PROGRAMMABLE LED

When starting to print or switching the printing material, the residual material in the nozzle is automatically wiped clean.



Click "Settings", then click "Lamplight" to turn on the lighting and adjust the color of the lamp.

HIGH-DEFINITION CAMERA



Enter the website address in the computer browser, and you can check the printing status through the camera.

DISPLAY SCREEN MENU

1: Home

2: Operation functions

3: File management

4: Settings

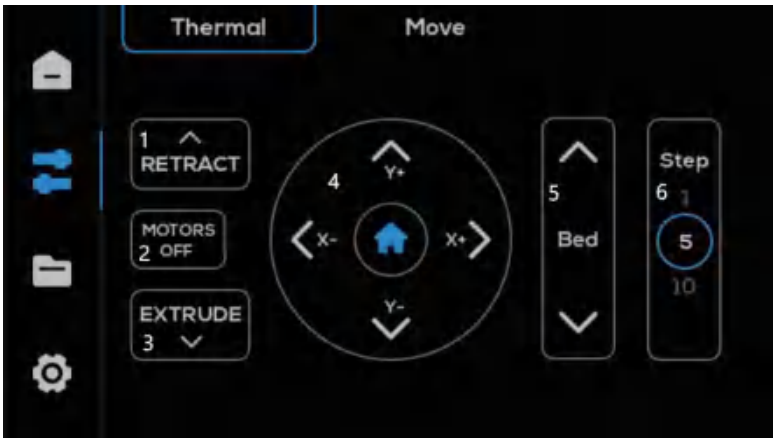
5: IP display (displayed when Wi-Fi connection is successful)

6: Extruder head temperature

7: Heated bed temperature

8: Lighting

DISPLAY SCREEN MENU



1: Retraction

2: Motor switch

3: Extrusion

4: Movement and return to origin function

5: Heated bed height setting

6: Height movement distance setting

1: Extruder head temperature settings

2: Heated bed temperature settings

3: Speed settings

4: Partial fan settings

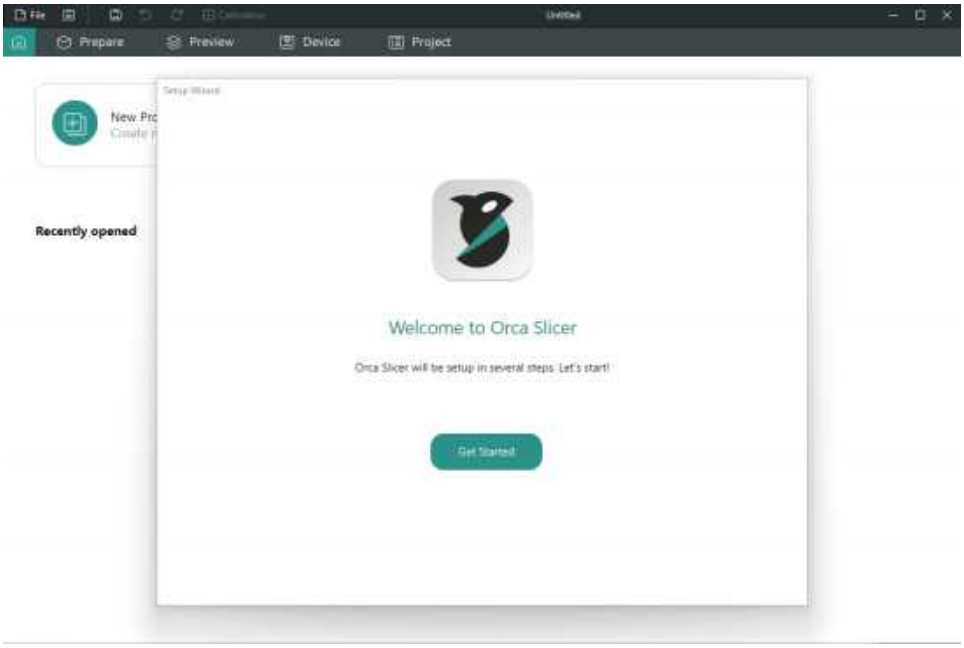
5: Exhaust fan settings

6: Material feeding

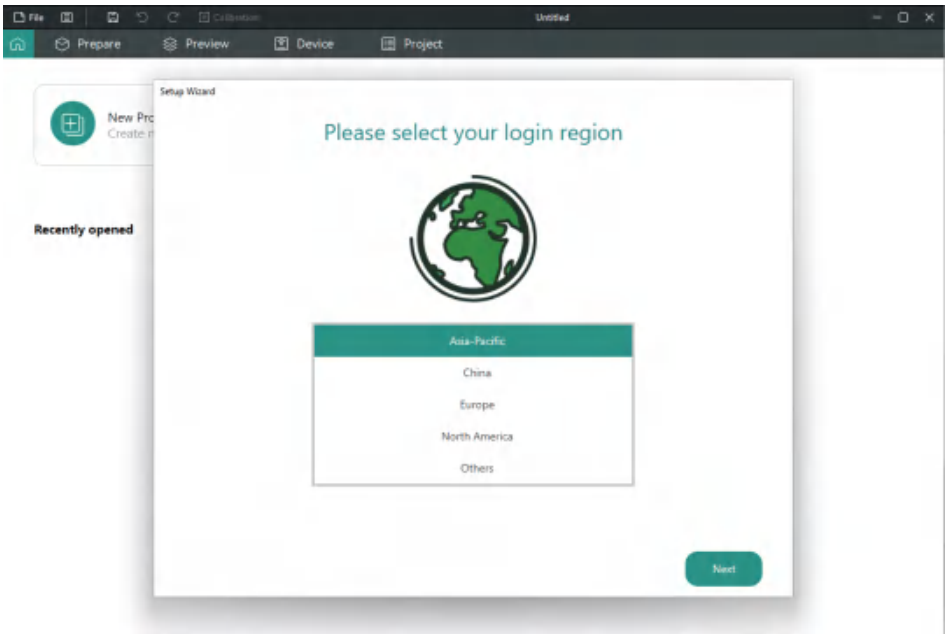
7: Material retraction

SOFTWARE INSTALLATION

1.Configuration Wizard

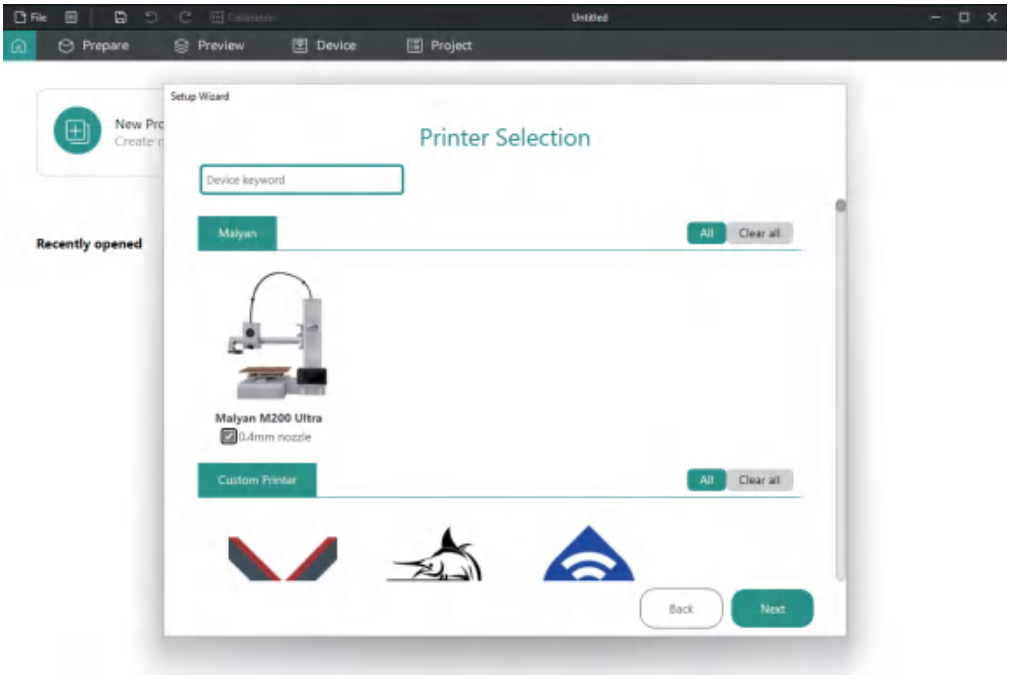


Click the button to continue.

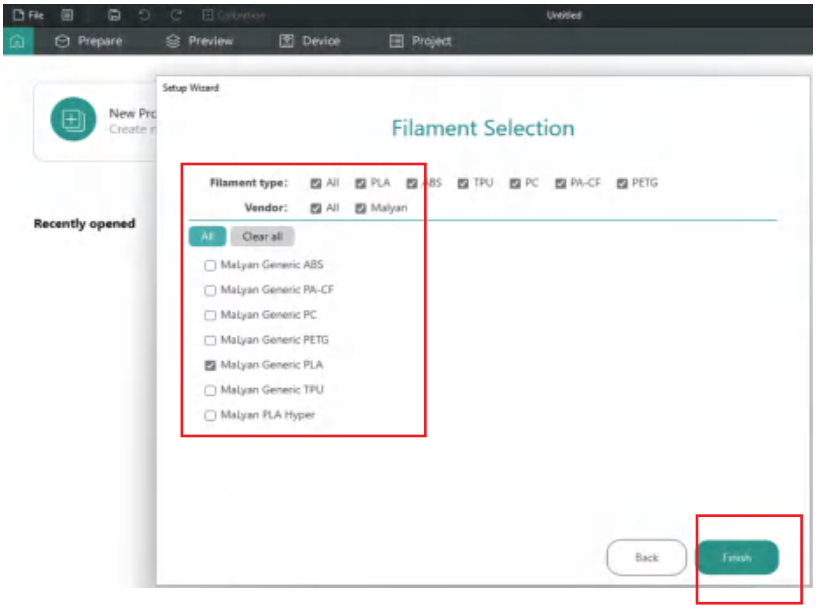


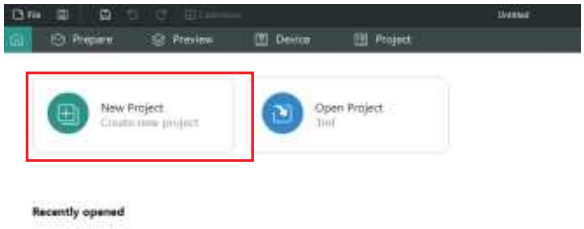
Select the corresponding region and click continue.

SOFTWARE INSTALLATION



Enter "Maylan" in the search bar select Malyan M200 ULTRA.





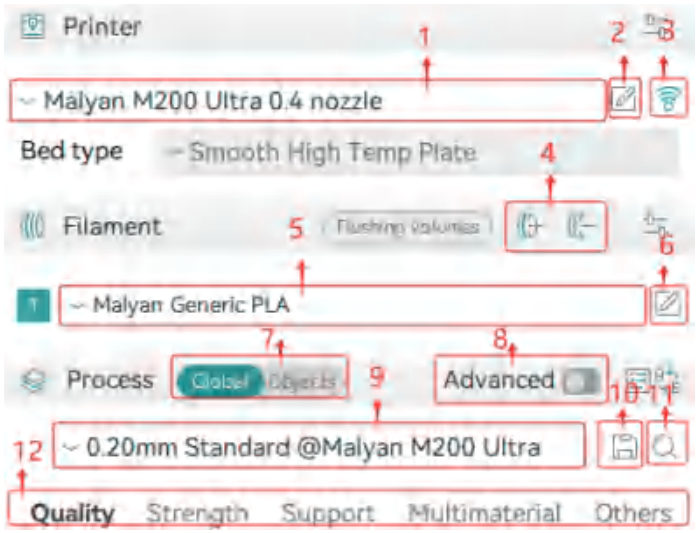
Choose the required materials and click【Finish】to complete the configuration.
Then click【New Project】to get started.

SOFTWARE INSTALLATION

2.Introduction of Menu Bar in the Software

2.1: Home: Return to the homepage
2.2: Prepare: Configure slicing parameters
2.3: Preview: Preview the sliced graphic
2.4: Device: View the status of connected devices
2.5: Project: Customize project information
2.6: Single Disc Slice: Complete graphic slicing
2.7: Export G-code File: Export the file.

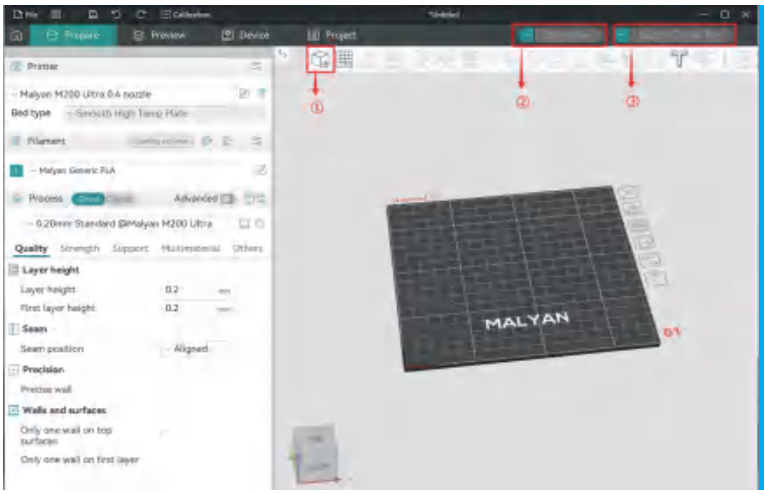
3.Introduction of Parameters Bar in the Software



3.1：Create, select, and delete printers
3.2：Configure printer parameters (G-code and fan configuration)
3.3：Software connection to the printer
3.4：Add or remove material management
3.5：Add, select, and delete material types

3.6：Configure material parameters (nozzle temperature and heated bed temperature)
3.7：Global and object configuration
3.8：Whether to enter advanced parameter configuration
3.9：Select material size
3.10：Save current process
3.11：Search saved process
3.12：Printer parameters (support and object configuration)

PRINT FROM USB STORAGE BY USING SOFTWARE

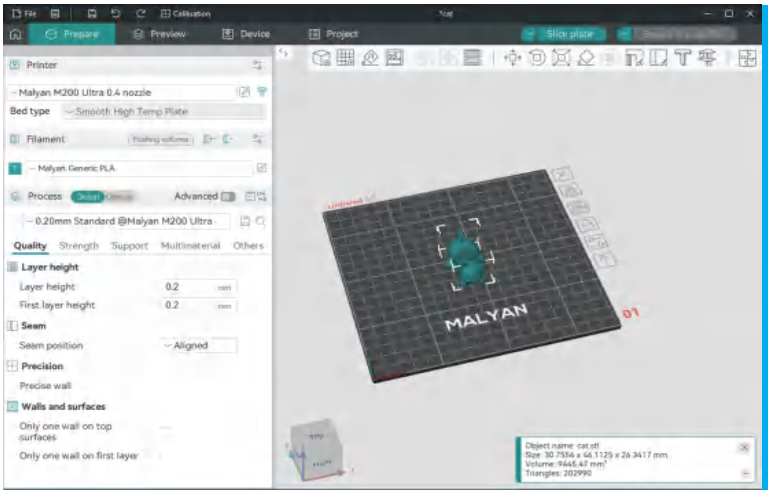


①:File Addition

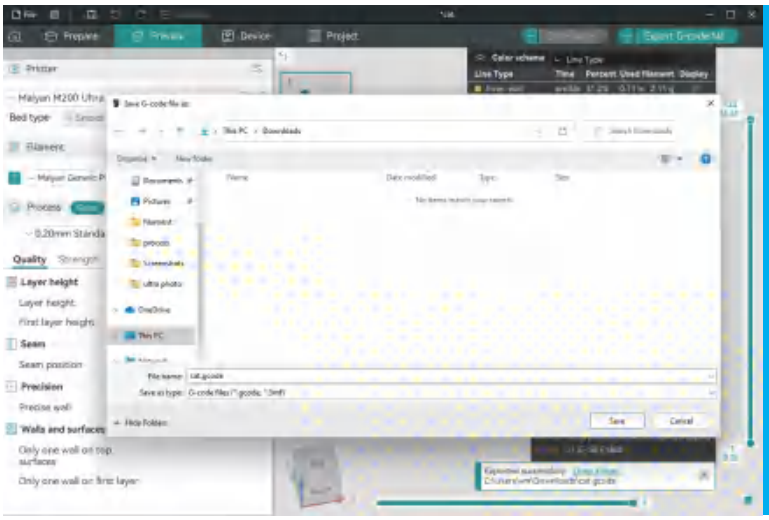
②:Slicing

③:Export G-code

First, click the button for **File Addition** (①) to import STL or 3MF format files.



After successful import, click the button**Slicing** (②) to complete the slicing process.



Once slicing is complete, click the button **Export G-code** (③) (the name can be modified as needed)..

Transfer the G-code file to a USB drive and insert it to the machine.

PRINT FROM NETWORK CONNECTION

To connect to the network, you need to obtain the machine's IP address.

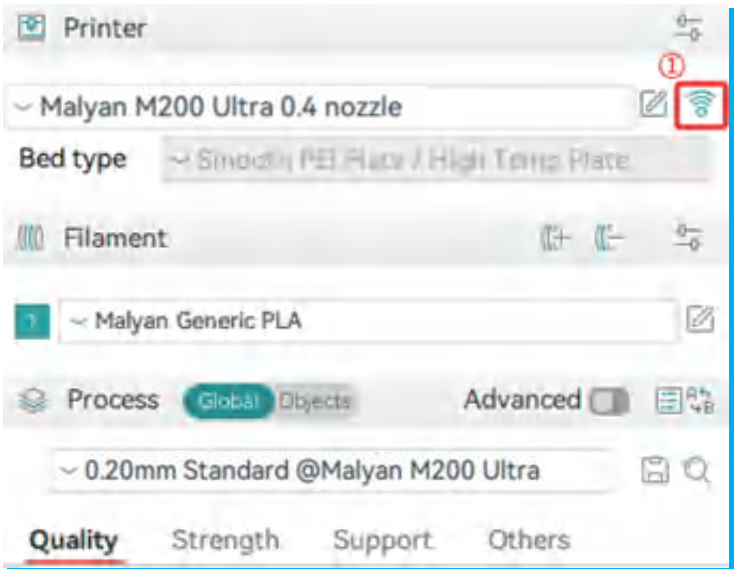
First, on the machine's display screen, click the button ⚙

In the WLAN functionality, connect to the local network.

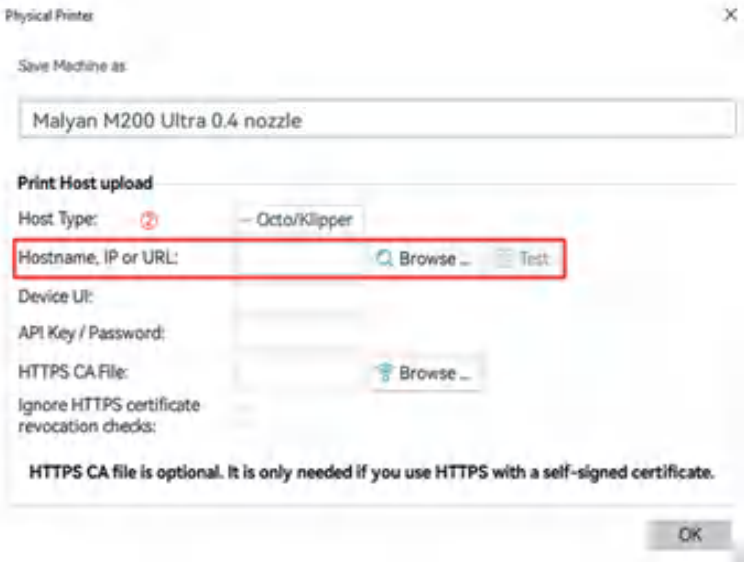
Then click the button 📶 on the home screen

Obtain the machine's IP address (as shown in the accompanying image)

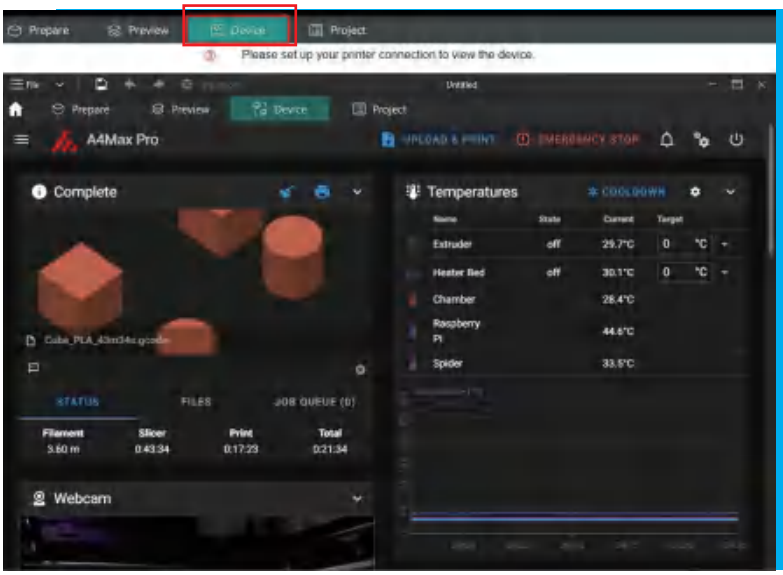
PRINT FROM NETWORK CONNECTION



After that, click the button in image ① on the slicing software.

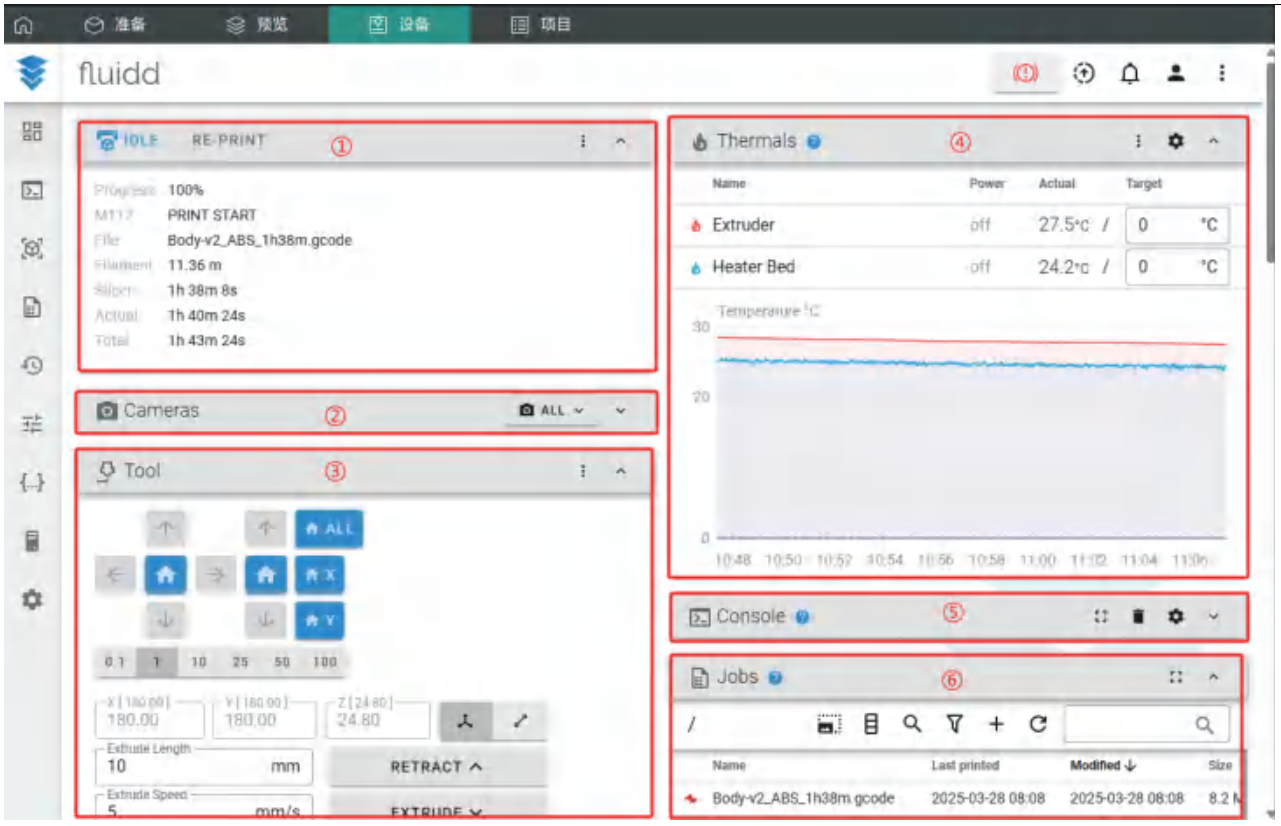


In the text box of ②, enter the printer's IP address and click OK.



Click on ③ to check the connection status.

FEATURES OF THE NETWORK CONNECTION INTERFACE



1. Print History and Status: Allows you to reprint historical files and view print status.

2. High-Definition Camera: Monitors the printed object.

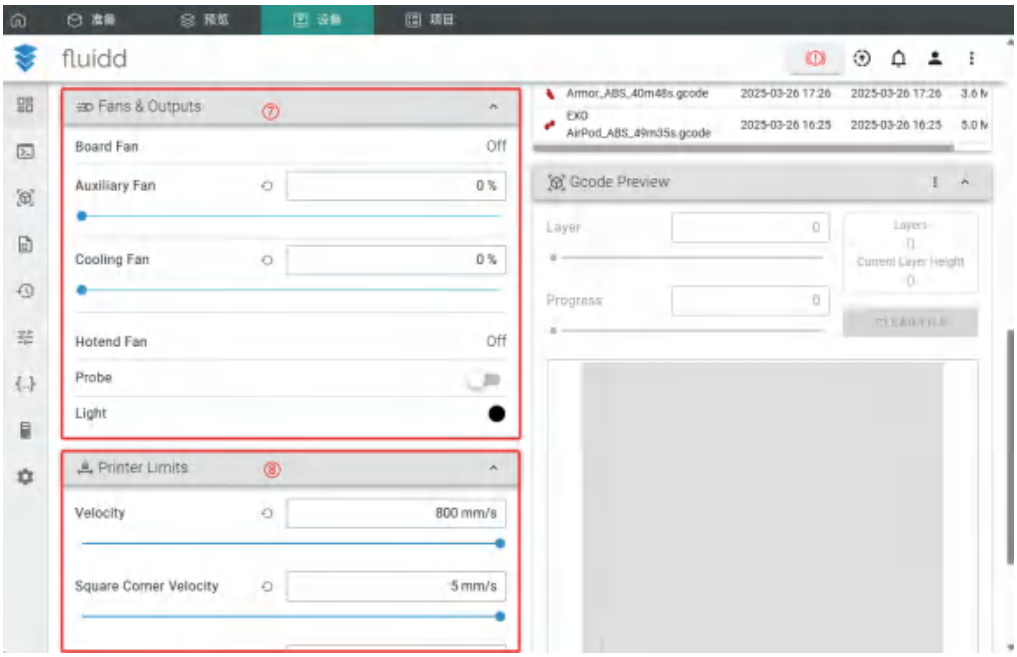
3. Motion Control: Allows adjustment of the extruder head along the X, Y and Z axes.

4. Temperature: Displays the temperature of the extruder head and the heated bed.

5. Console: Allows input of printer control commands.

6. Task List: Allows queuing, pausing, resuming, or canceling print tasks.

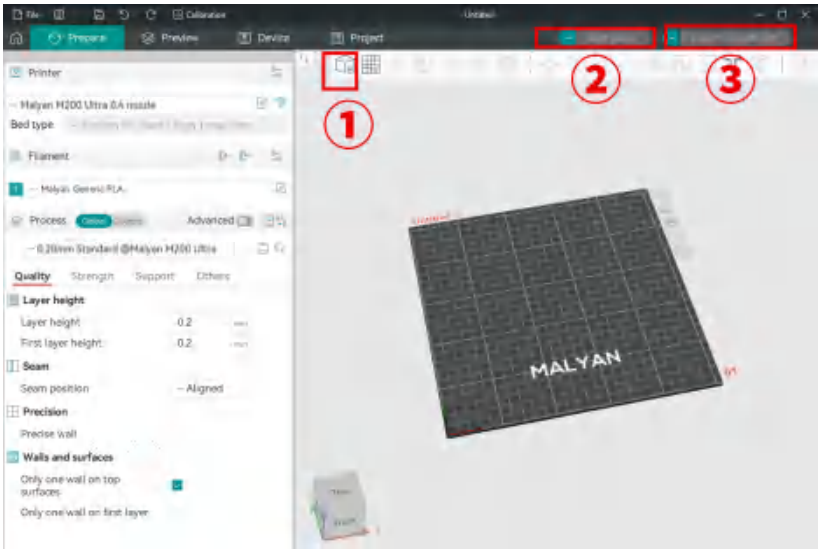
FEATURES OF THE NETWORK CONNECTION INTERFACE



7. Fan Control: Allows adjustment of fan speed.

8. Printer Limitations: Controls print speed.

PRINT FROM NETWORK BY SOFTWARE



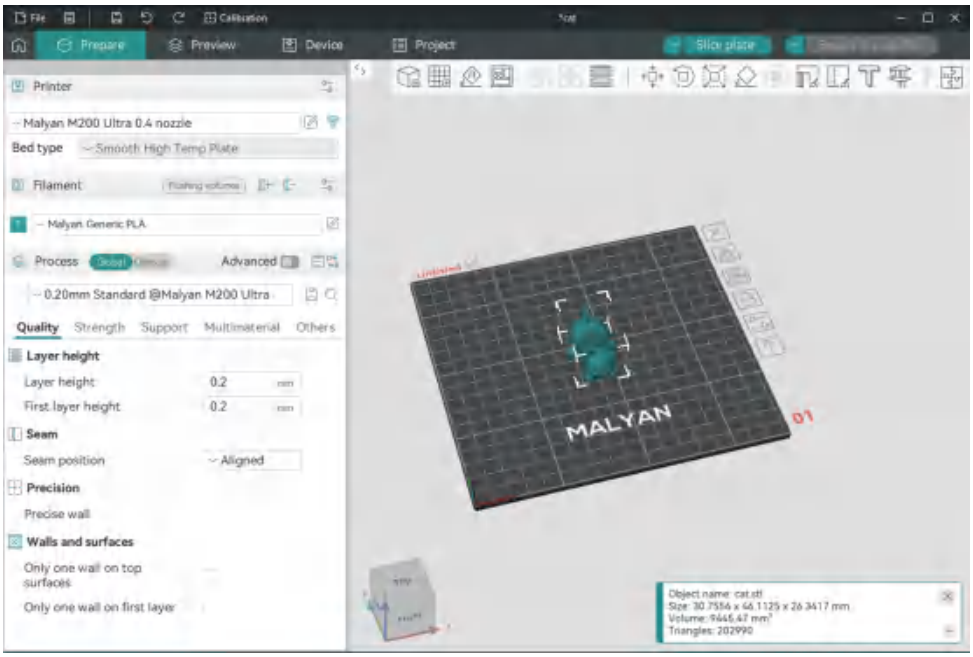
①:File Addition

②:Slicing

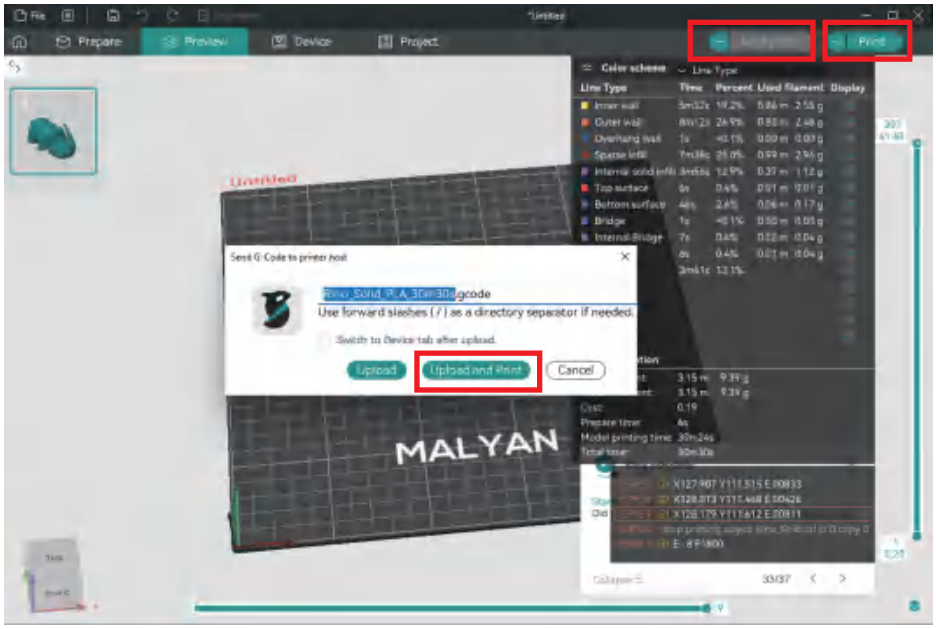
③:Export G-code

First, click the button for **File Addition** (①) to import STL or 3MF format files.

PRINT FROM NETWORK BY SOFTWARE



After successful import, click the button for**Slicing** (②) to complete the slicing process.



After slicing is complete, click the button (Print), then click the button (Upload and Print) to transfer the G-code file to the printer

PACKAGE CONTENTS

Please take an inventory of the package contents to ensure you have all the items listed below. If anything is missing or damaged, please contact MALYAN Customer Service for a replacement.

- 1x 3D printer
- 1x Filament rack
- 1x Hex wrech
- 1x AC power cord

CUSTOMER SERVICE

The Malyan Customer Service department is dedicated to ensuring that your ordering, purchasing, and delivery experience is second to none. If you have any problem with your order, please give us an opportunity to make it right. You can contact a MALYAN Customer Service
representative through：

Email: support@malyansys.com

WhatsApp: +86 19996851229

www.malyansys.com

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.
If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
– Reorient or relocate the receiving antenna.
– Increase the separation between the equipment and receiver.
– Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
– Consult the dealer or an experienced radio/TV technician for help.

Warning: changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment

Radiation Exposure Statement
This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment.
This equipment should be installed and operated with minimum distance 20cm between the radiator and your body.