CR Studio

Quick Guide

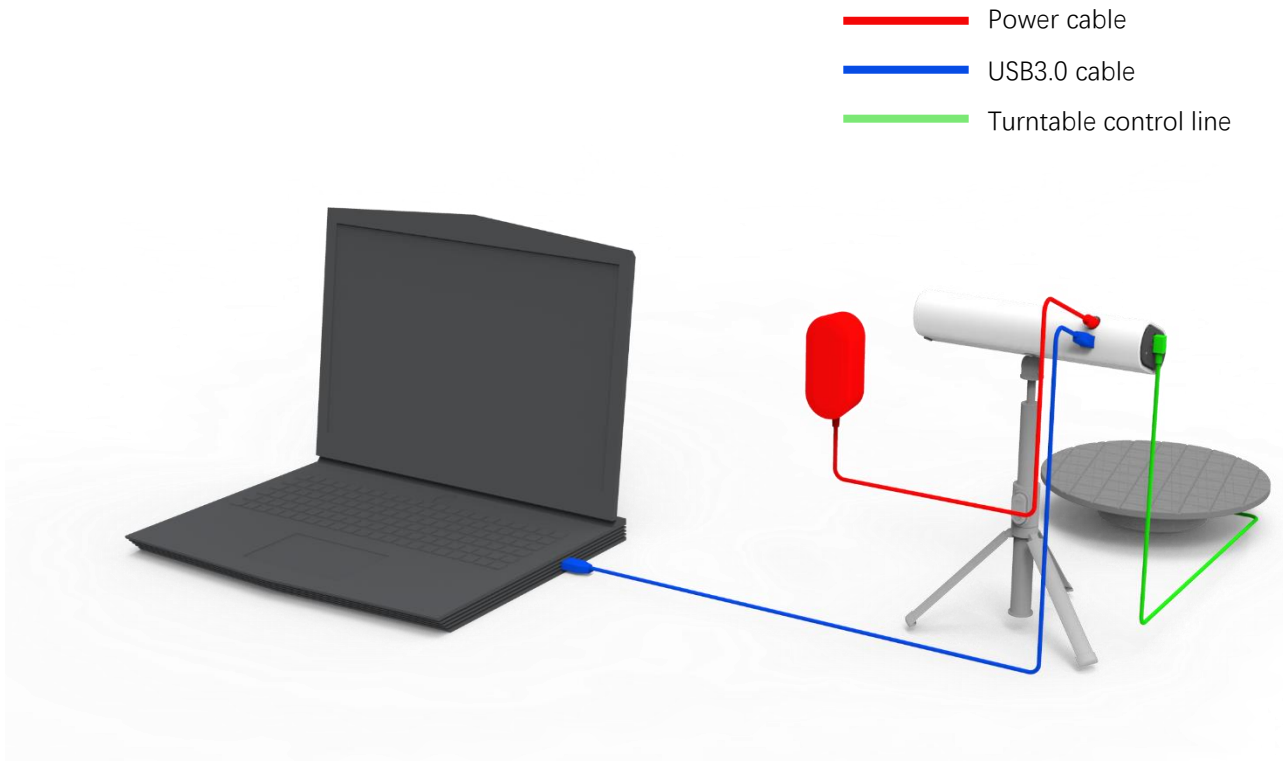
Device unboxing

The whole set includes: host, turntable, turntable panel, tripod, Power cable, data cable, power adapter, handle mounting screw, usb flash drive and turntable control cable

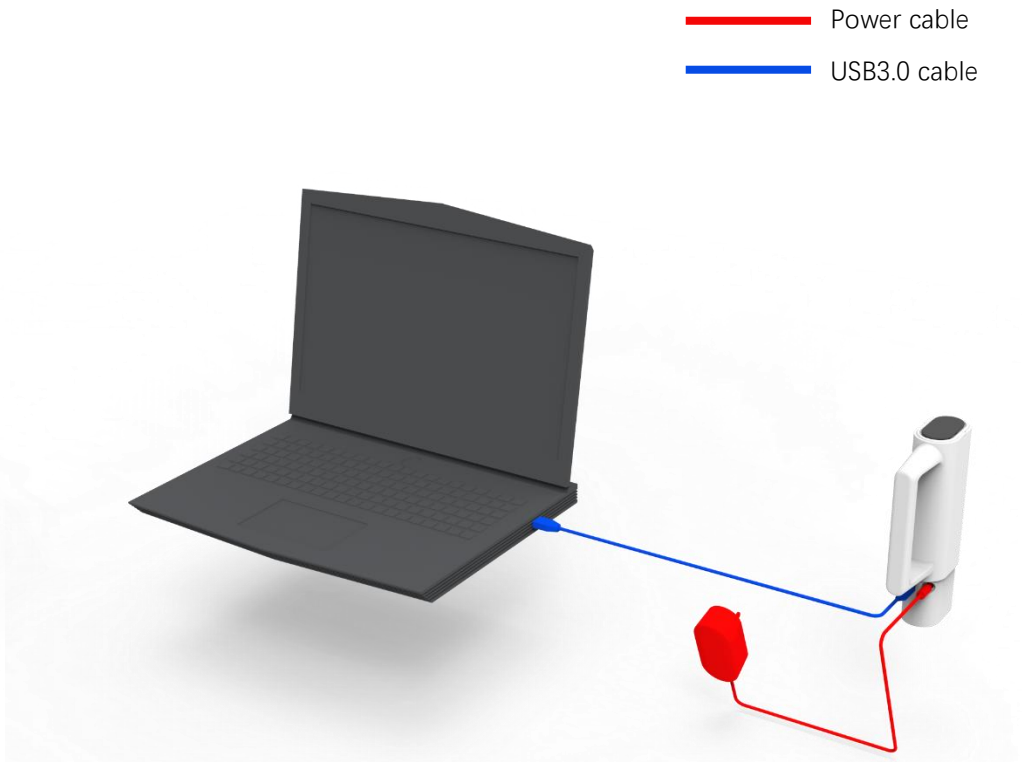
The handheld components will be shared on Creality Cloud, and you can use 3D printer to print.

Device Installation

The device has two working modes, turntable mode and handheld mode



Turntable mode



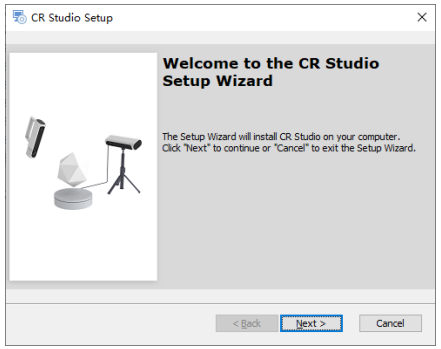
Handheld mode

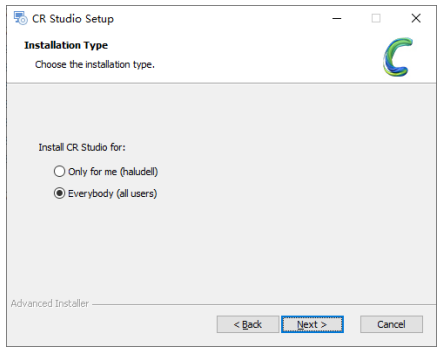
PS: Connect the USB 3.0 cable before connecting the device power cable when the computer boots up

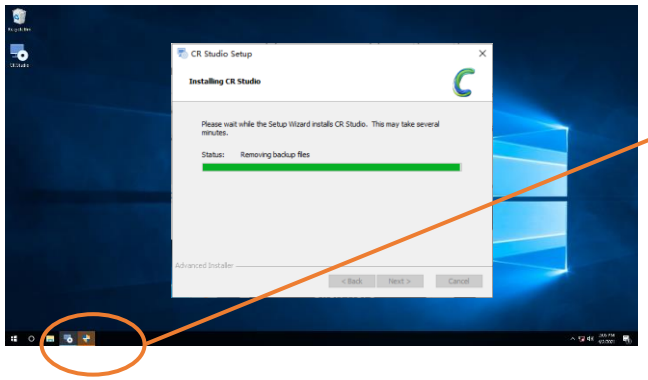
Software Installation

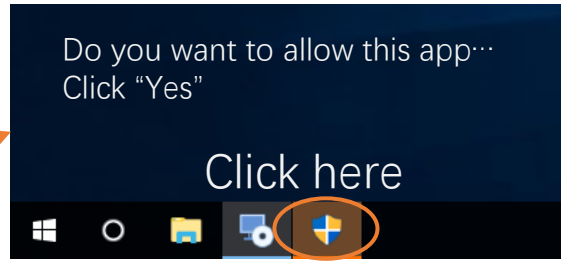
Install the software and copy the device's supporting configuration file

Installation Software



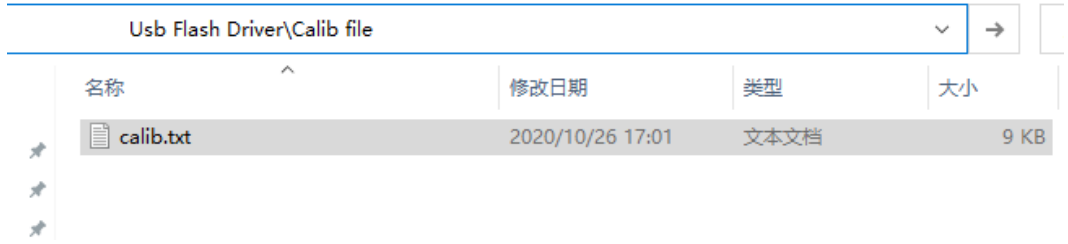


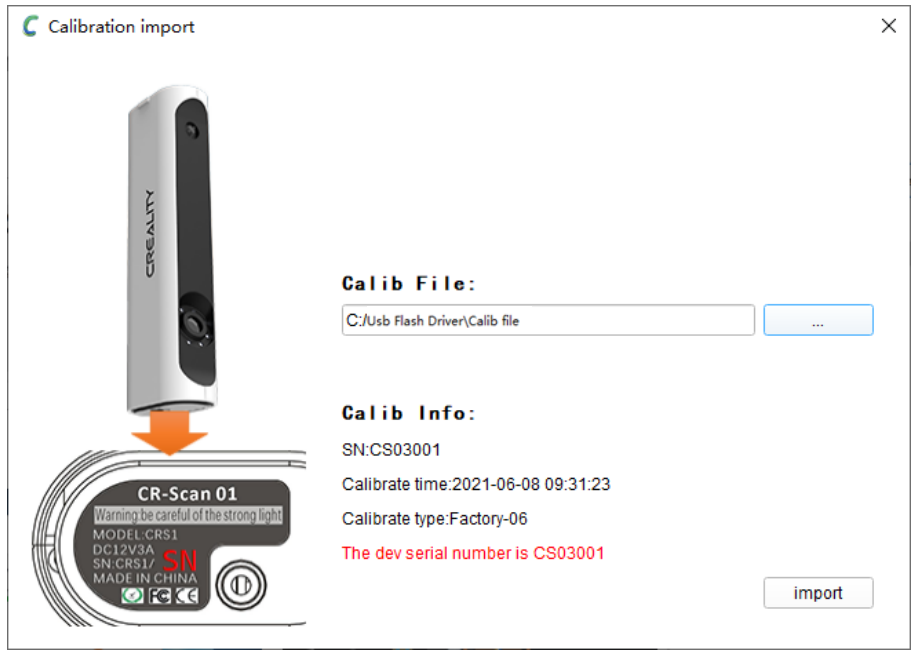




Finish

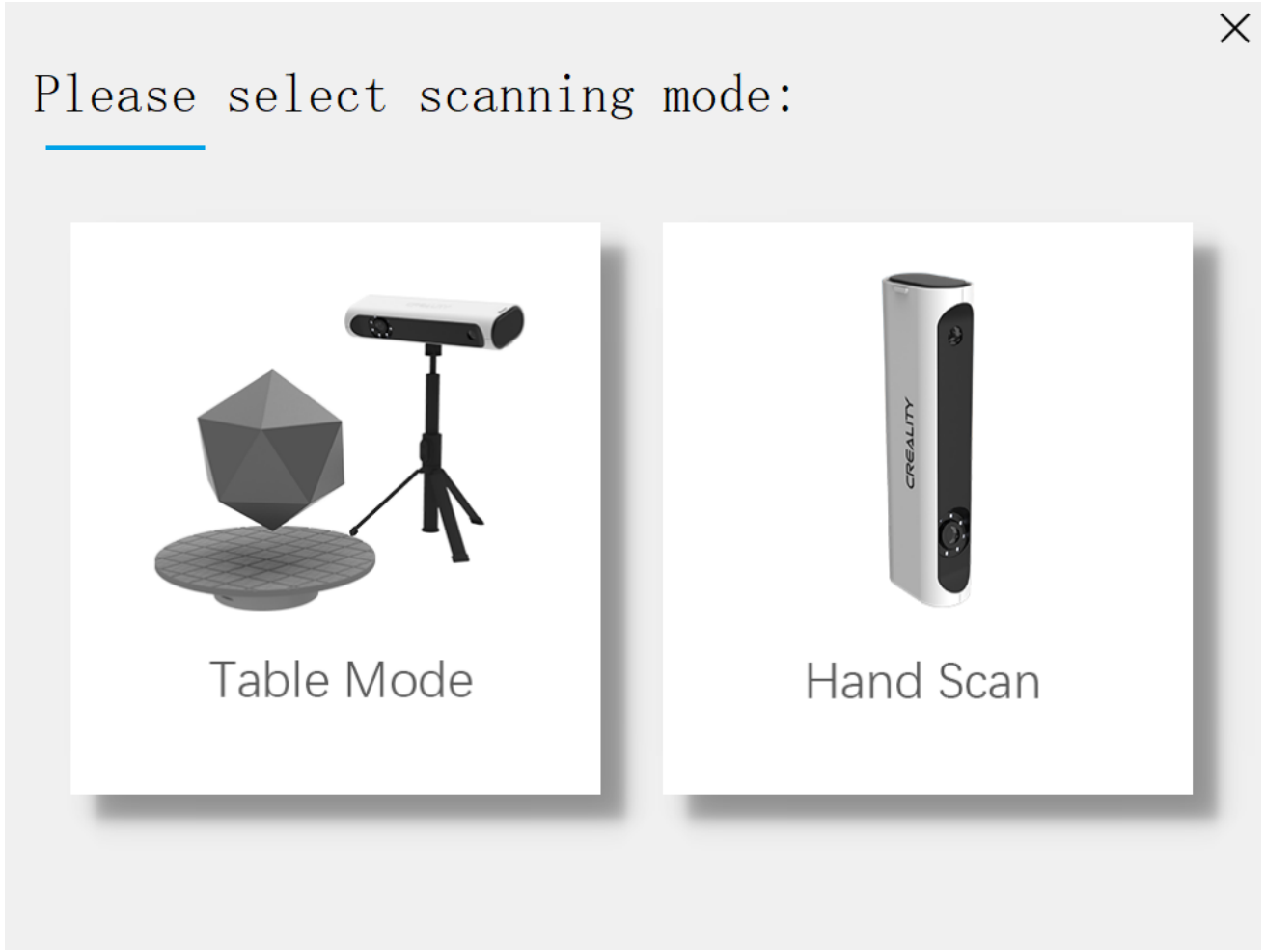
import calib file





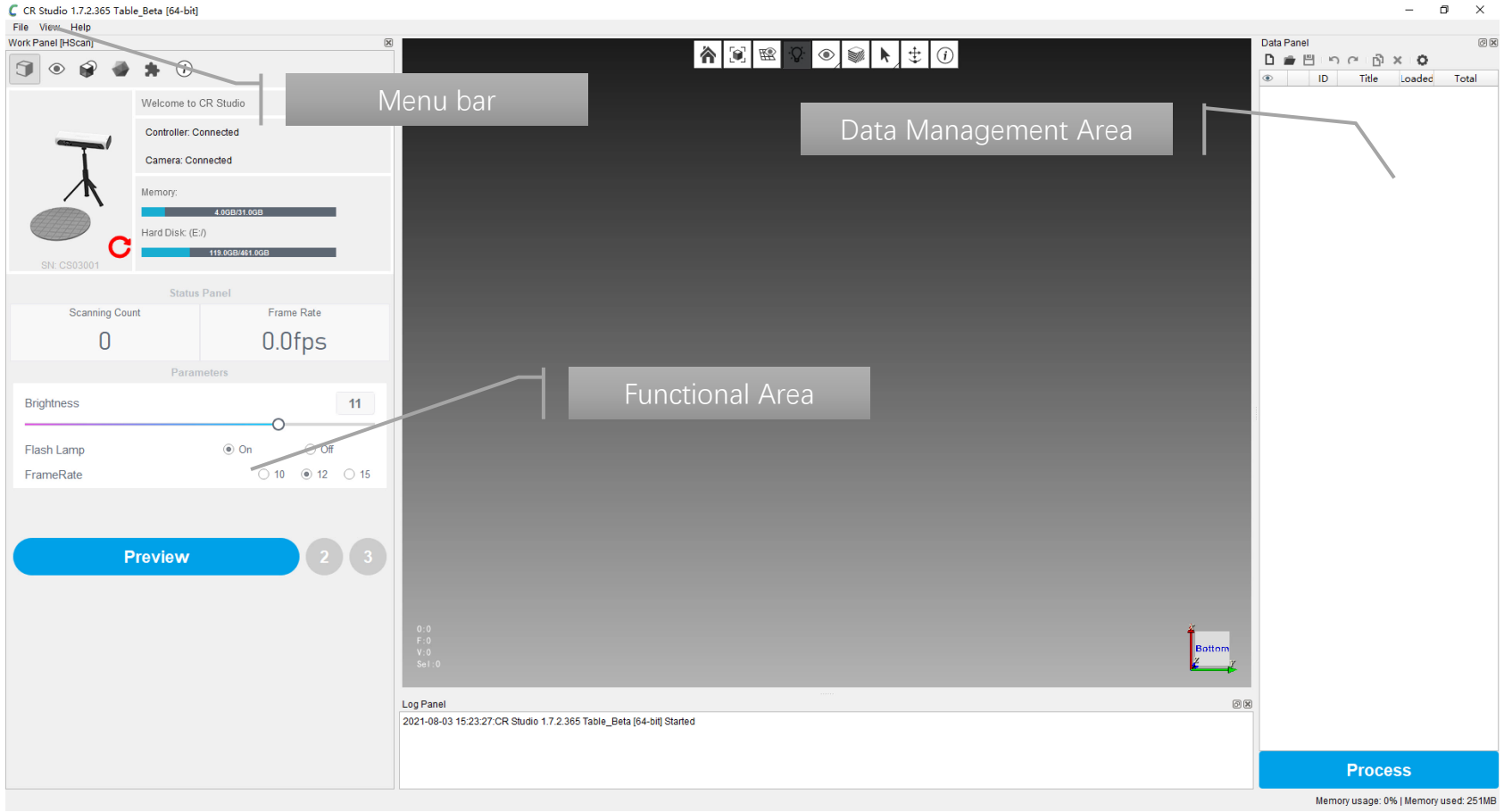
Launch Software

Start the software and select the turntable scanning mode or handheld scanning mode



Software Interface

After selecting the scanning mode, enter the main interface of the software



Shortcut key

1. Main shortcut keys

1.1 Handheld models – start/stop acquisition

Shift + S

1.2 Select the model rotation center

Alt +  (click)

1.3 Rotating models

 (Press and hold to move)

1.4 Panning Model

 (Press and hold to move)

1.5 Scaling models

 (Scroll wheel)

2. Edit Mode

2.1 Selection of models

Ctrl +  (Press and hold to move)

2.2 De-selection model

Ctrl + Alt + 

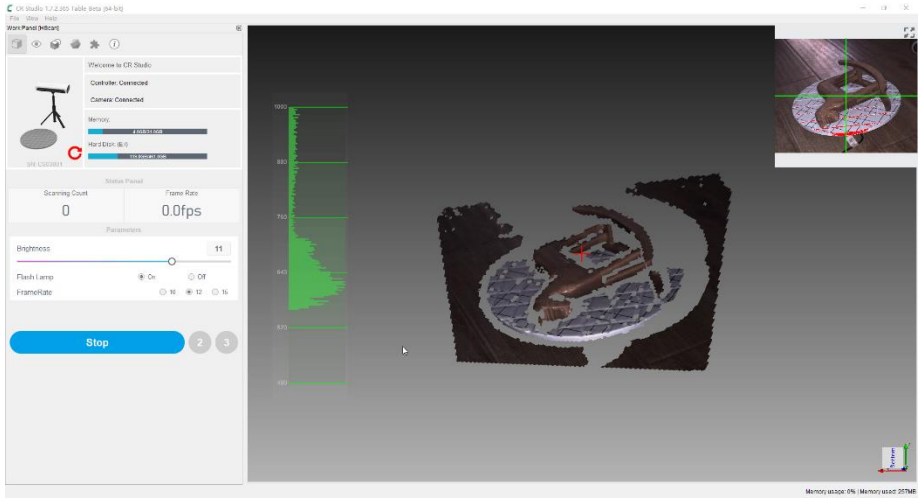
(Press and hold to move)

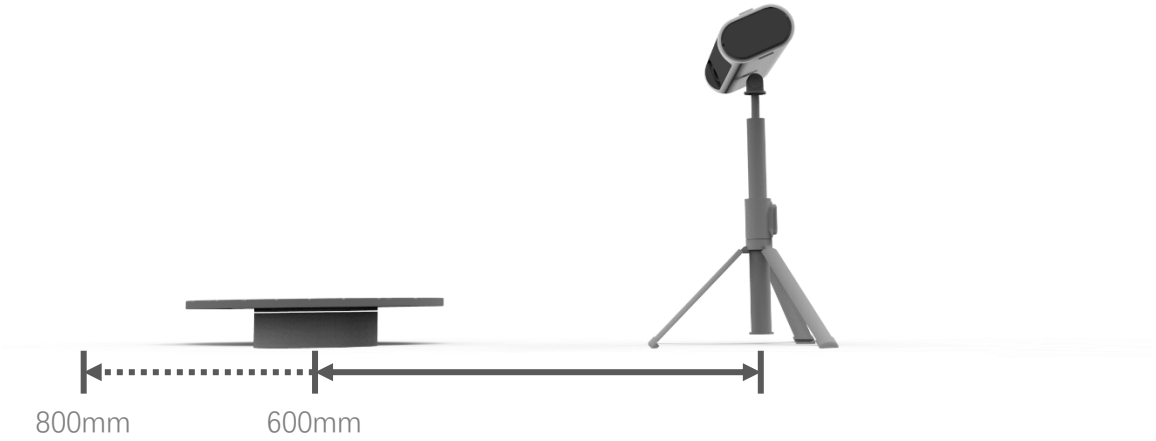
Turntable mode

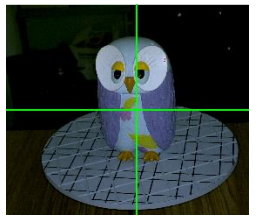
Turntable mode can fully automatic scanning of objects around 100mm-300mm

1 Adjusting the device view

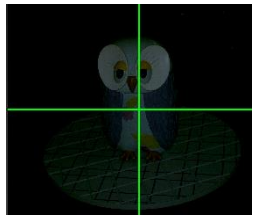
Adjust the distance and angle between the scanner and the turntable so that the object and the turntable are in the center of the 3D view and the object can be completely covered.



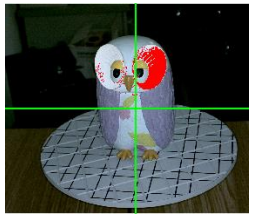




Good



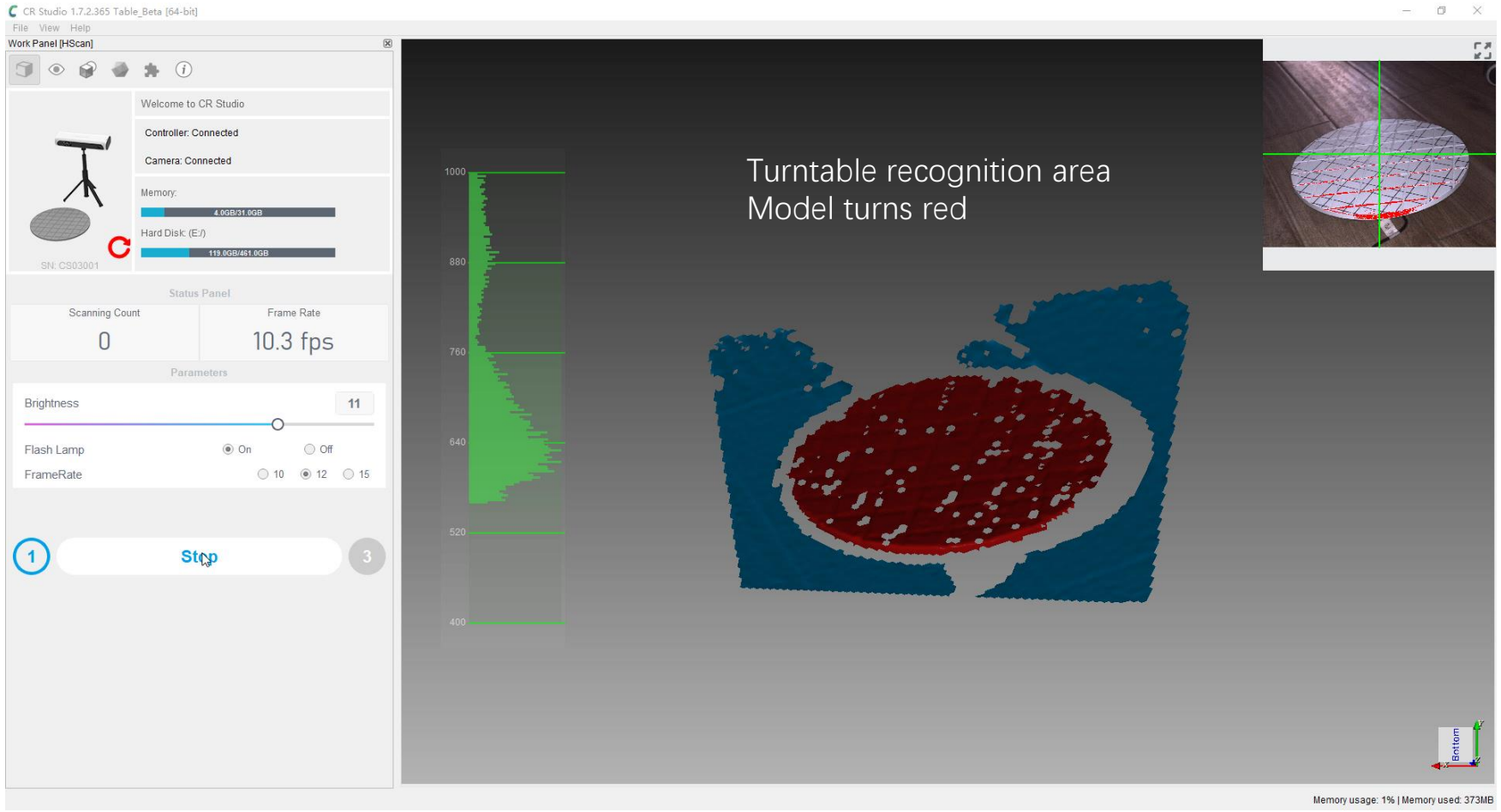
Dark



Bright

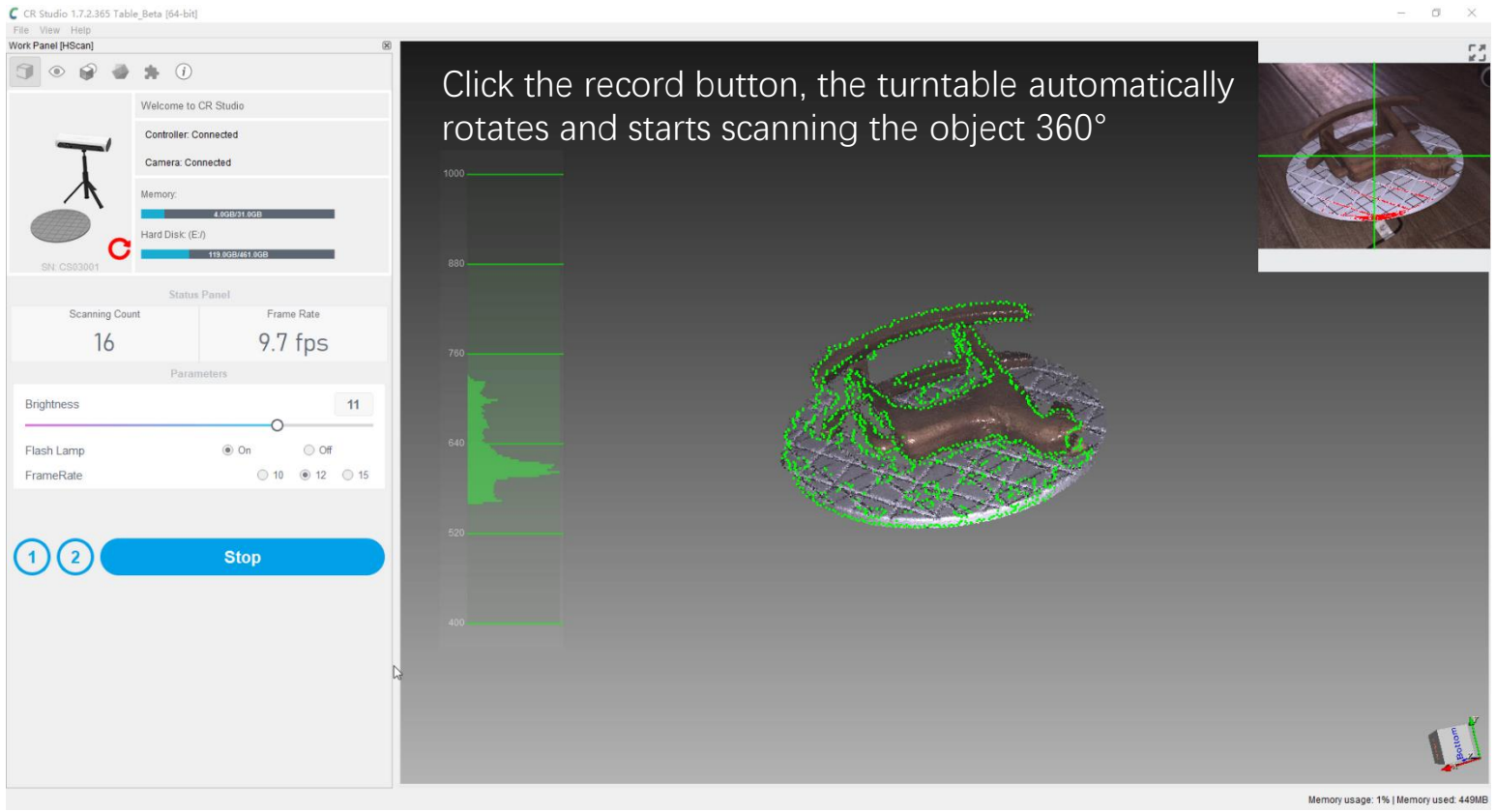
2 Initializing the turntable

Scanning of empty turntable, automatic positioning of turntable plane position



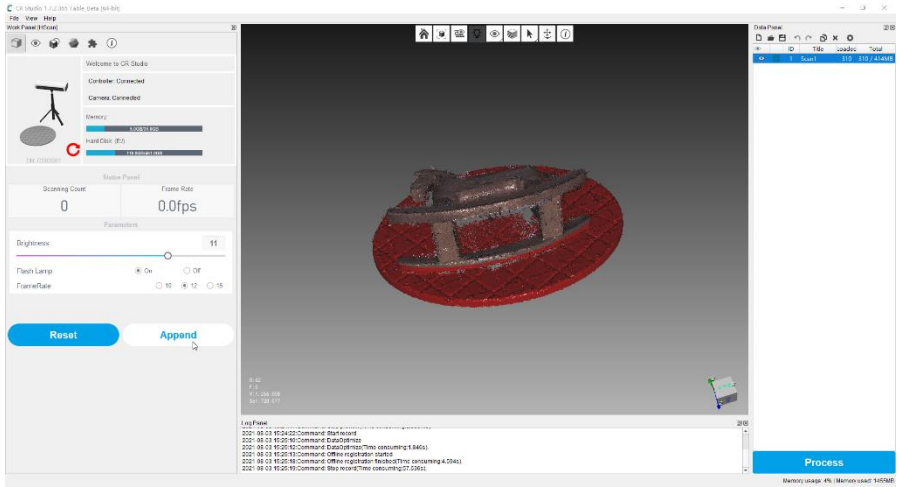
3 Start scanning

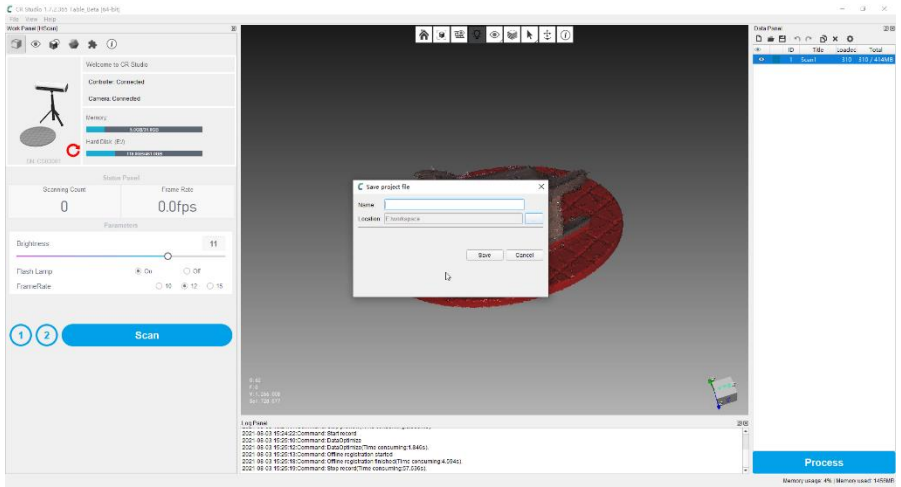
The scanned object is placed in the center of the turntable and starts scanning automatically

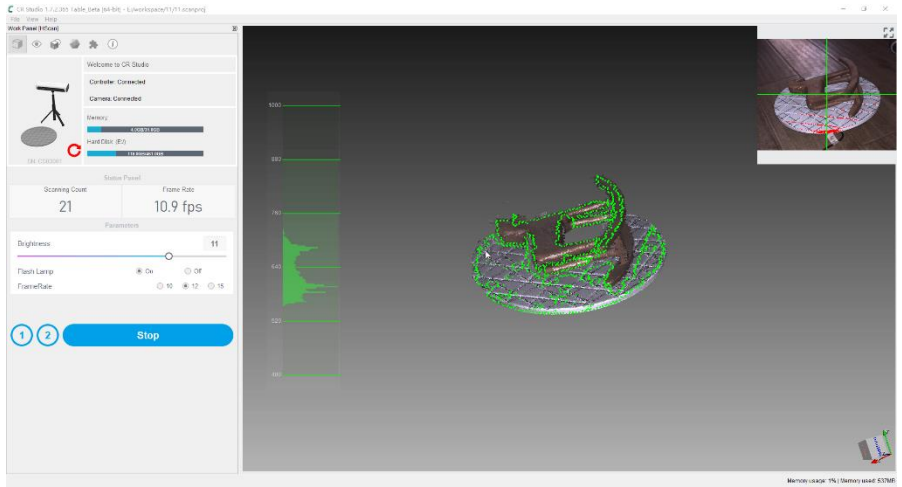


3 Scanning the second posture

Change the attitude of the scanned object and place it in the center of the turntable, click the Append button, and click Scan button, fill in the project name, and start automatic scanning.

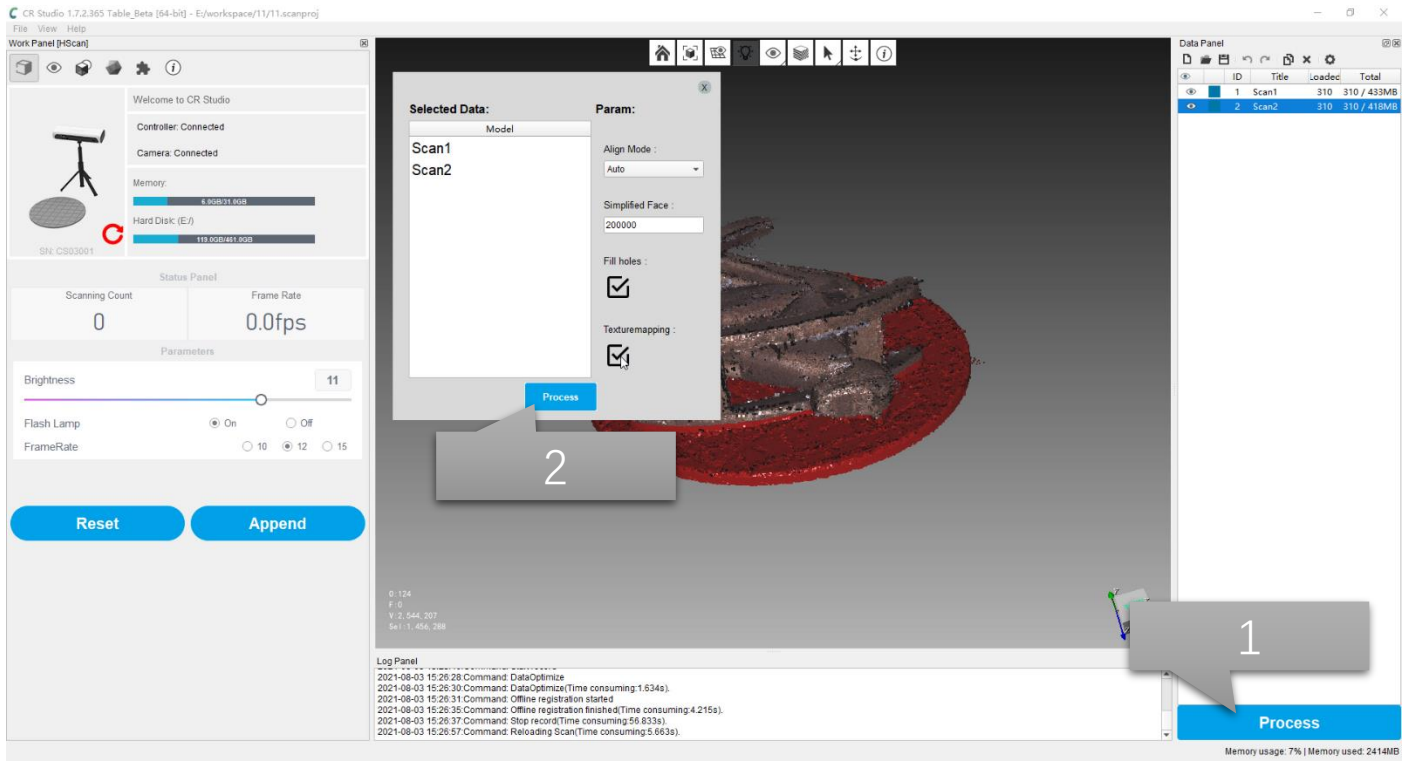






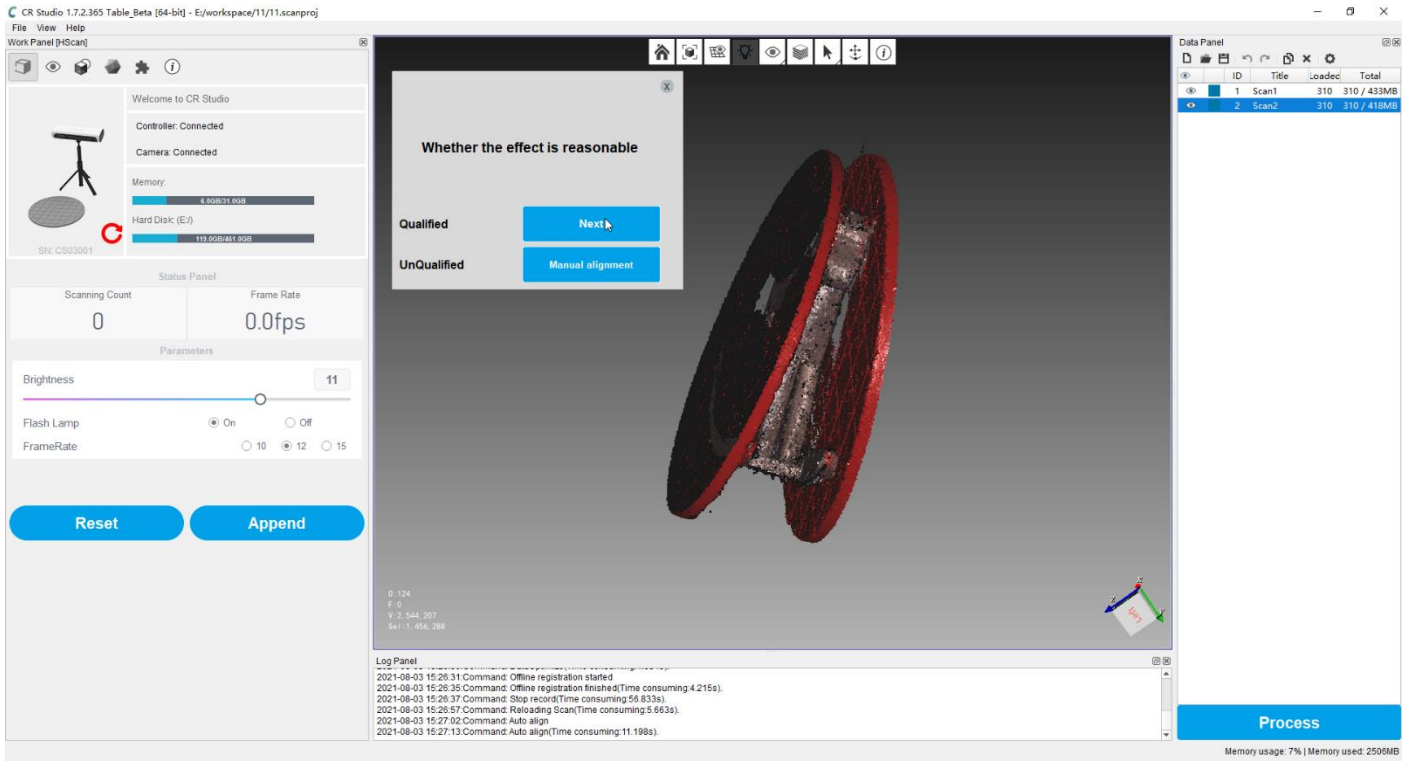
4 Processing data

Select scanned data for automatic processing.



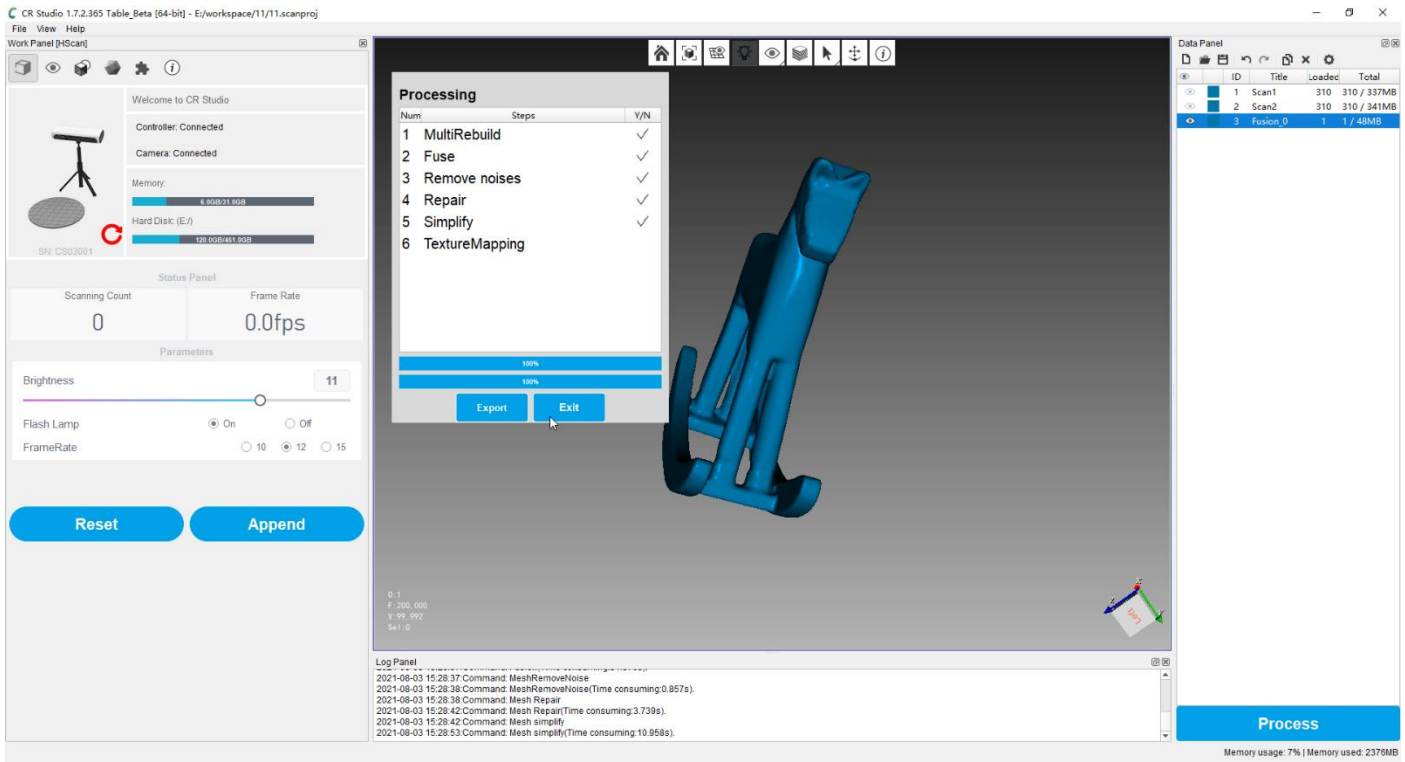
5 Automatic alignment

Check the auto-alignment effect and go to the next step of processing



6 Complete processing

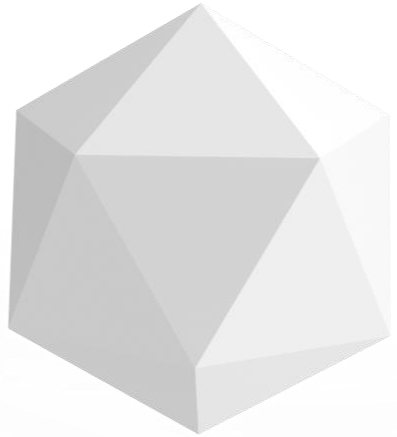
Automatic completion of all model processing and export of results data



The stl format can be imported directly to the 3D printer
The obj format allows you to get a model with textures

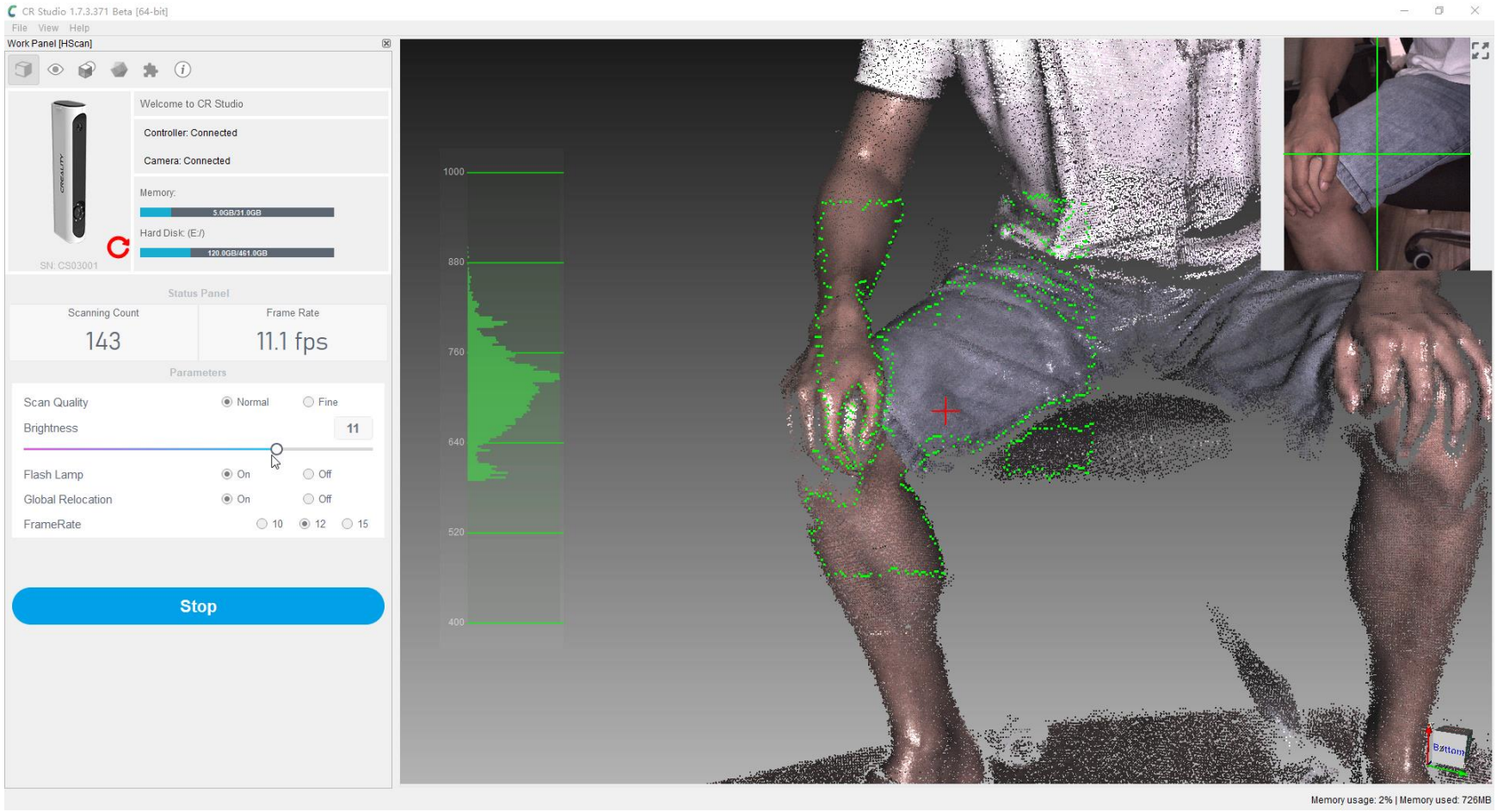
Handheld mode

Handheld mode allows flexible scanning of objects of different sizes



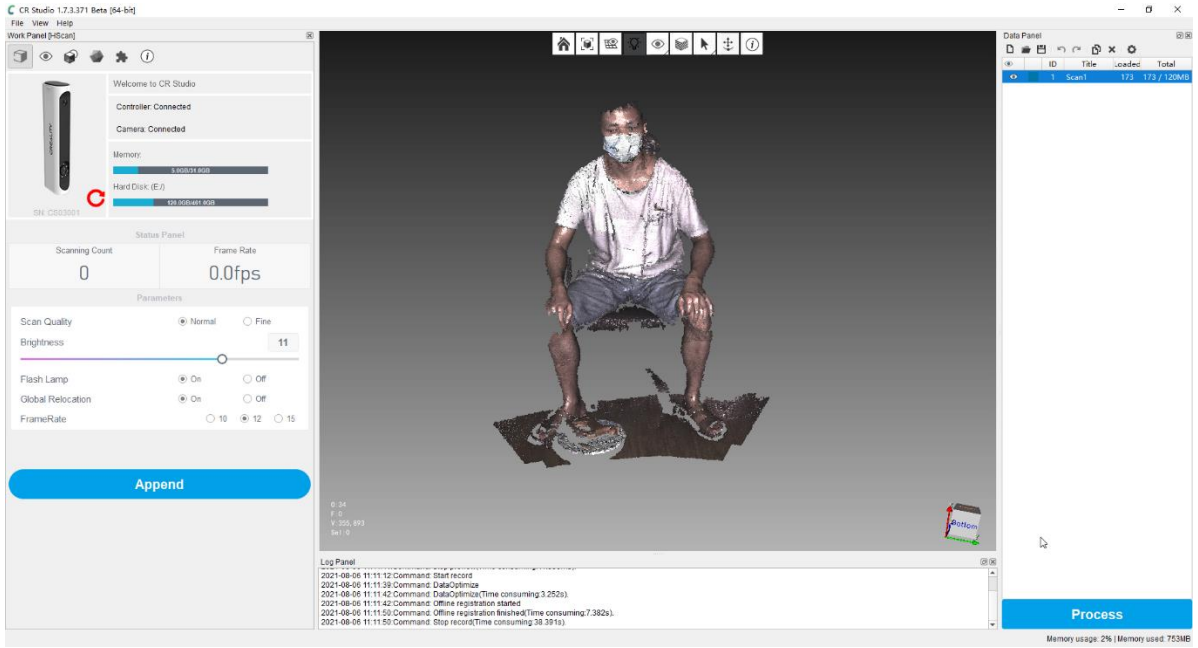
1 Start scanning

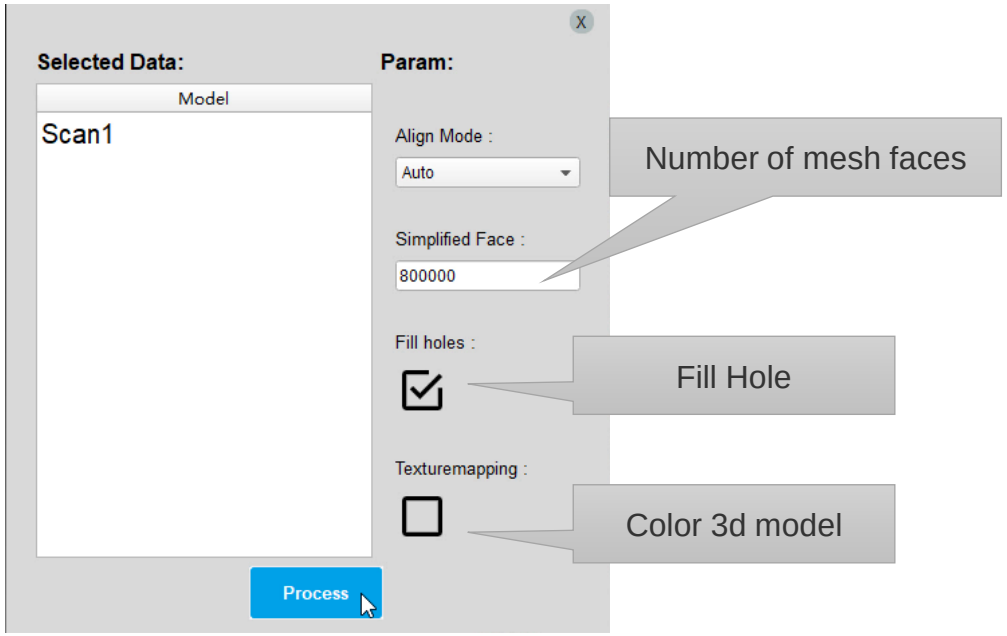
Align the scanned object, adjust the brightness, and keep the object about 700mm away from the scanner



② Finish scanning

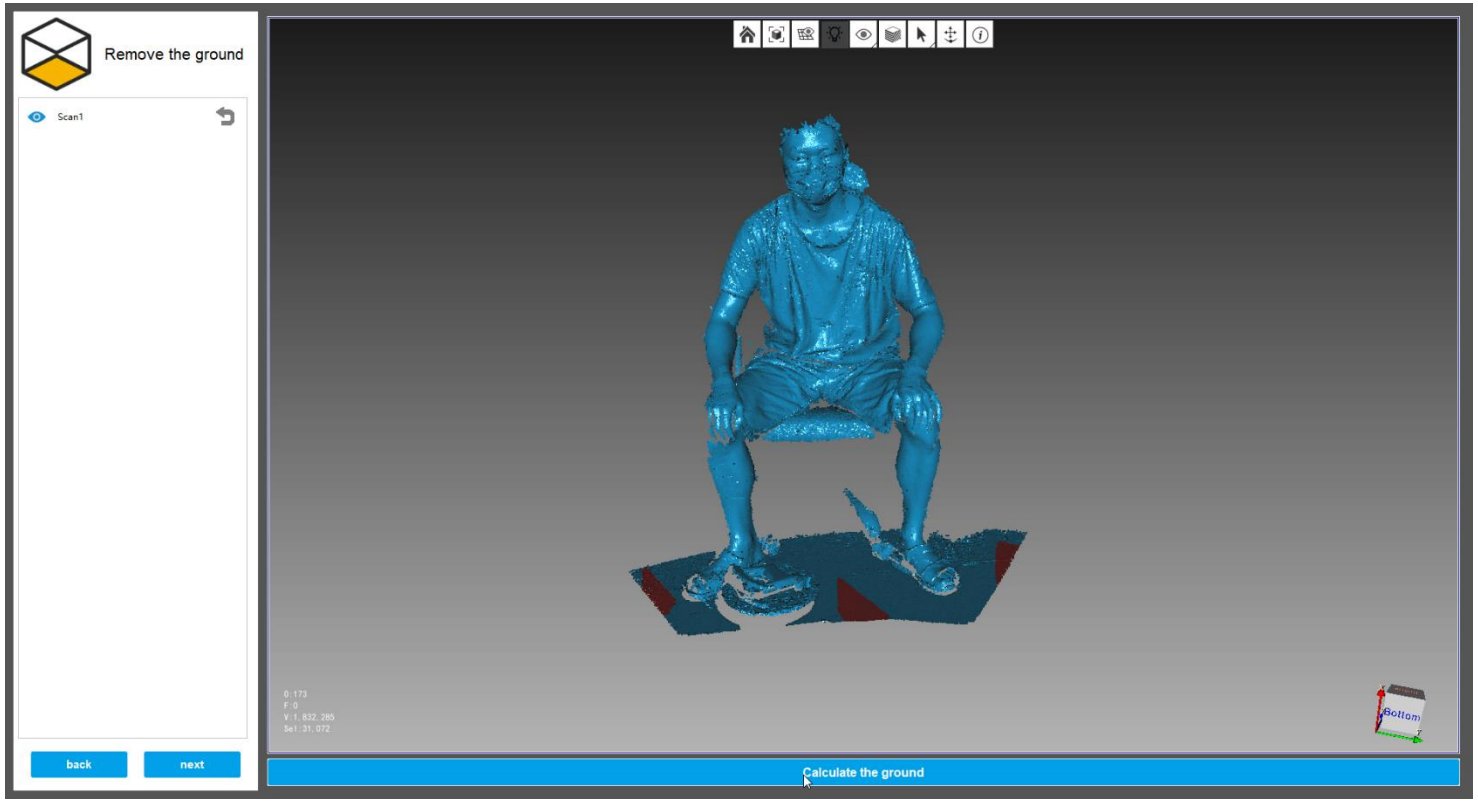
After completing the scan, click “Process” button Start fully automatic data processing.





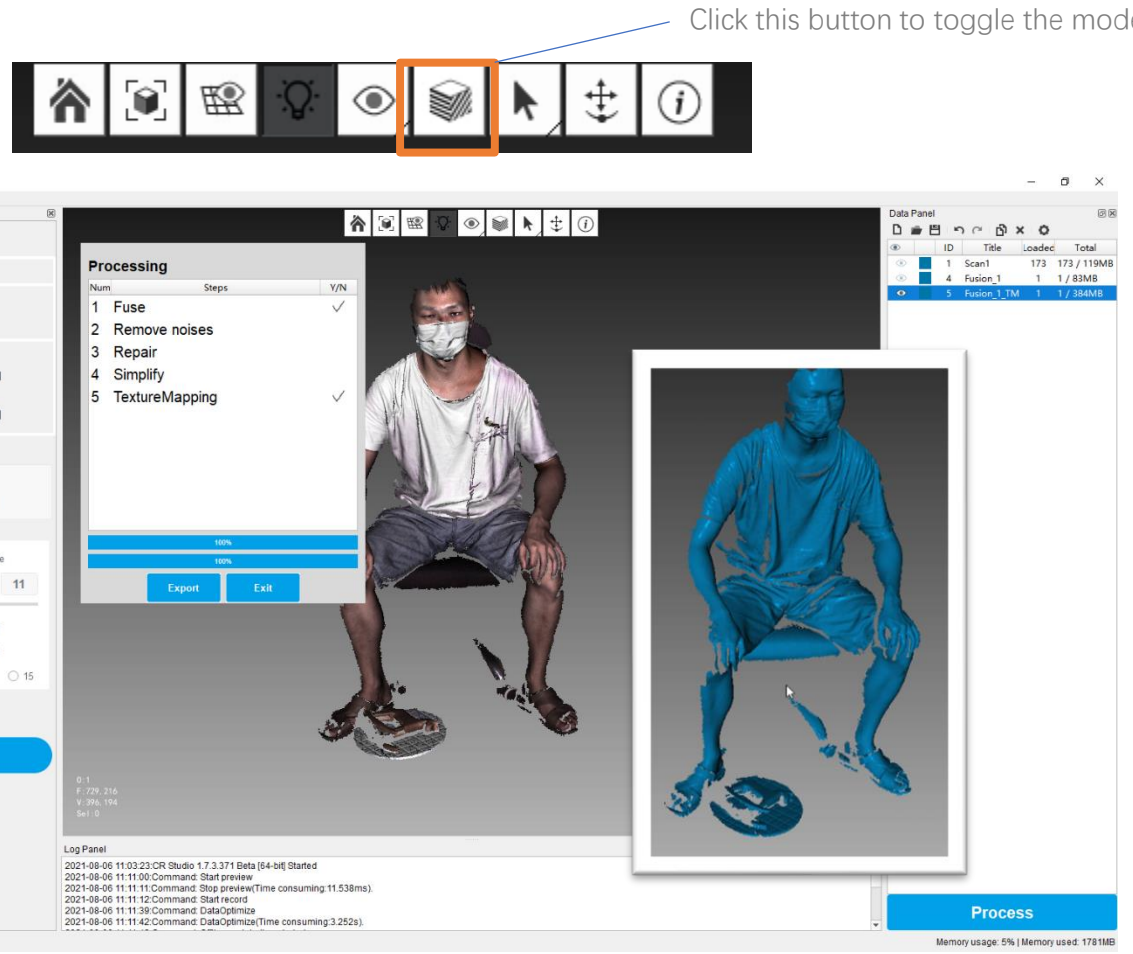
3 Remove base

Semi automatic removal base, Use Ctrl + left mouse button to frame select any 3 base areas, and then click the “calculate the ground” button to calculate the base. At this time, the base turns red. Click “next” button start automatic processing.



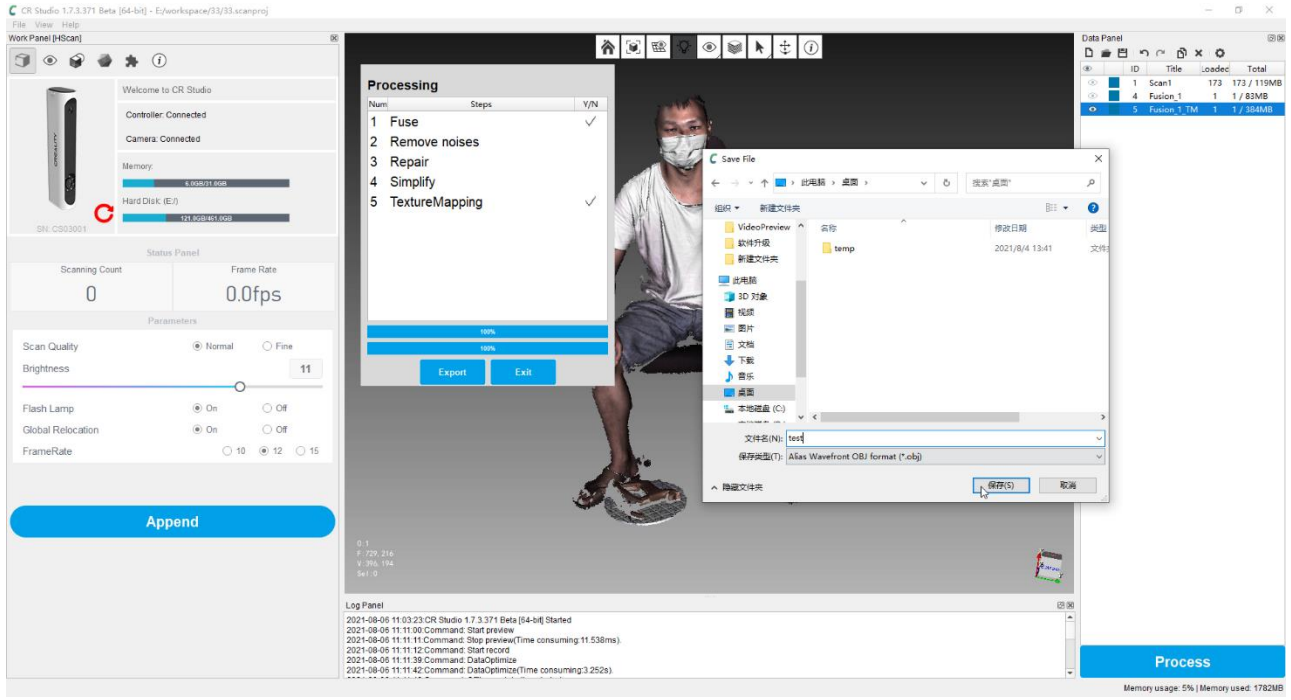
4 Automatic data processing

Click the Process button and the data will be processed automatically and textures will be applied.



8 Data Export

After the automatic processing is completed, click the Export button to export the model data to the specified path.



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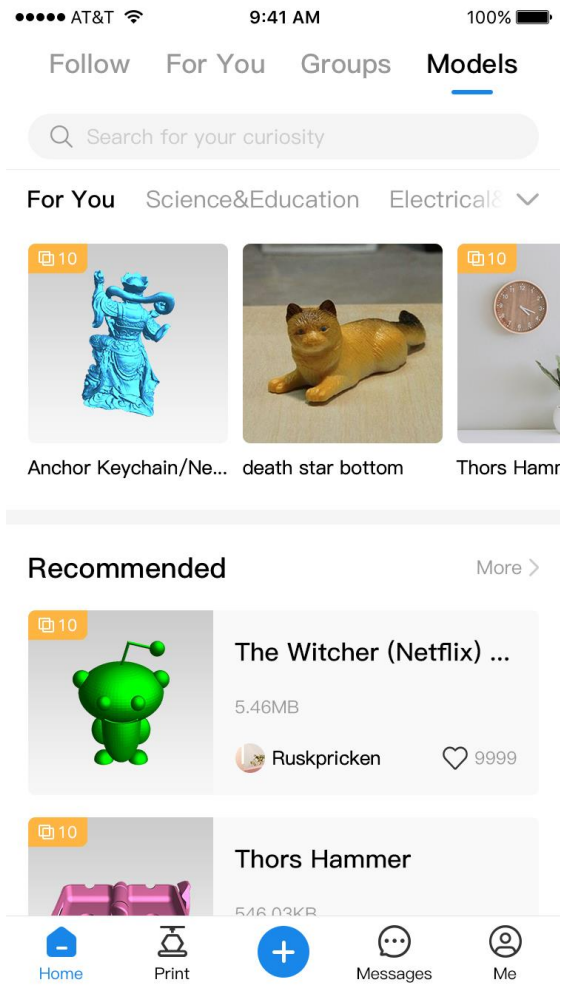
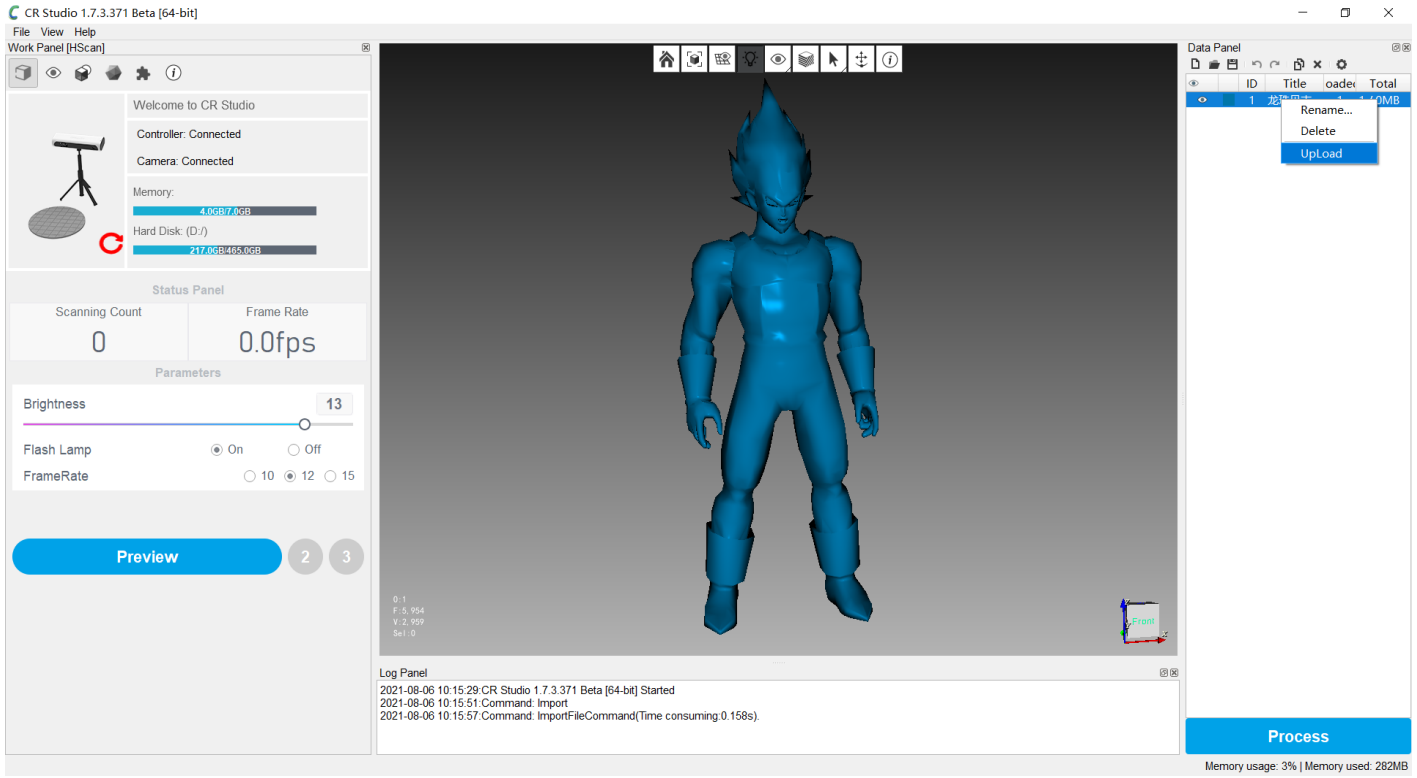
The obj format allows you to get a model with textures

Data upload

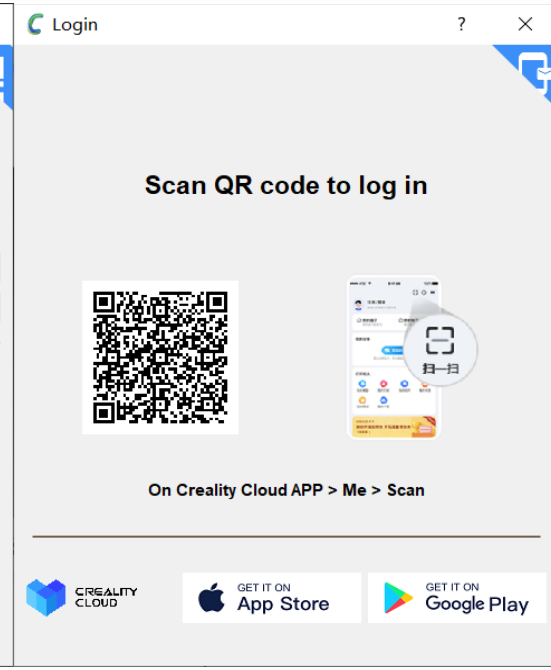
The scanned data can be uploaded to the creality cloud with one click



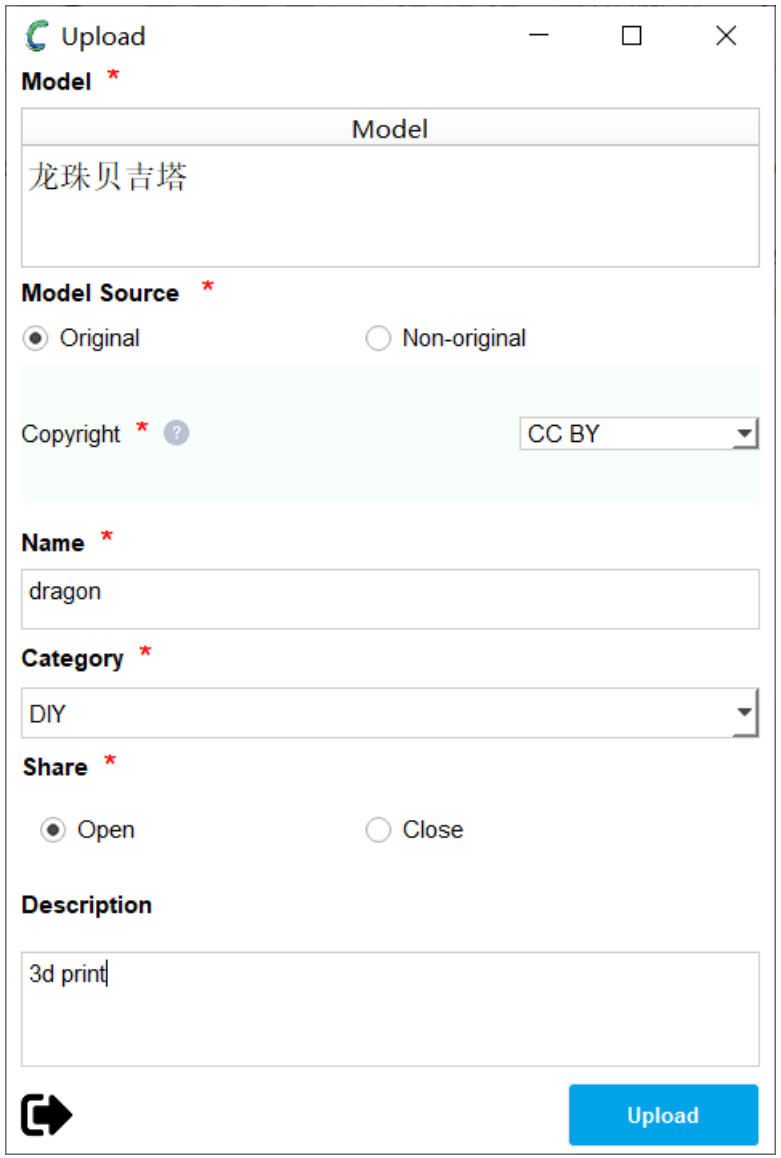
Select the data to be uploaded from the project list and right-click the upload option menu.



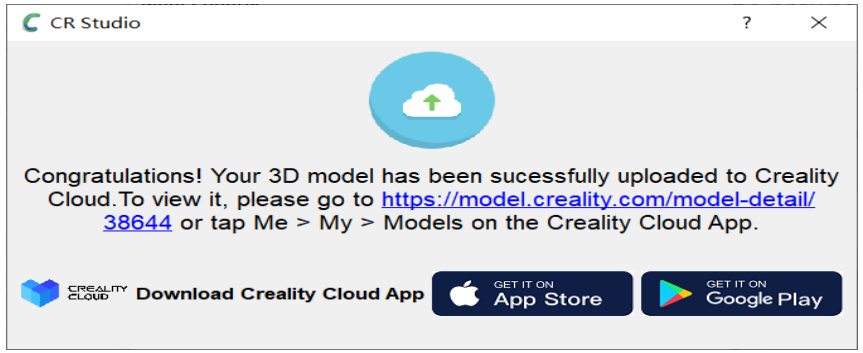
If not logged in, please log in first. Multiple ways to log in and please remember to add the country code before the user name.

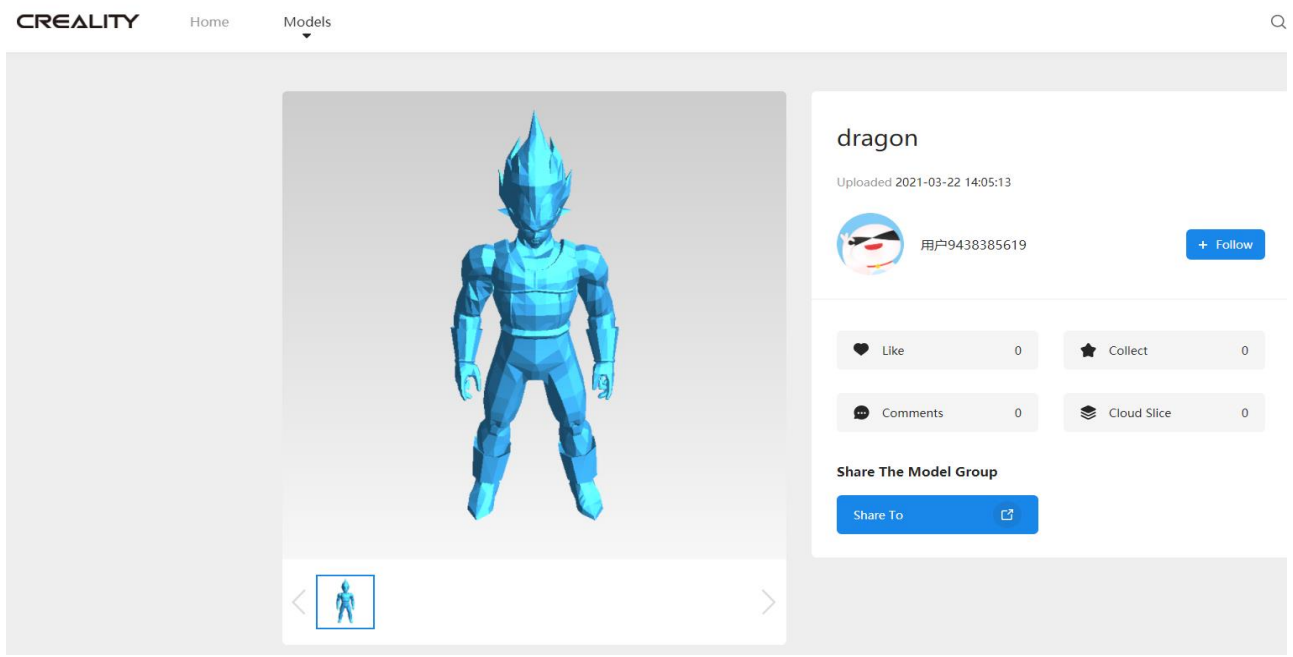


Enter the model group information and click the upload button to upload the data.



After uploading, you can copy the link and connect it to the browser to preview the upload model.





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