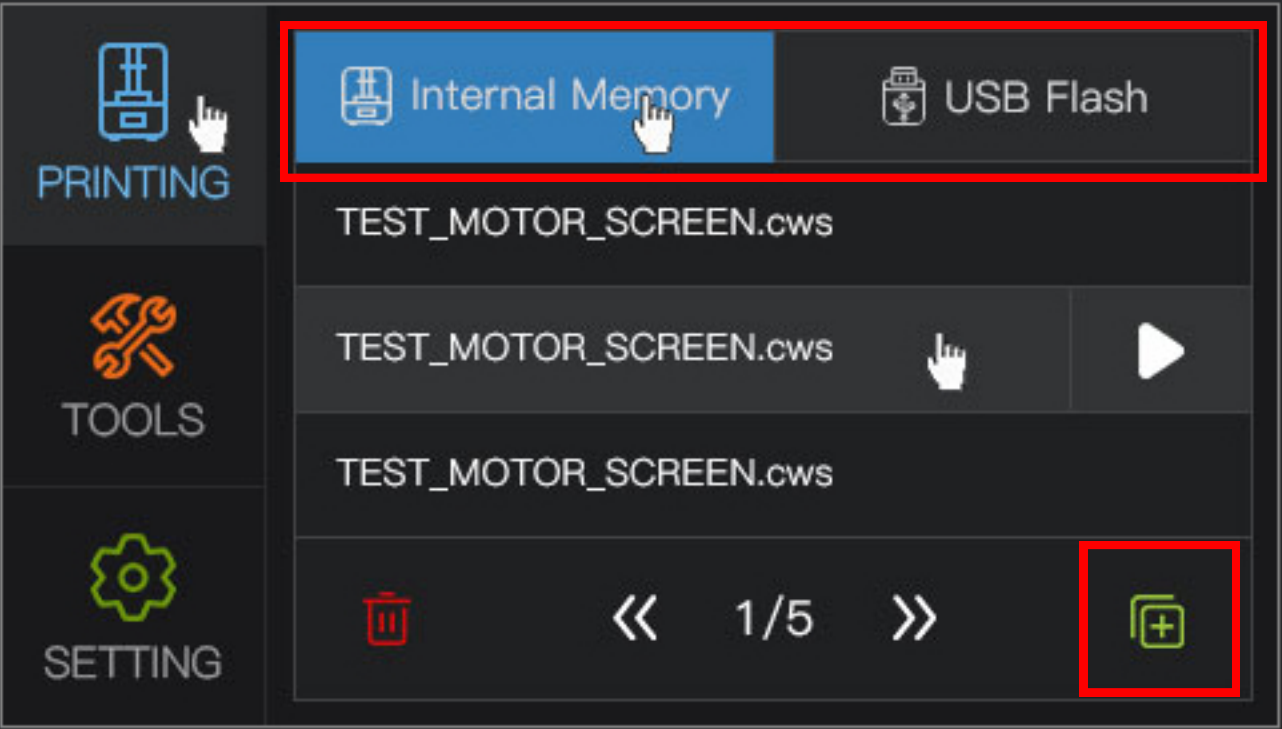# GEM3 Max-16K UI Introduction

The new UI is divided into three sections: Printing, Tools, and Setting
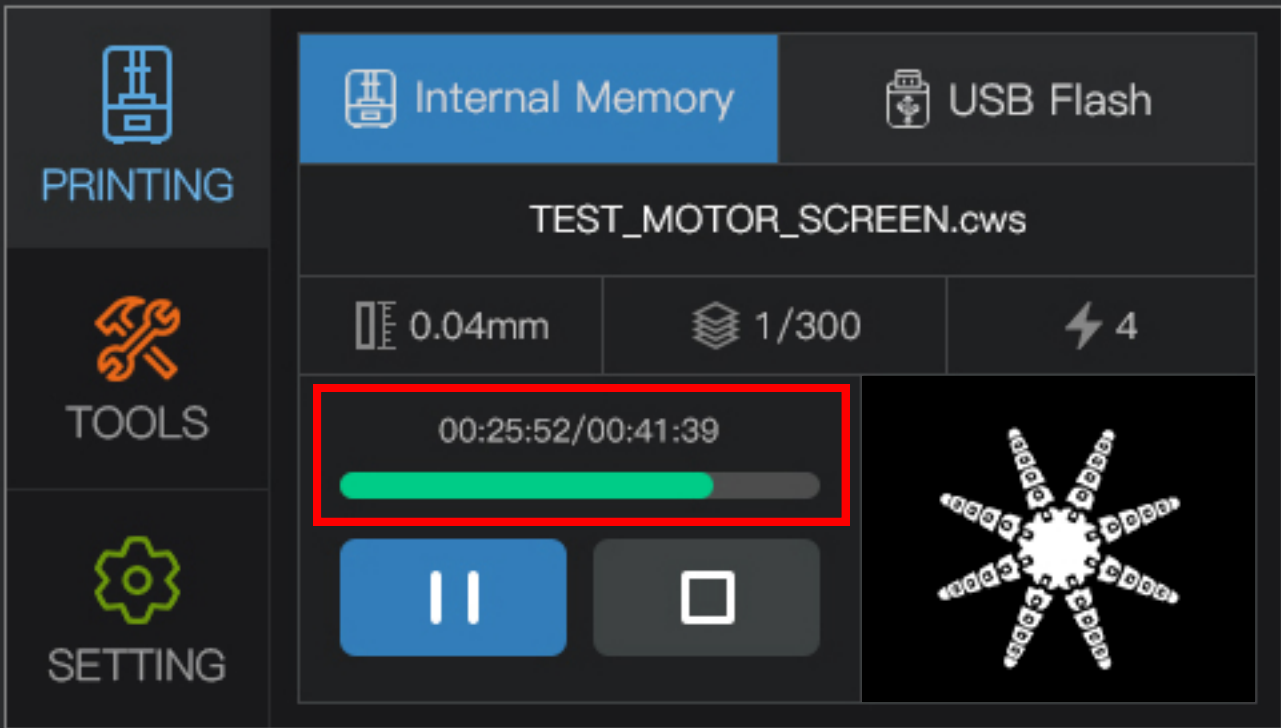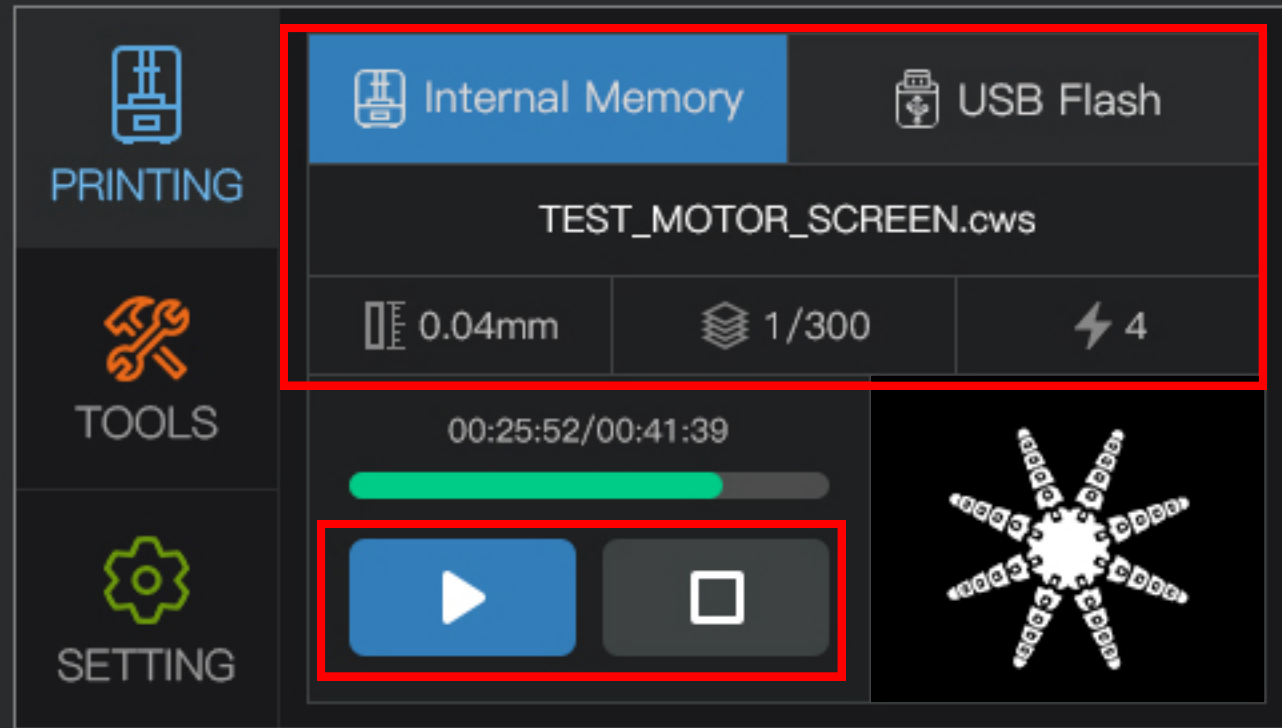

▍PRINTING

- In the printing interface, you can select files from the "Internal Memory" or "USB Flash" .
- Long press the print file to copy or delete.
- Select the print file and click Start "▶" to begin printing.
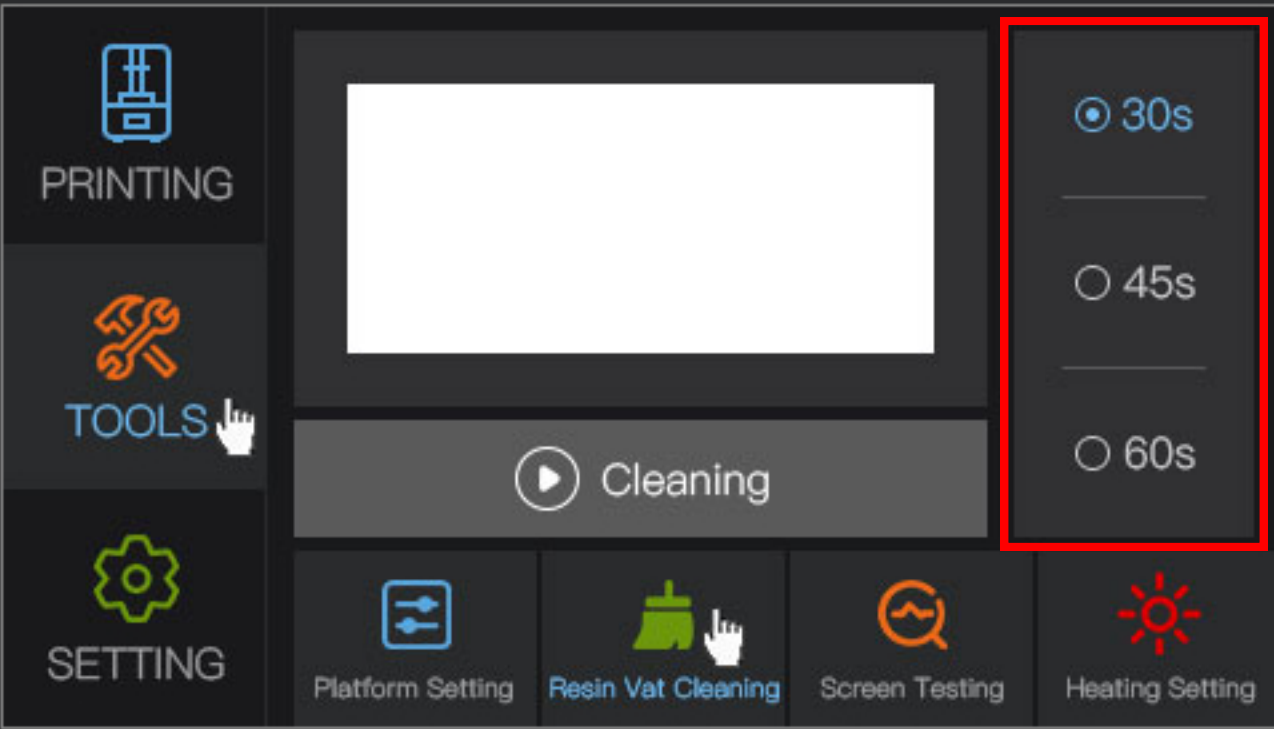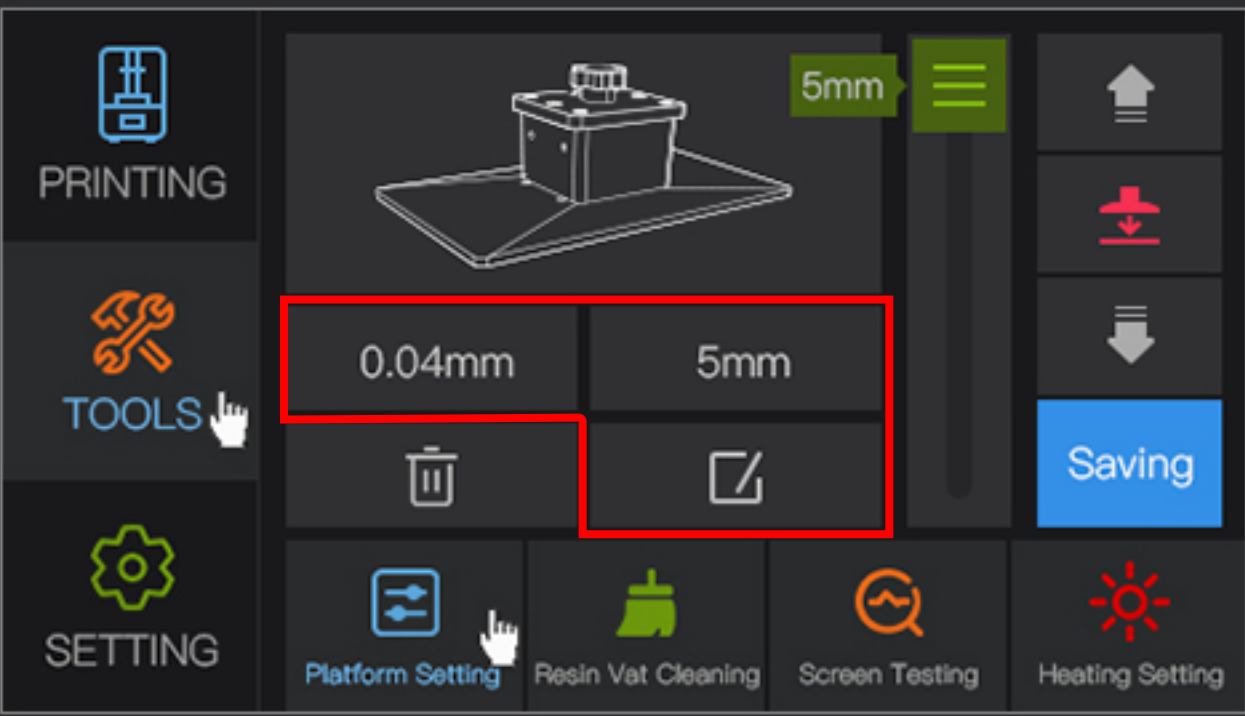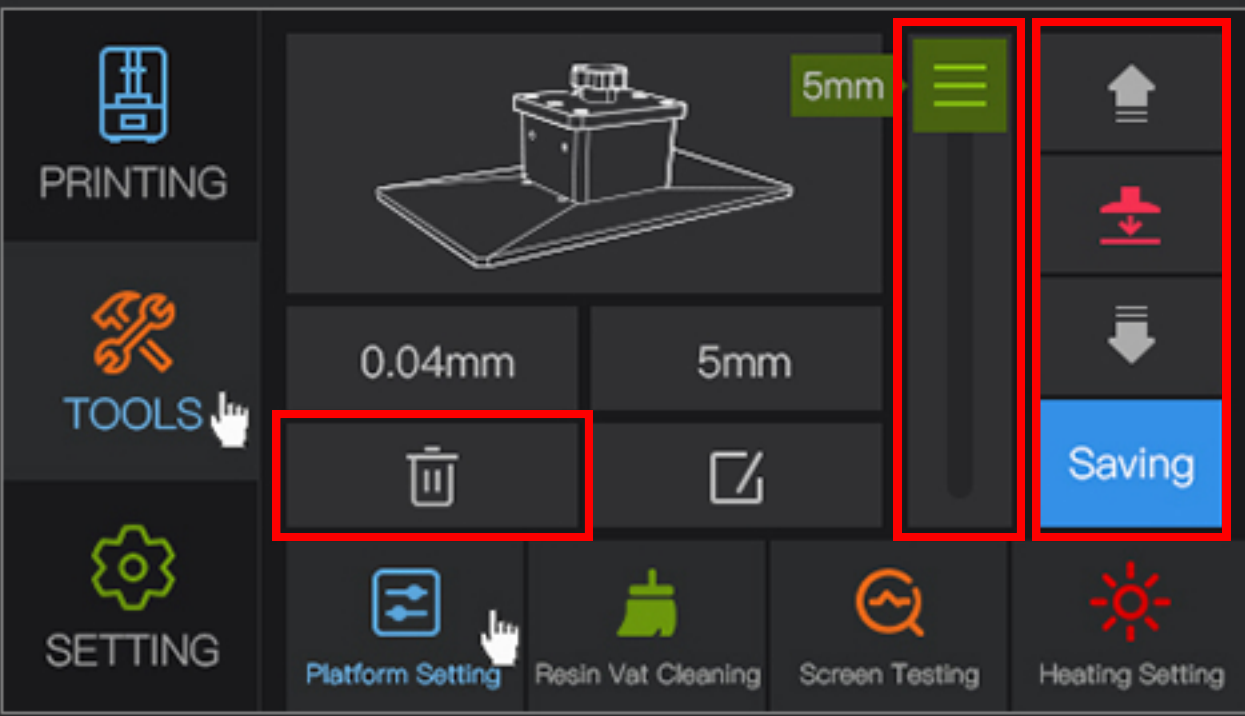
▍During Printing

- Once printing starts, the page will display the print file's info (file name, slice layer thickness, current layer number, total layers, elapsed time, total time, and print progress) along with a current image of the print.
- Print controls include Start "▶", Pause "❚❚", and End "▢".
- In the lower right corner is a preview image of the print file.

▍TOOLS (The tool section includes four functions： Platform Setting, Resin Vat Cleaning, Screen Testing, Heating Setting)

Platform Setting

- You can manually control the printing platform by raising (⬆) or lowering (⬇) to adjust the original starting point of the printing platform.
- The height control axis allows you to control the platform's elevation by sliding a small square. (☰)
- Clear the current origin height position. (🗑)
- You can adjust the platform based on existing 0.04mm and 5mm values or enter a specific height. (✎)
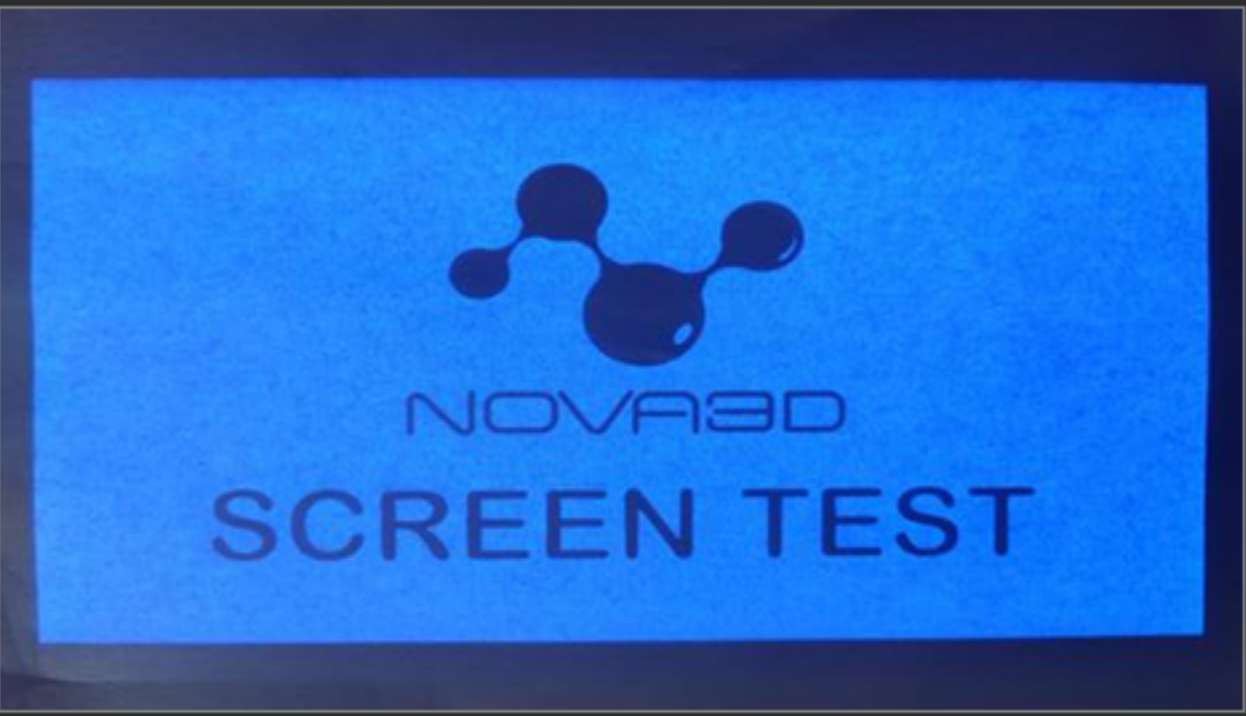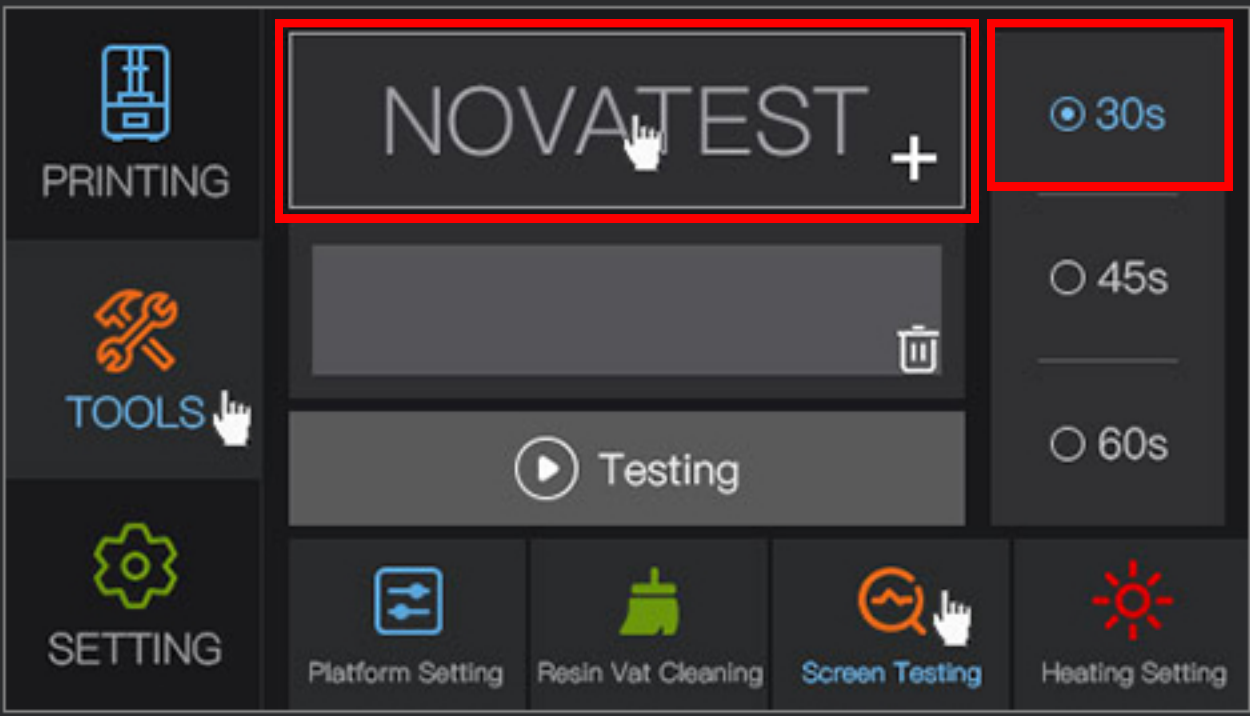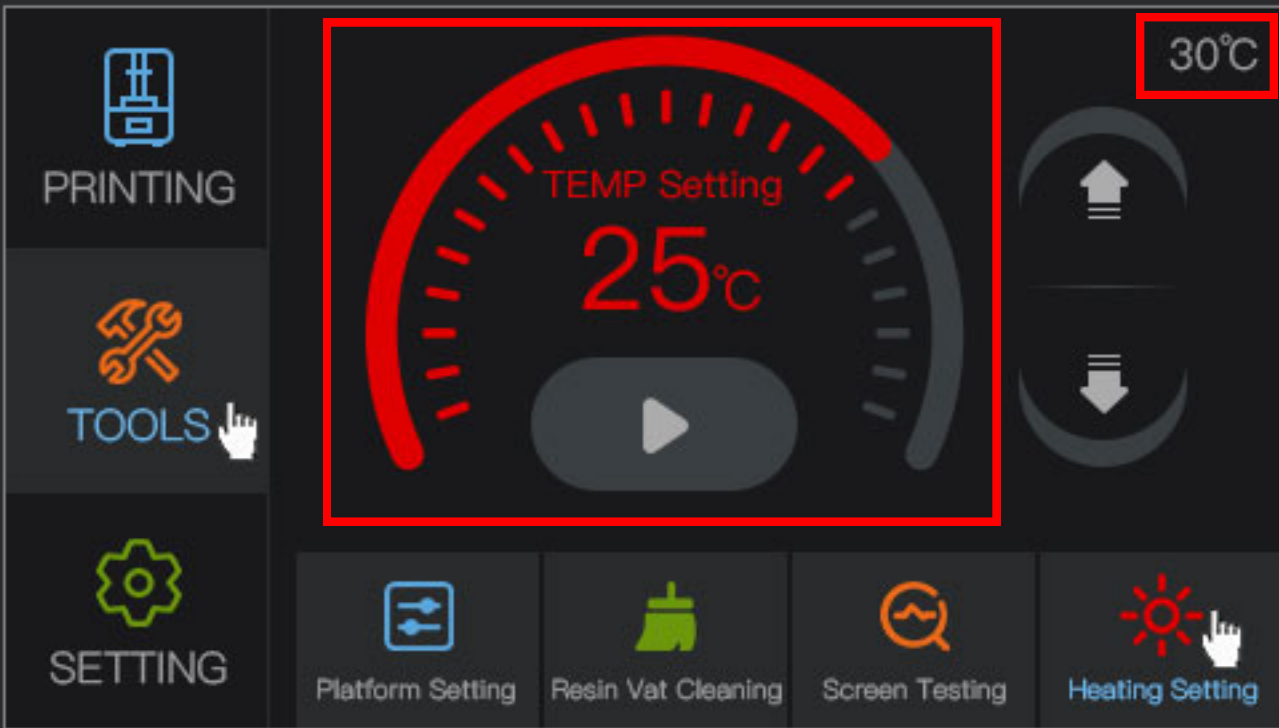

Resin Vat Cleaning

- The right option bar corresponds to curing times of 30s, 45s, and 60s. After selecting the exposure time, click "Cleaning" (recommended exposure time is 30s) to cure the residual model in the resin vat, forming a thin sheet.
- Please wear gloves to remove the thin sheet from the resin vat, and pour the resin back into the resin bottle for storage.

Screen Testing

- The options correspond to exposure times of 30s, 45s, and 60s. Select the exposure time and click "▶" to check if the print screen is normal.

Heating Setting

The printer's heating function is typically used in low–temperature environments. This function is not required at normal ambient temperatures. The heating temperature can be set between 20 and 40℃, with 30℃ being the ideal option. Users can set the appropriate heating temperature based on the current ambient temperature.

Click "TOOLS" on the printer, select "Heating Setting", and use the up and down keys to adjust the desired temperature value, then click the " ▶ " button to start heating. The temperature sensing system will detect the set temperature, and then start printing.

▍SETTING (The setting section includes four functions： Language, Network Settings, Lifespan, About Printer).
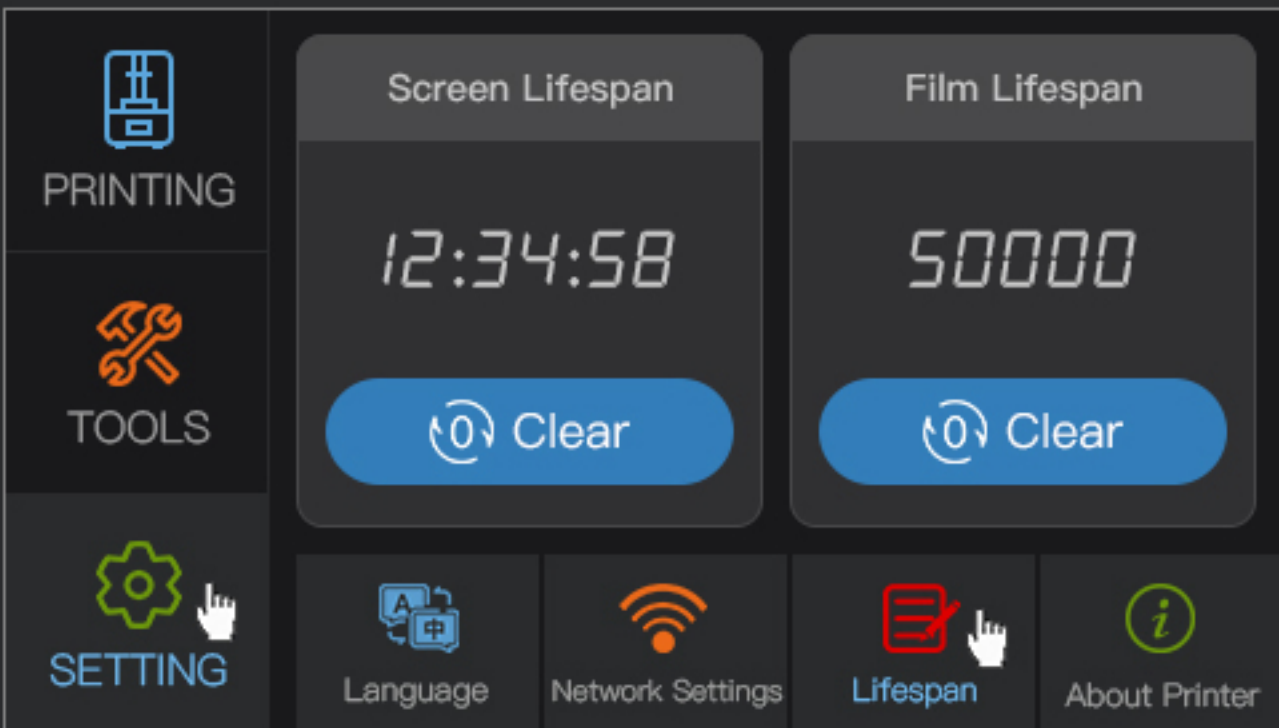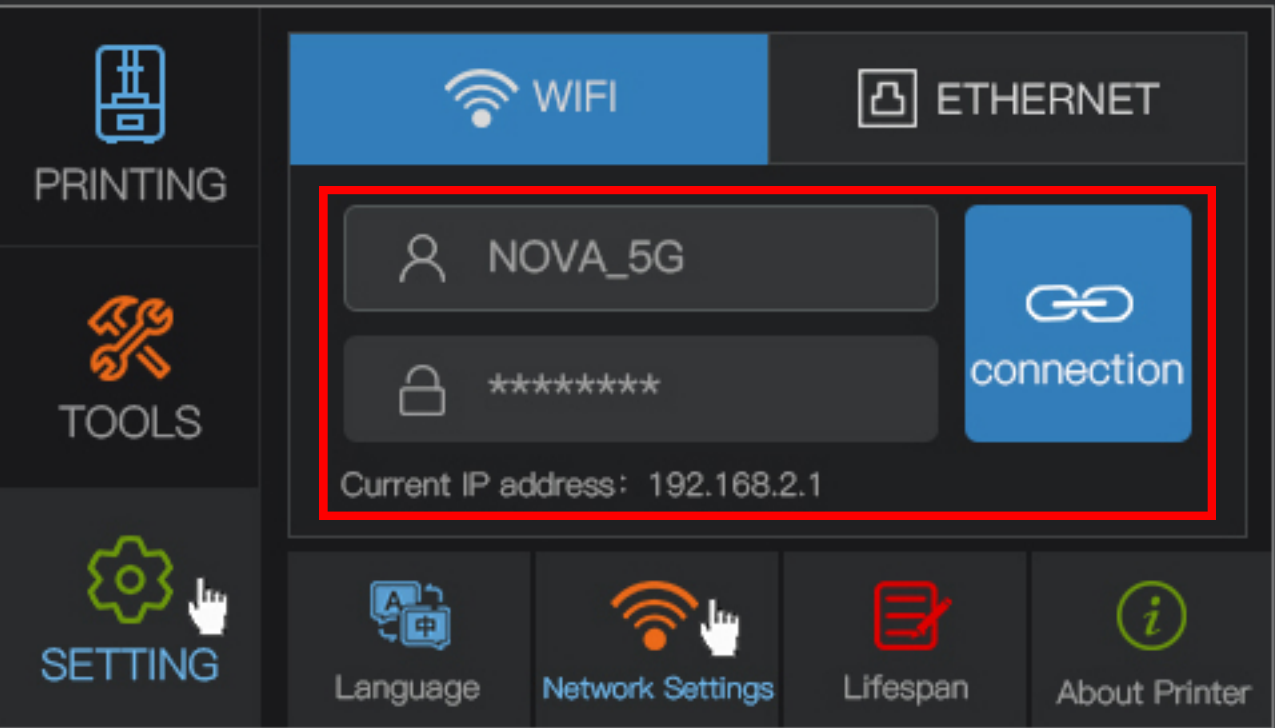

Language

There are three languages to choose from: Chinese, English, Japanese.

Network Settings

Click on "WiFi", select the corresponding WiFi signal (Note: The printer's WiFi signal and the computer control connection must be on the same router to form a local area network), enter the corresponding WiFi password, and click "connection". When the touch screen displays the IP address, it indicates a successful connection.

Lifespan

You can observe the usage duration of the screen and the number of uses of the release film. The release film can be utilized 50,000 times, and the screen lasts 2000 hours. A reminder to replace will appear after the usage duration has been reached. Please click "Clear" and record it once the screen or release film has been replaced.

About Printer

You can view the software and hardware versions.