Sermoon S1 First Scan
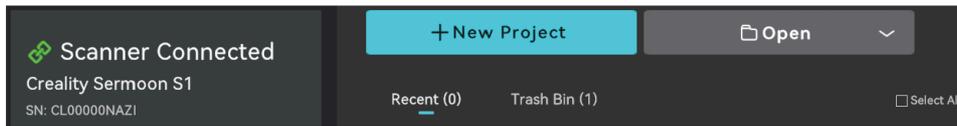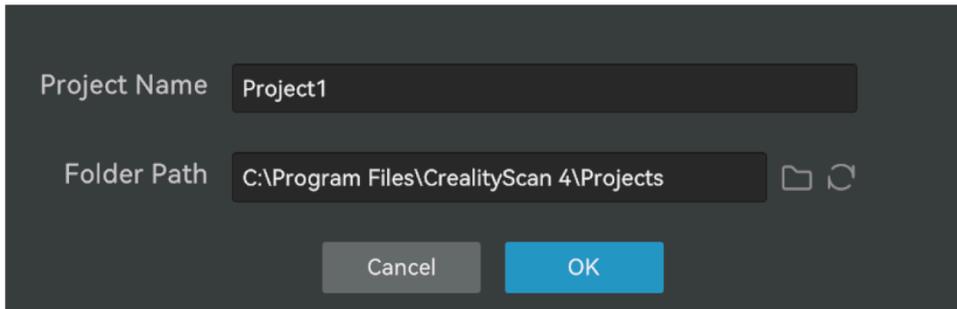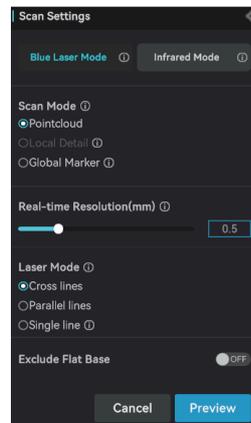
First Scan

① Connect the device and open the installed CrealityScan 4 software.
② Click [New Project] in CrealityScan 4 software , as shown below:

⚙ **Scanner Connected**
Creality Sermoon S1
SN: CL00000NAZI

+New Project   **🗀 Open**   ⌄

Recent (0)   Trash Bin (1)   ☐ Select All

③Enter the project name in the pop-up bar, select the folder path, and then click the [OK] button, as shown below:

Project Name   Project1

Folder Path   C:\Program Files\CrealityScan 4\Projects   🗀 ↻

Cancel   OK

④ Select the scanning mode and related configuration items according to the characteristics of the scan object. Finally, click the [Preview] button to enter the scan preview interface, as shown below:

Scan Settings ‹

Blue Laser Mode ⓘ   Infrared Mode ⓘ

Scan Mode ⓘ
◉ Pointcloud
○ Local Detail ⓘ
○ Global Marker ⓘ

Real-time Resolution(mm) ⓘ
———●——————   0.5

Laser Mode ⓘ
◉ Cross lines
○ Parallel lines
○ Single line ⓘ

Exclude Flat Base   ⚪OFF

Cancel   Preview

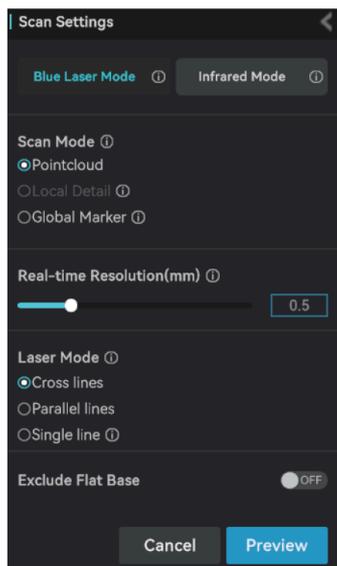## Scanning steps
① Scan mode selection
If you need to scan the object with high precision and detail, please select the "Parallel Lines" mode in the "Laser Mode" . In this case, the aid of marker points is required.
When the object is small, you can stick the reflective mark on the table , and there is no need to stick the mark on the surface of the object. If the object is large, you can select the "Cross line" mode in the " Laser Mode " , and you need to stick the mark on the surface of the object, and you can perform high-speed scanning. If you need to scan deep holes, please select the "Single line" mode.
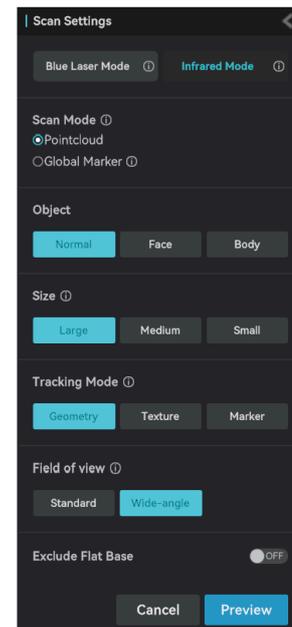When scanning in laser mode, you need to select an appropriate Real-time Resolution. The smaller the point distance, the finer the scanned model, but it will consume more memory and may also affect the scanning frame rate. If you want to scan the other side of the object, please use the multi-project merging function of CrealityScan 4 software to merging the point clouds of multiple scans into a complete model.

Laser Mode ⓘ
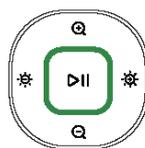◉ Cross lines
○ Parallel lines
○ Single line ⓘ

Infrared mode can be used to scan targets such as faces and bodies without the need to attach markers. Infrared scanning also supports texture mode and marker mode scanning. For more information about Sermoon S1 , please visit: https://wiki.creality.com/en/3d-scanner The reference configuration for blue laser mode is as follows:
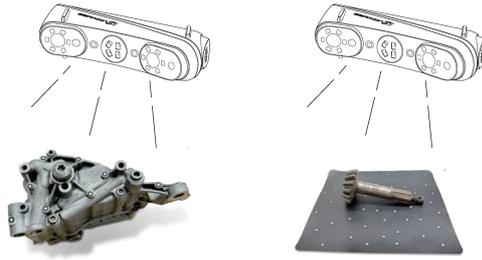
The reference configuration for infrared mode is as follows::

② Adjust the scanner and the scanned test piece to a suitable distance, that is, when the scanner indicator light is green (as shown below), or the distance indicator bar on the software interface is at the best, it means that it is at the best scanning distance.

③ Short press the button on the scanner ▷‖ , or click the [Start] button on the software interface , and keep the scanner pointed at the object to start scanning.

④ Use the scanner to perform a 360° scan of the object to be scanned. When the scan is completed, press and hold the scanner for ▷‖ more than 2 seconds, or click [Complete] on the software interface to complete the scan. Perform post-processing in the CrealityScan4 software to obtain a complete 3D model. The effect is as follows:

Note: Please visit Creality official Wiki for more detailed operation tutorials.
https://wiki.creality.com/en/3d-scanner