CR Studio

Quick Guide

Device unboxing

Host

USB drive

Tripod

Turntable cable

Device Cable

Power Supply

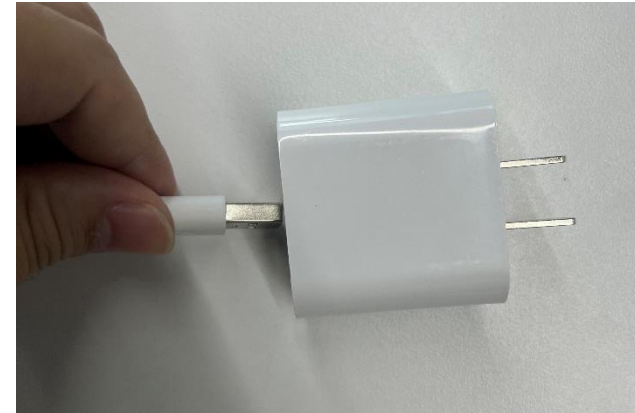Turntable

Turntable surface

Device cable

Align the airline plug of the device cable with the notch of the device jack
To unplug the cable, press and hold the position shown in the figure and pull out the cable directly
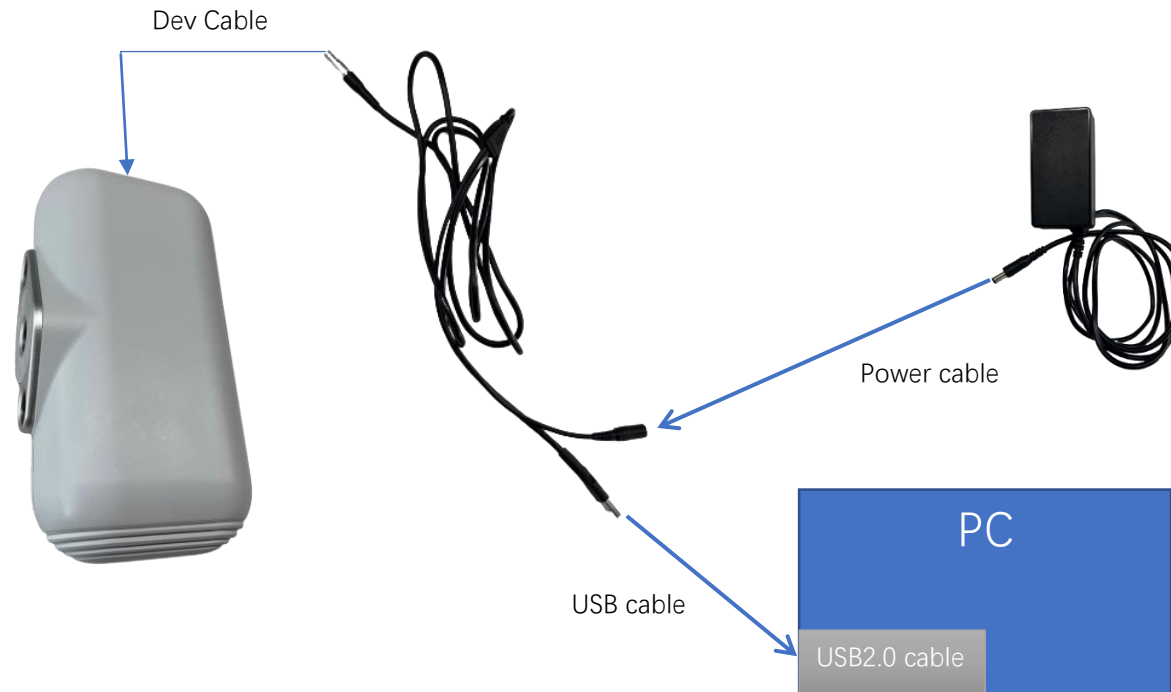
Turntable

The turntable power cord can be plugged into the computer through usb power supply, or use the phone charger for its power supply
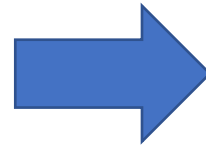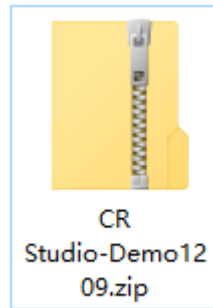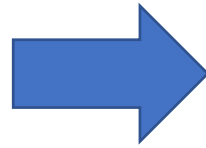
Device Installation

One end of the device is plugged into the navigation plug, and the other side is plugged into the power cord and computer USB 2.0 or above port respectively

Dev Cable

Power cable

USB cable

PC

USB2.0 cable

Software Installation

Unzip the compressed file，Run program "CRStudio.AppLoader.exe"

USB drive

CR Studio-Demo12 09.zip

|				
CRStudio.AppLoader.pdb	2021/12/1 15:07	Program Debug...	4,476 KB	
CRStudio.AppLoader.lib	2021/12/1 15:07	Object File Library	6 KB	
CRStudio.AppLoader.exp	2021/12/1 15:07	Exports Library ...	3 KB	
CRStudio.AppLoader.exe	2021/12/1 15:07	应用程序	3,041 KB	
corrRGB.txt	2021/10/9 11:30	文本文档	75,520 KB	
corr.txt	2021/10/9 11:30	文本文档	25,174 KB	
core_release.dll	2021/10/9 11:30	应用程序扩展	75 KB	
comdrv.dll	2021/5/3 21:47	应用程序扩展	18 KB	
CGAL_ImageIO-vc120-mt-4.9.dll	2021/10/9 11:30	应用程序扩展	126 KB	
CGAL_Core-vc120-mt-4.9.dll	2021/10/9 11:30	应用程序扩展	247 KB	
ceres.dll	2021/10/9 11:30	应用程序扩展	1,491 KB	

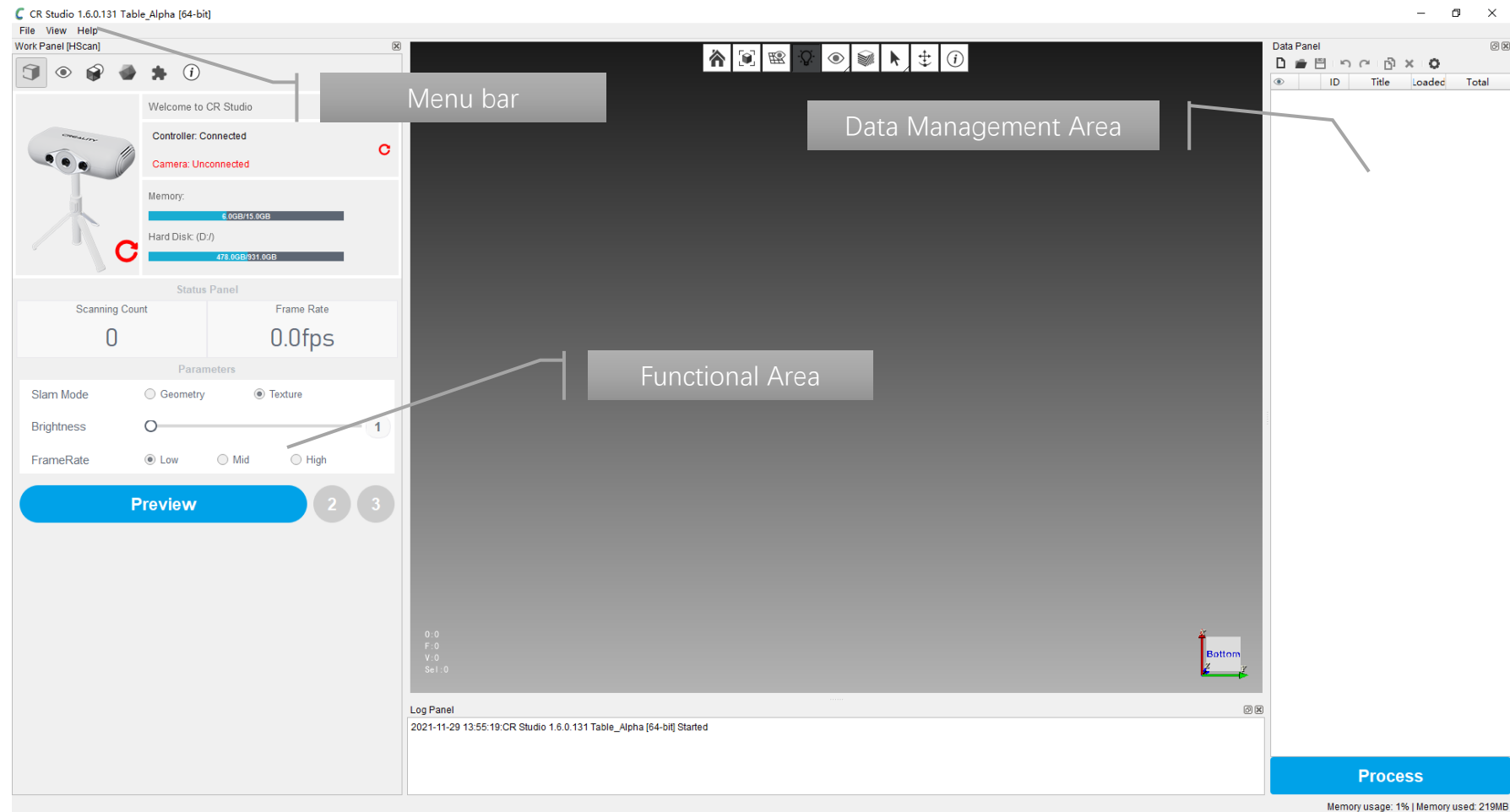# Launch Software

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

Please select scanning mode:

Table Mode

Hand Scan
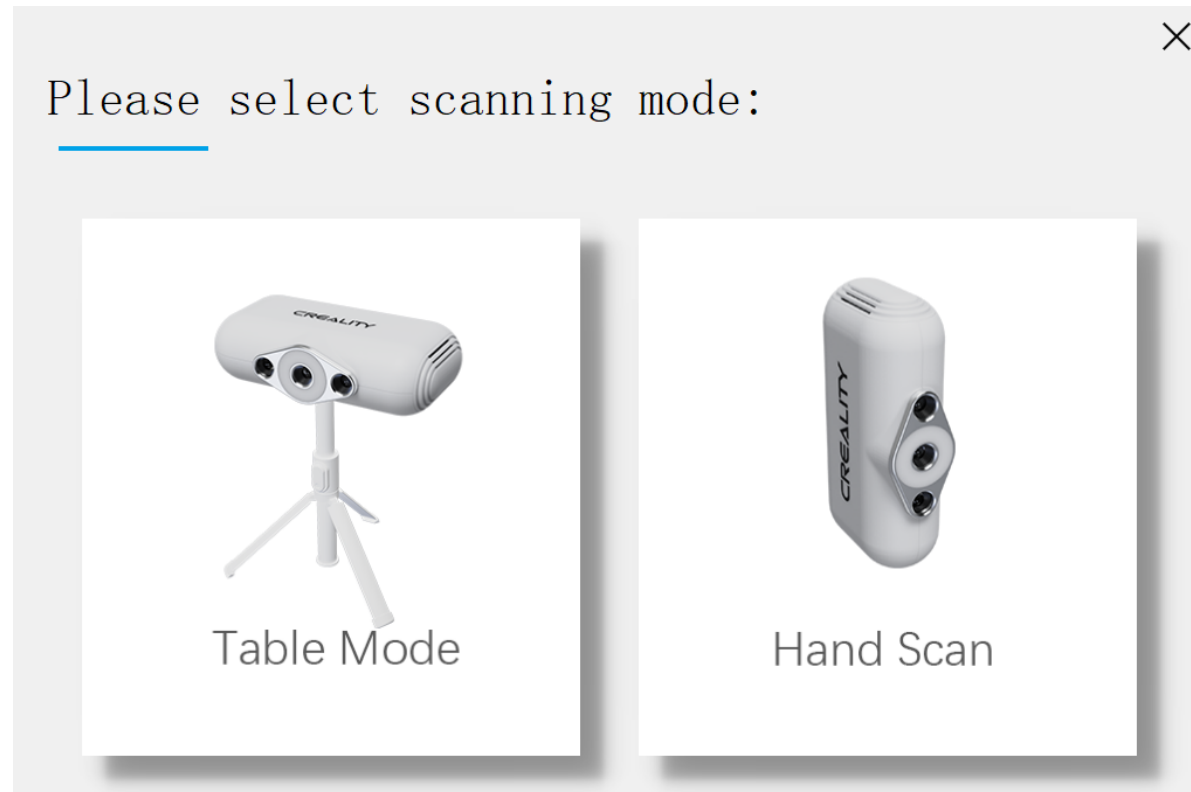
Software Interface

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)
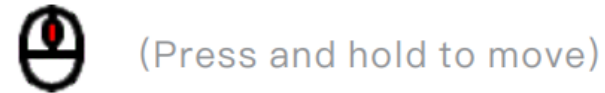
2.2 De–selection model

[Ctrl] **+** [Alt] **+** 🖱

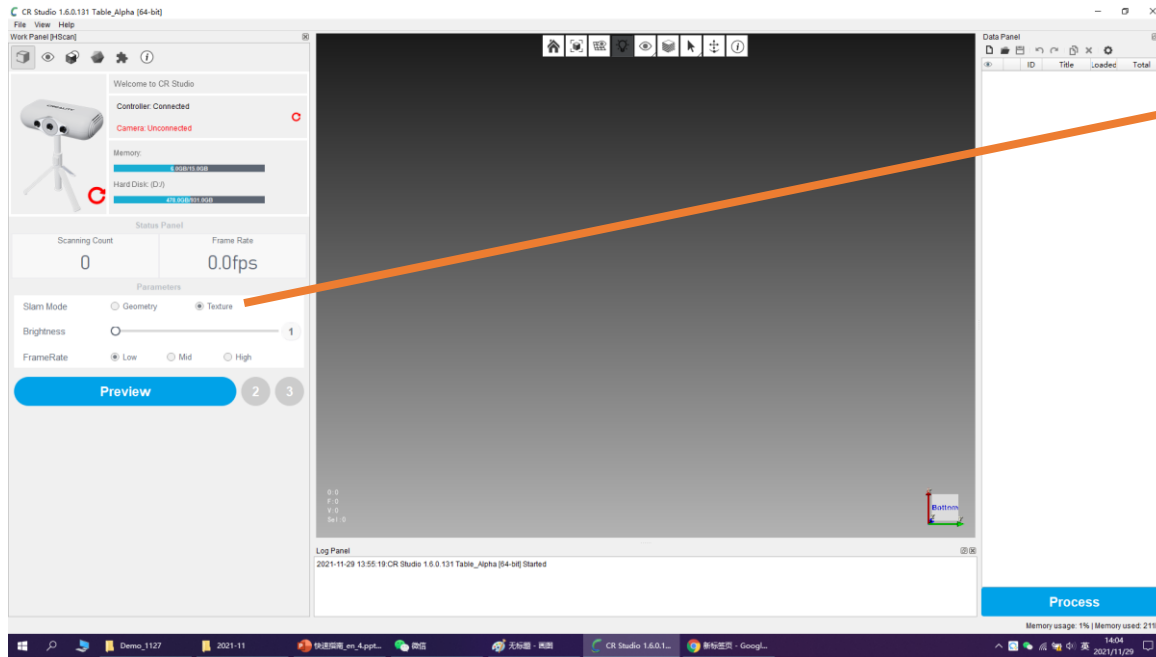(Press and hold to move)

Slam mode

Slam Mode   ⚪ Geometry   ⦿ Texture

Geometric mode, suitable for targets with rich geometric structure

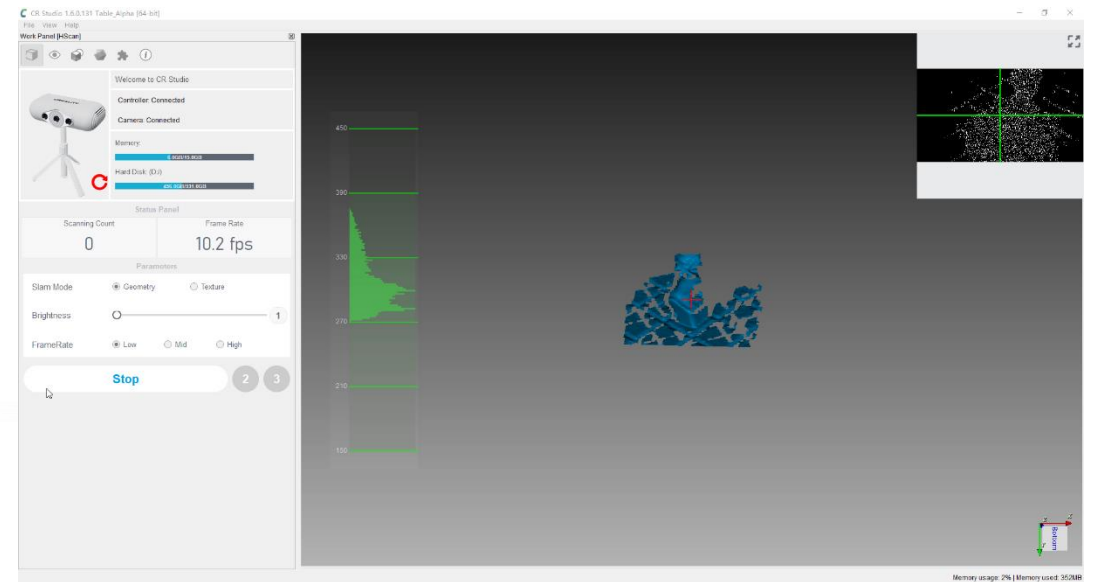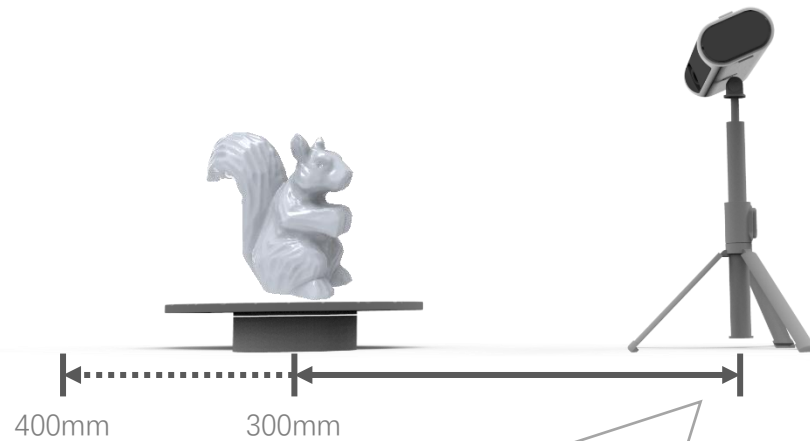Texture mode, suitable for targets with rich Texture structure

Turntable mode

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

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.

White object: Set the brightness to 1
Light object: Set the brightness to 2
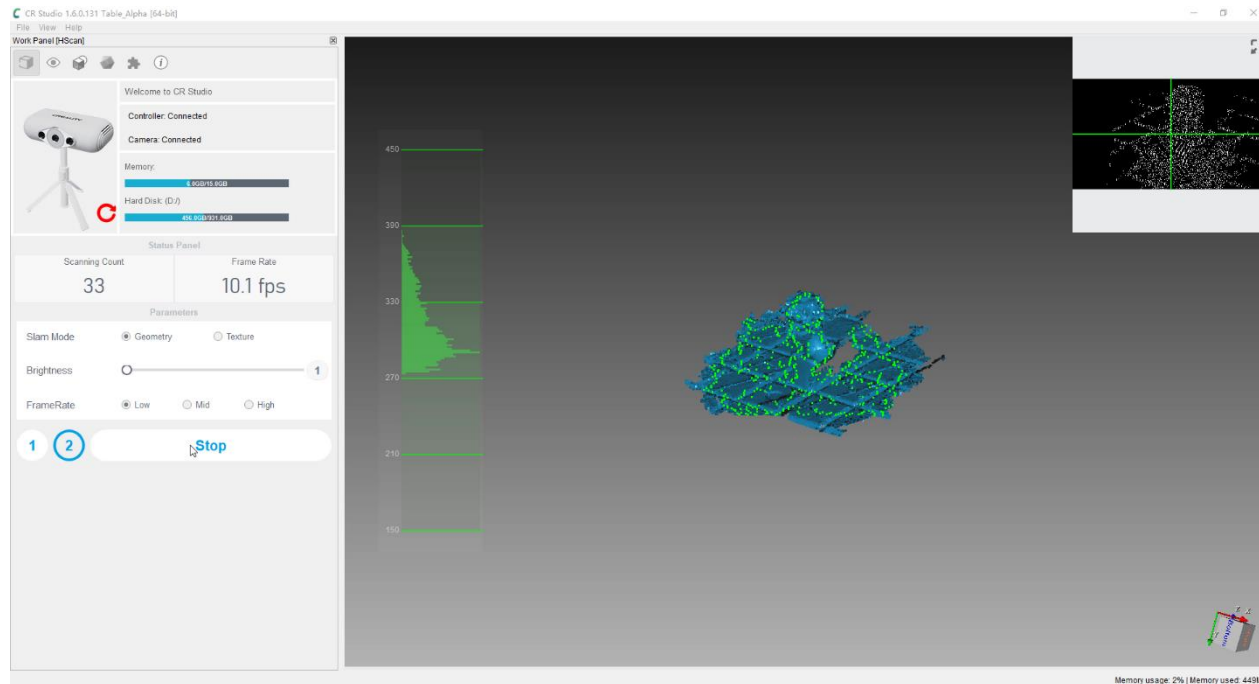Dark object: Set the brightness to 3
Black object: Set the brightness to 4

Initializing the turntable

Scanning of empty turntable, automatic positioning of turntable plane position
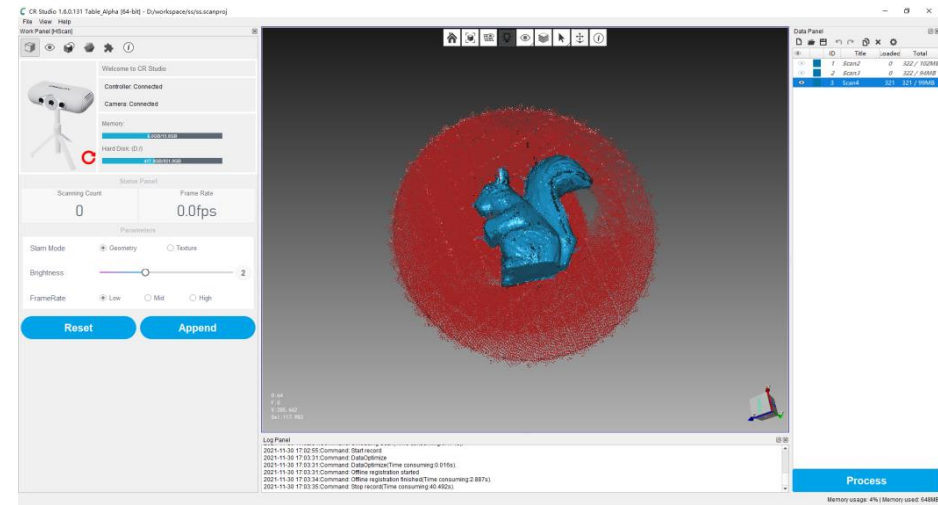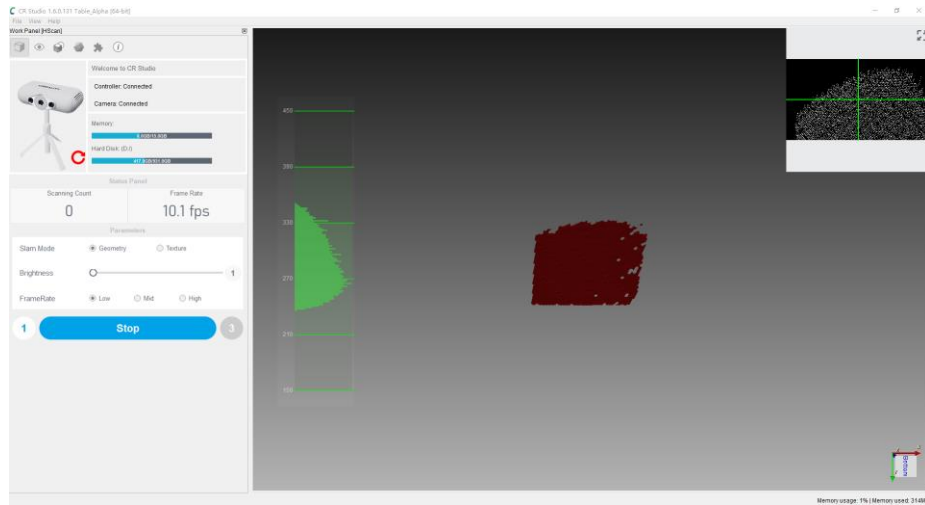
Start scanning

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

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.
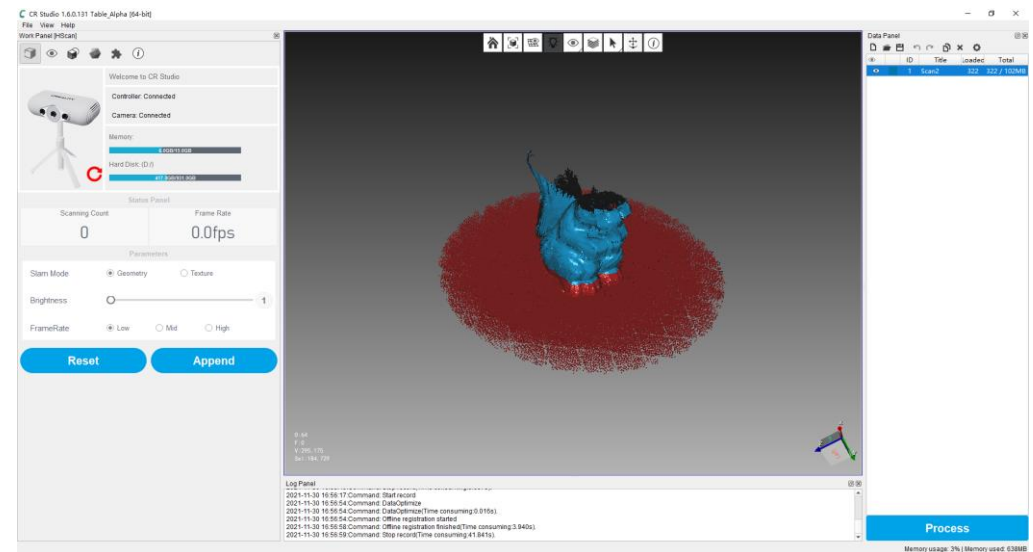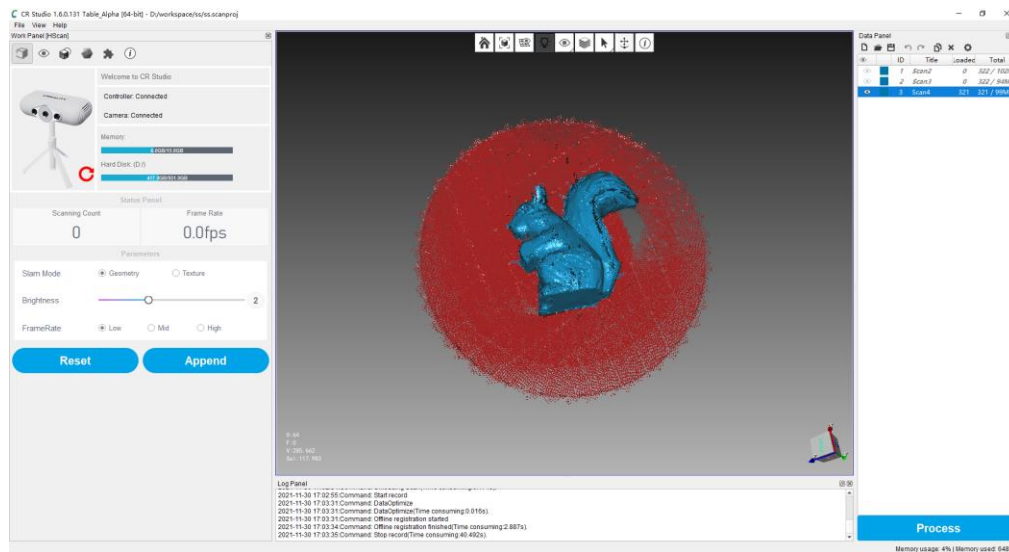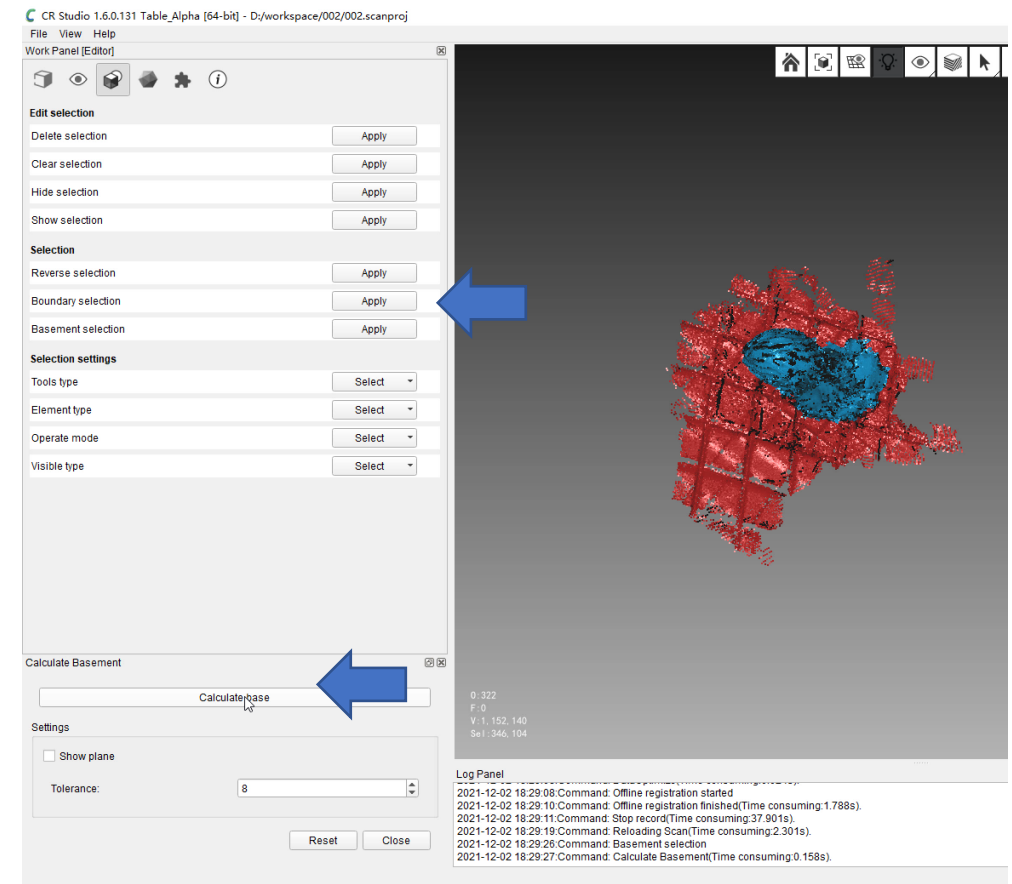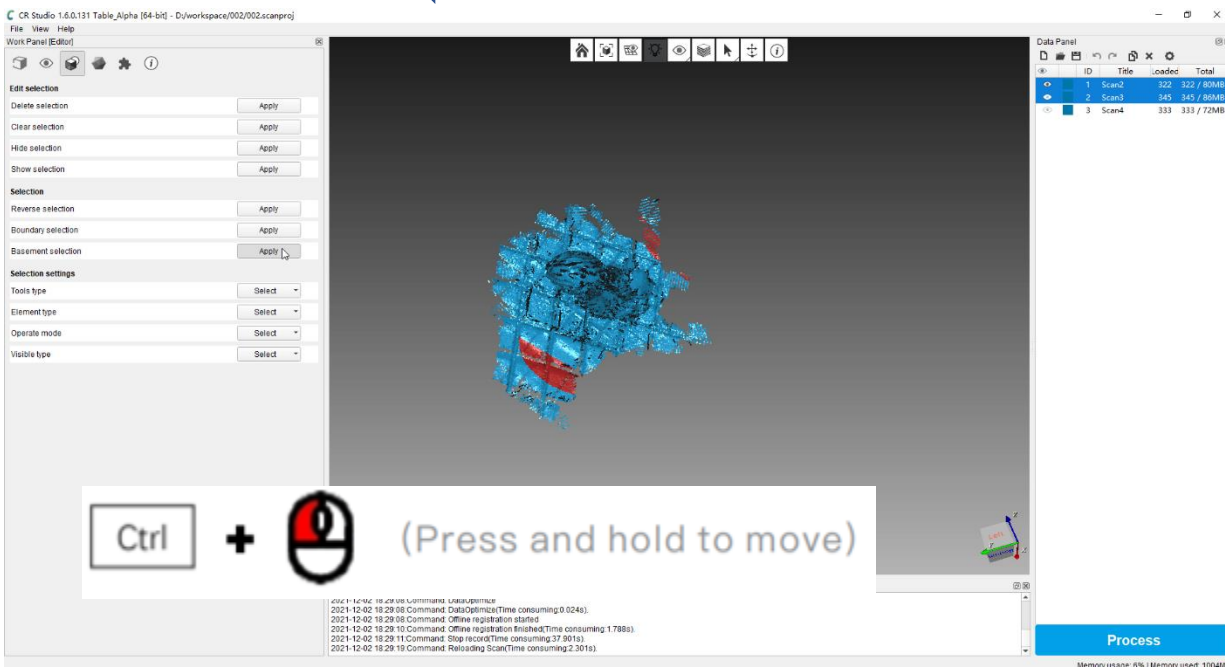
Processing data

Select scanned data for automatic processing.
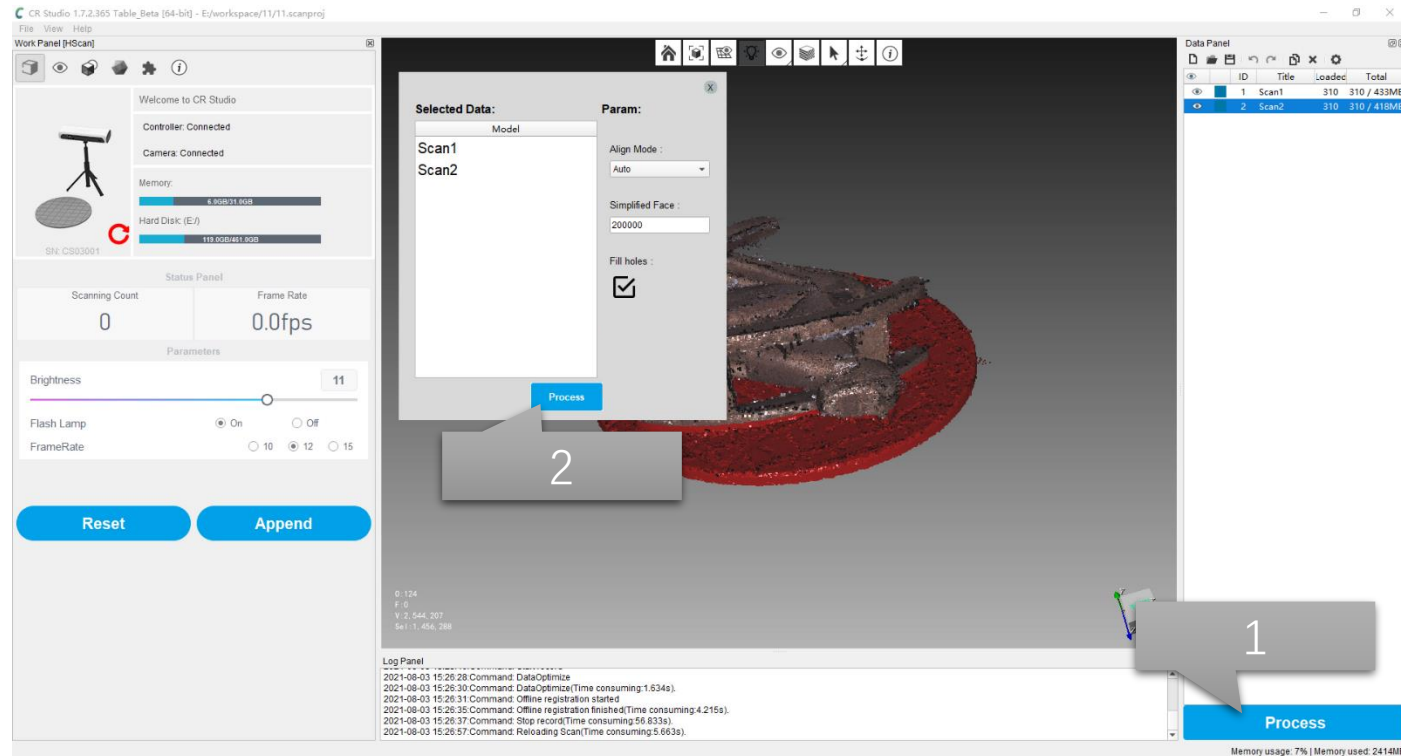
Remove The Base

1. Enter edit mode
2. Hold down the ctrl key, hold down the left mouse button and drag to check the location of the two bases to make them red
3. Click on Basement selection, click on Calculate base
4. Adjust Tolerance, you can adjust the height of the reddening

Start automatic processing

Select scanned data for automatic processing.

Automatic alignment

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

Manual alignment

If the results are aligned, click Next
Otherwise enter manual alignment mode

Manual alignment

Manual alignment, first drag the models of different poses apart and adjust the angle

Manual alignment

To start manual point selection, first select manual mode, then create the same point pair, then right mouse button to select points. Select at least 3 pairs of points

Complete processing

Automatic completion of all model processing and export of results data

Handheld mode

Handheld mode allows flexible scanning of objects of different sizes

Scan Object
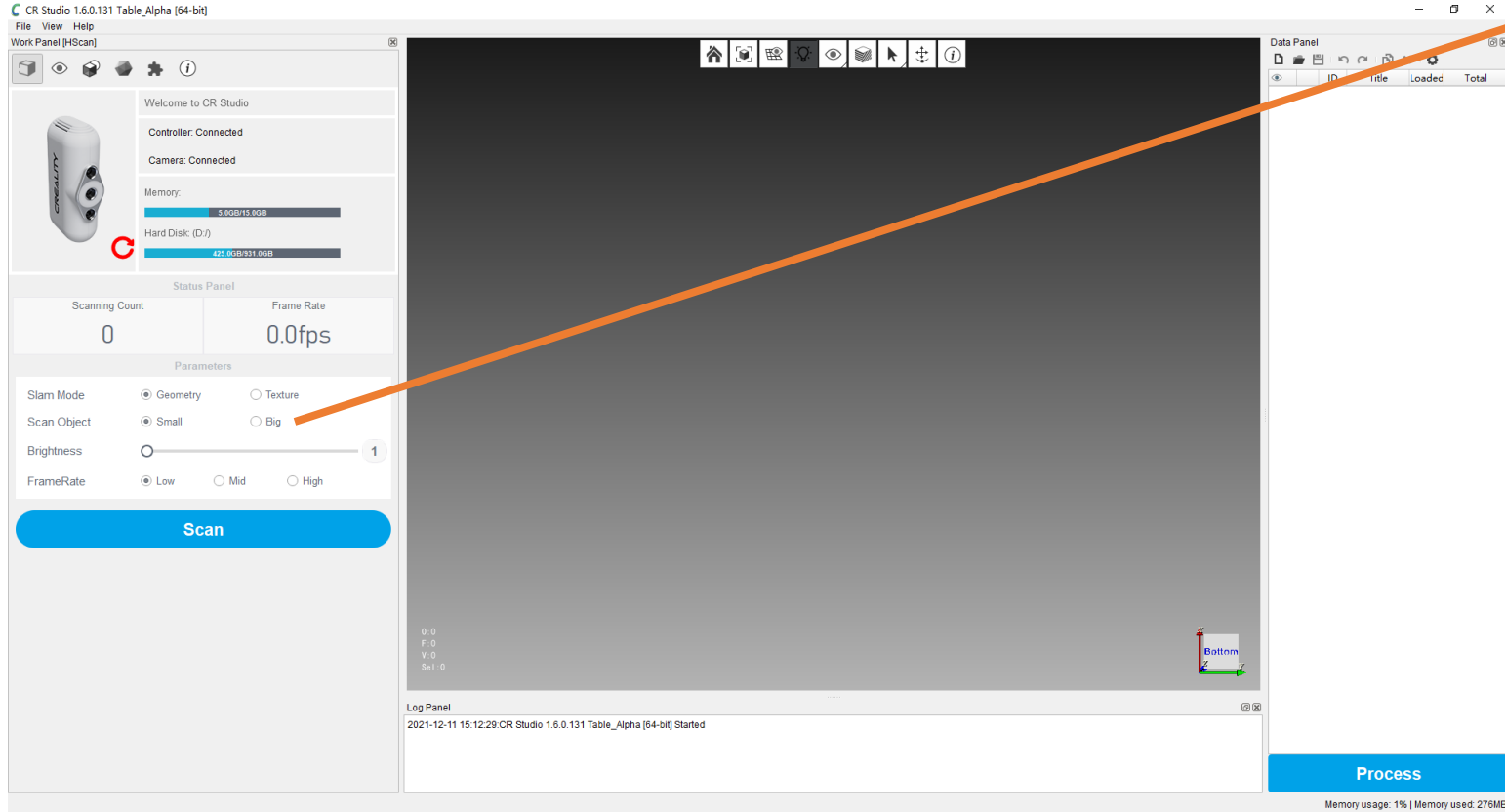
Scan Object   ⦿ Small   ◯ Big

Small：≤500mm Object

Big：＞500mm Object

Start scanning

When previewing the countdown, focus on the object and keep a good angle
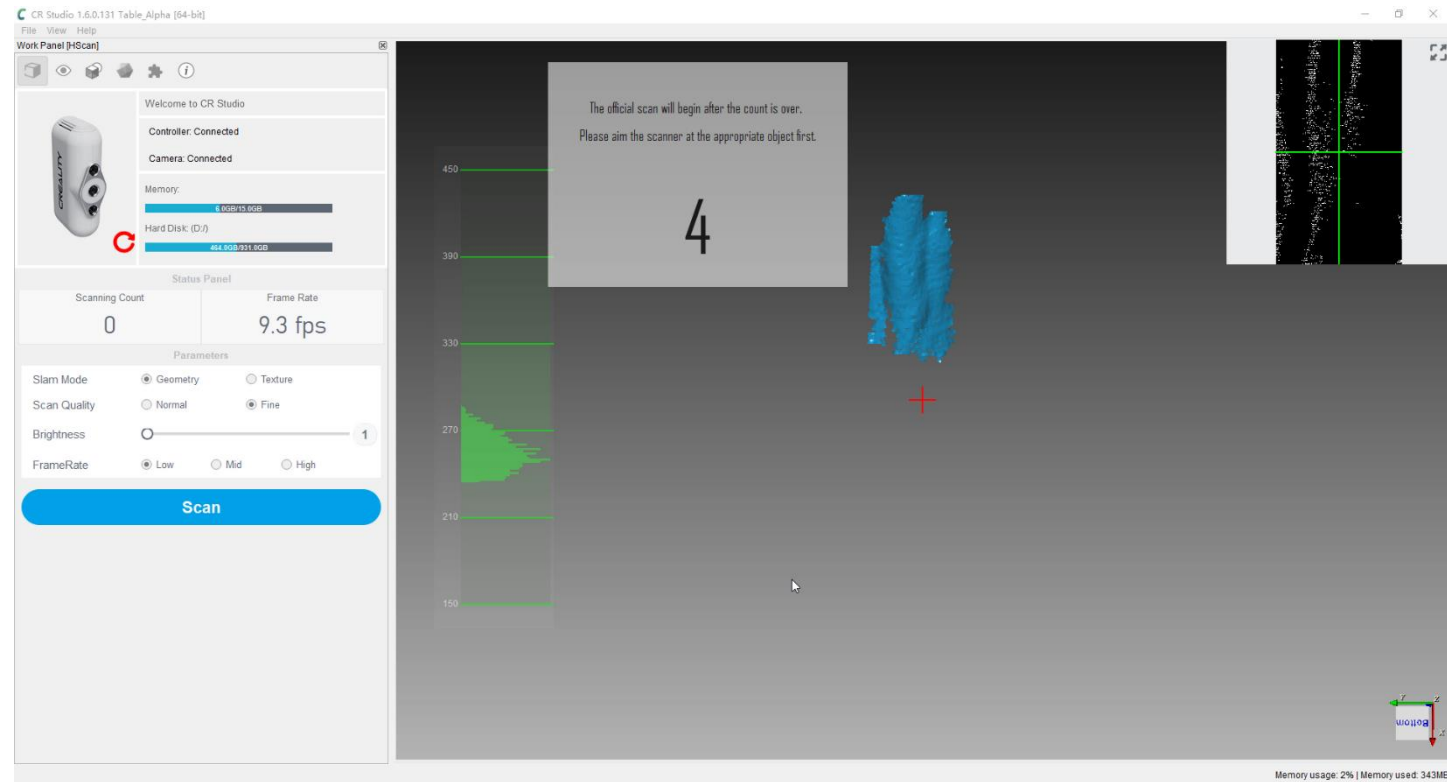
Start scanning

After you start scanning, try to keep the maximum scanning area to move. After a scan is lost, you can perform a global power-off renewal scan by scanning the previously scanned position
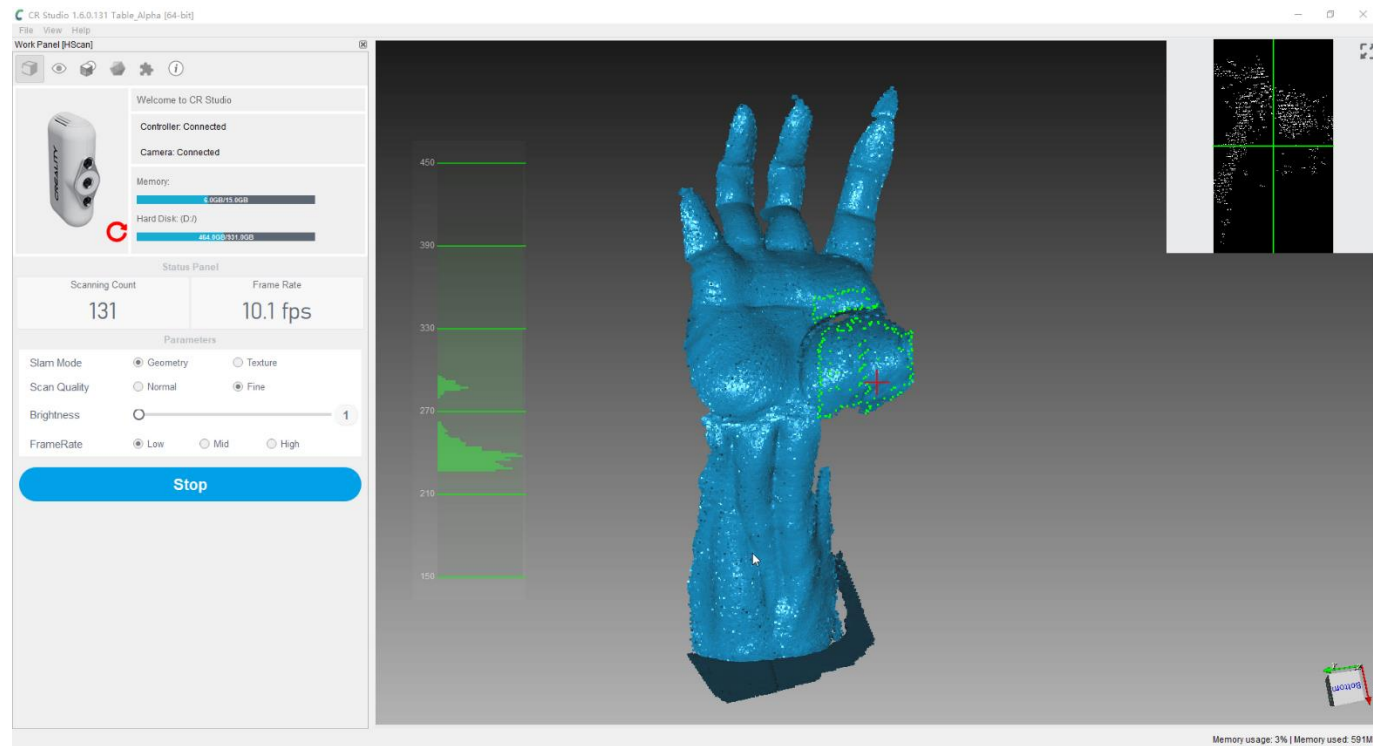
Finish scanning

After completing the scan, click "Process" button Start fully automatic data processing.
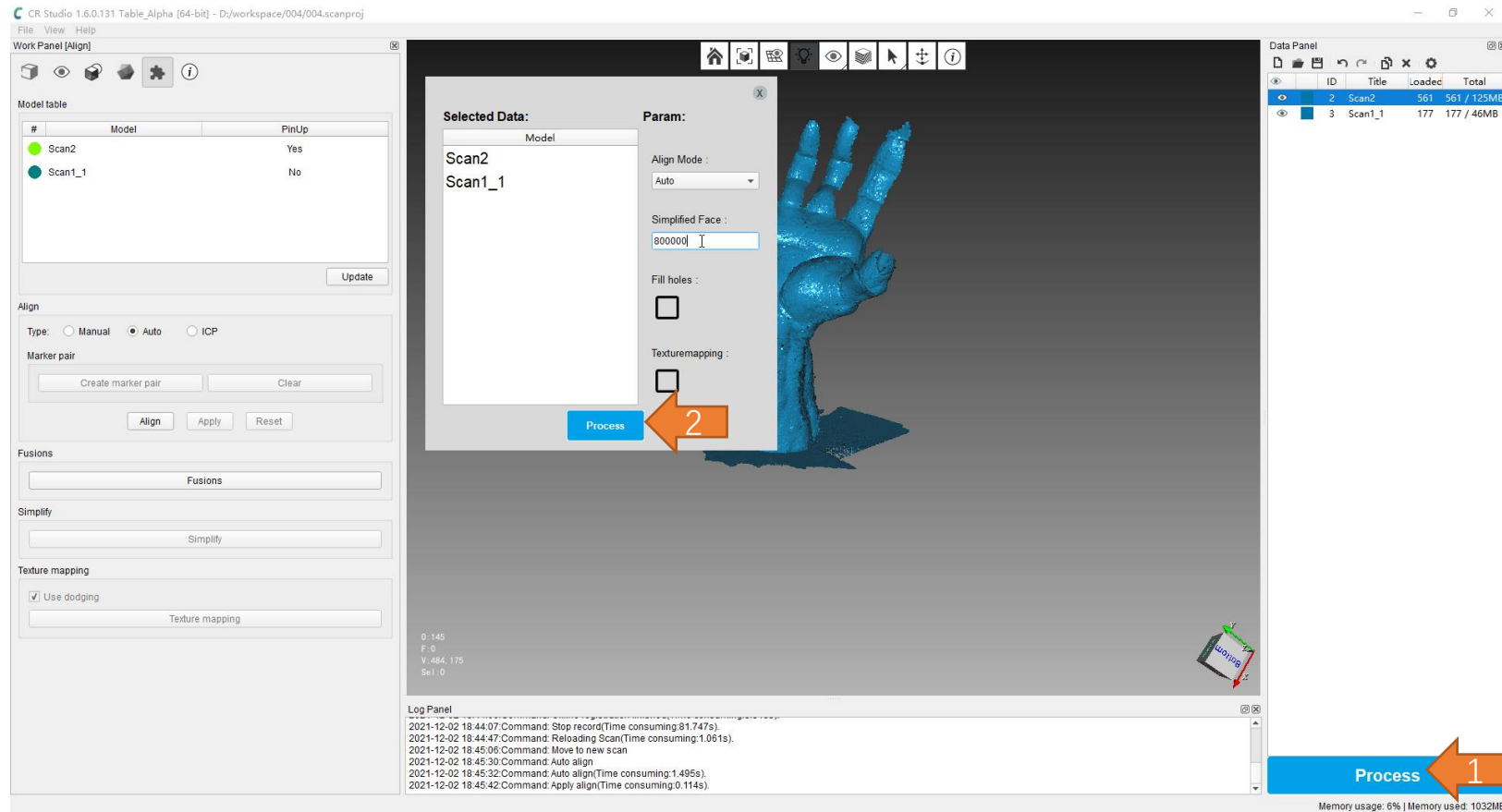
Automatic data processing

Click the Process button and the data will be processed automatically.
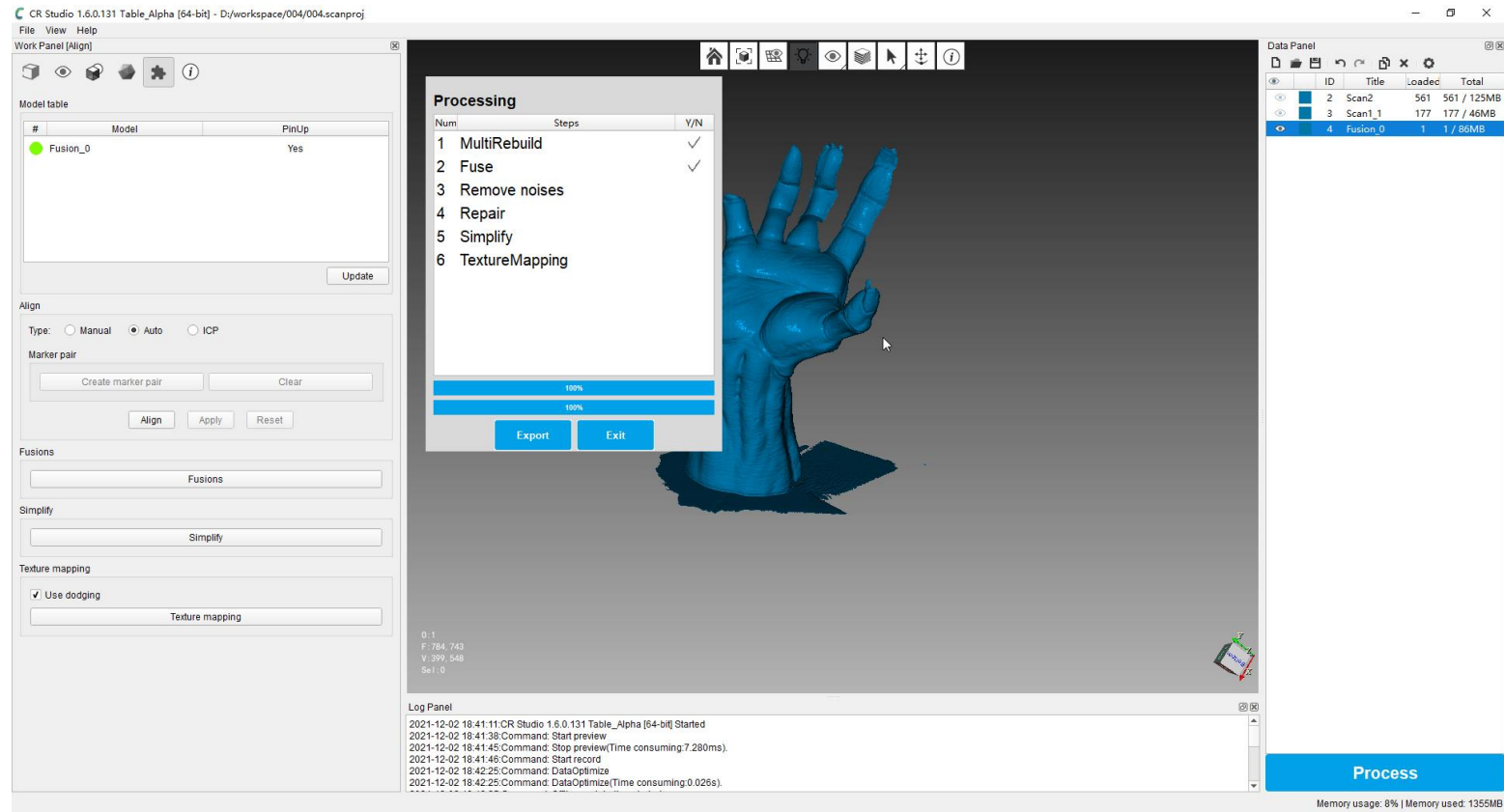
Fully automated color texture mapping suite Released in March 2022

With the camera/handset and scanner mount + camera controller + light box in the kit.

You can fully automate the process of mapping high-definition color photos taken by the phone/camera onto the 3D model to create a **high-quality color model**.

iOS

OR

ANDROID

佳能 CANON
60D、70D、100D、300D、350D、400D、450D、500D、550D、600D
、650D、700D、1000D、1100D、1200D、2000D、80D
G1X、G3X、G10、G11、G12、G15、SX50、SX60 M5、M6、Eos R/RP

宾得 PENTAX
K3、K5、K5 2代、K7D、K10D、K20D、K30、K100D、K100DL、K110D、
K200D、IST-D、IST-DL、IST K100D、MZ-6、ZX-L、MZ-L、K-5 IIS

C1

佳能 CANON
10D、20D、30D、40D、50D、5D、5D2、5D3、5DsR、6D、7D、
1D/1Dx、1DsMark3、1DsMarkIV、1vEos-1v
1DXII、5D4、6D2、7D2 、EOS R5

C3

尼康 Nikon
D100、D200、D300、D300s、D700、D800、D810、N90s、D1系列、
D2系列、D3、D3s、D3x、D4、D4s、D1H、D1X、D2、D2H、D2X、
D2XS、D2HS、F5、F6、F90、F90x、F100 D850、D5

N1

尼康 Nikon
D600、D610、D750、D90、D3100、D3200、D5000、D5100、D5200
、D7000、D7100、DF D7500 Z6、Z7

N3

索尼 Sony
a100、a200、a300、a350、a550、a700、a900
a33、a35、a55、a65、a77、a99

S1

索尼 Sony
a7、a7r、a7s、a3000、a5000、a6000、a58、HX400、HX300、HX50
、HX60、RX100M2 a9、a73、a7r3、a7m3、a7m2（A7系列通用）

S2

富士 FUJIFILM
X-PRO2、X70、X-T1、X-T10、X100T、X-A2、X-M1、XQ2 、
X-E2
X-T2、X-T20、X-A10、X-A3、X100F、X30、XQ1、Finex S1

松下 Panasonic
DMC-FZ200/20/150/20k/20s/30/30K/30s/50k/50s/50/100
DMC-GH4/GH3、DMC-GX7、LC-1、L1、L-10、DMC-G1/G2/G3/G10、
DMC-GH2、DMC-GF1

P1

徕卡 leica
DIGILUX 3、DIGILUX 2、V-LUX1、V-LUX2

奥林巴斯 Olympus
E-620、E-600、E-550、E-520、E-450、E-420、E-410、E-100、E-30、
E-PM1、E-M5
E-PL2、E-PL3、E-P3、EP-2、EP-1
SP-590UZ、570UZ、565UZ、560UZ、550UZ、51-UZ、810UZ、SZ-30MR
SZ-20、SZ-11、XZ-1

O1

CREALITY