Noura 3D Scanner

Calibration

Version 1.0 | 6/24/2026

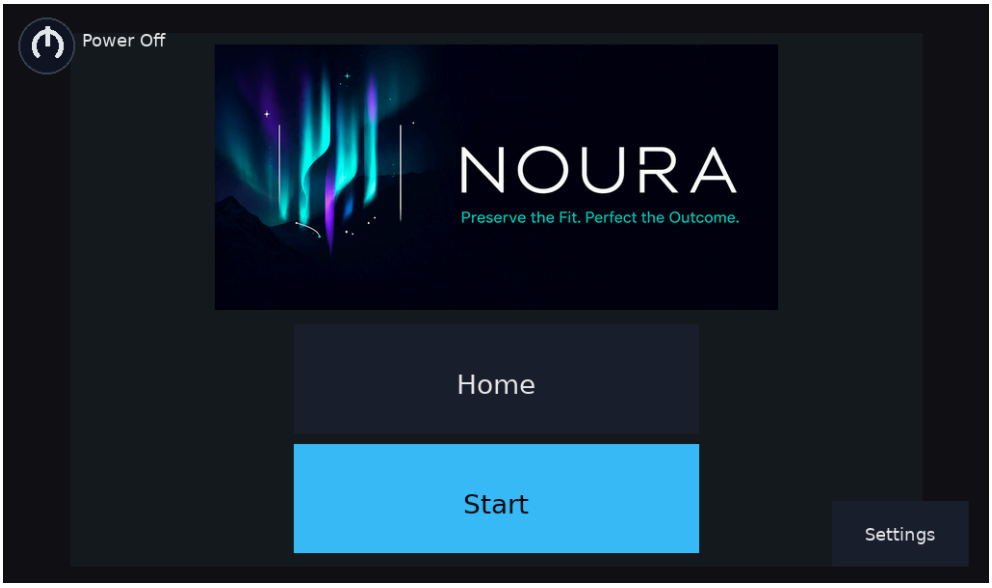
Preserve the Fit. Perfect the Outcome.

1. **Determine your calibration method**
    a. Calibration Cup skip to step 3

    b. Calibration Board (only for older models prior to July 2026)

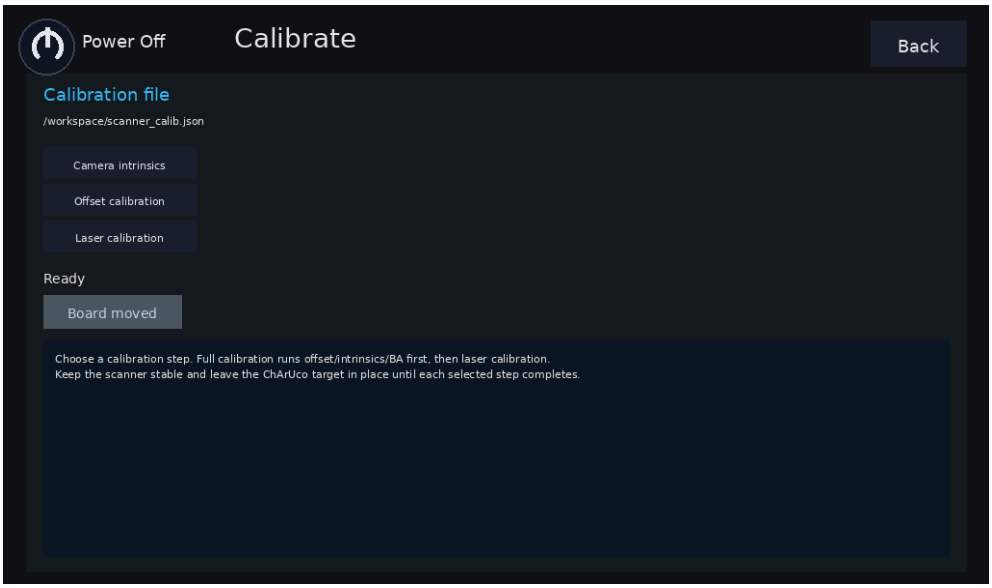
2. Home the machine

a. From the main screen, click on the Home button

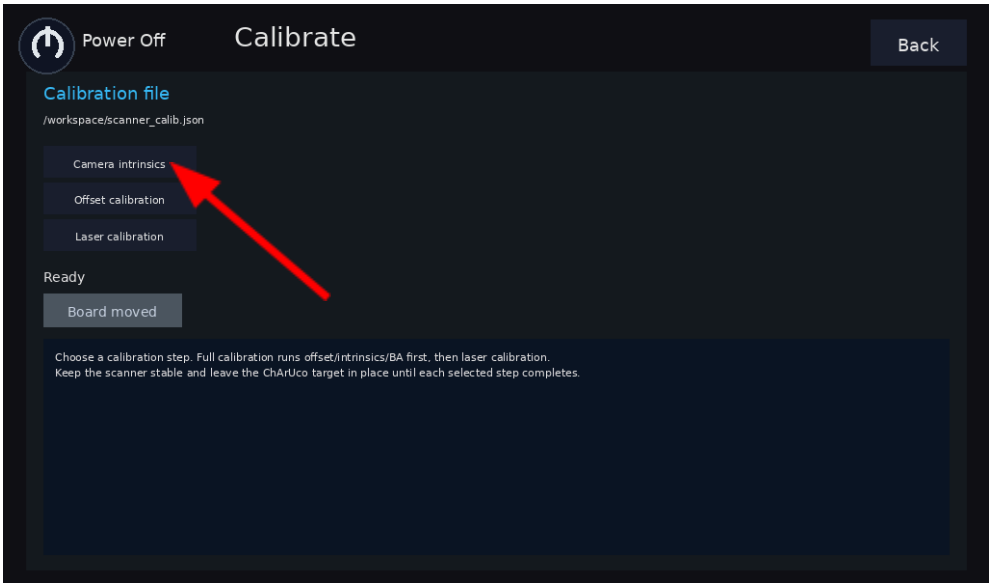


b. Click on Settings in the bottom right corner

c. Click on Calibrate in the bottom right corner

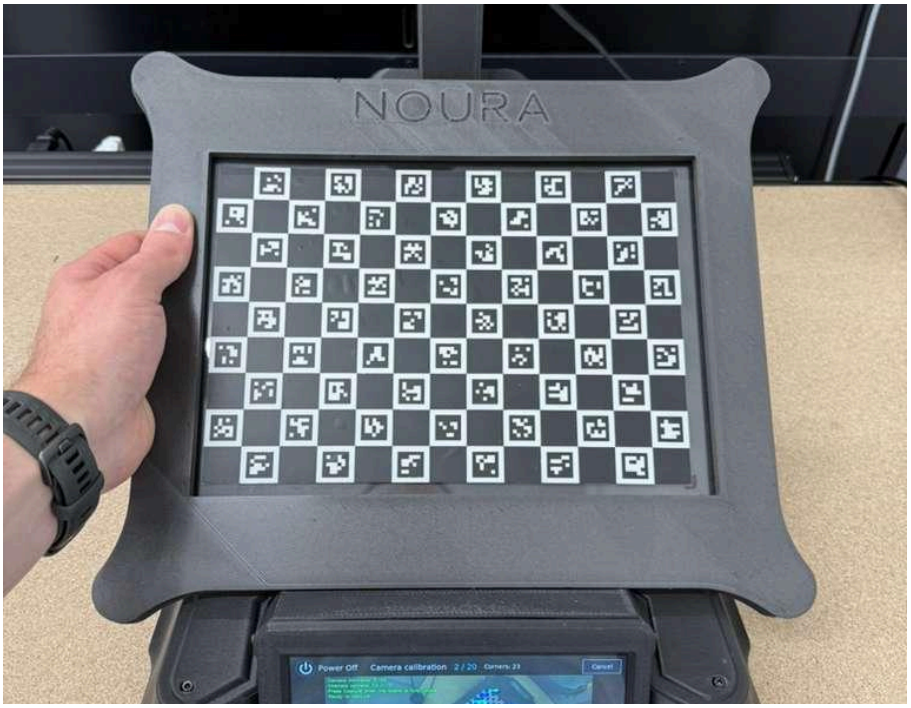


d. For the Calibration Board, please place the board flat on the middle of the platform as shown above and click on **Camera Intrinsics**. This will begin the first part of the camera calibration.

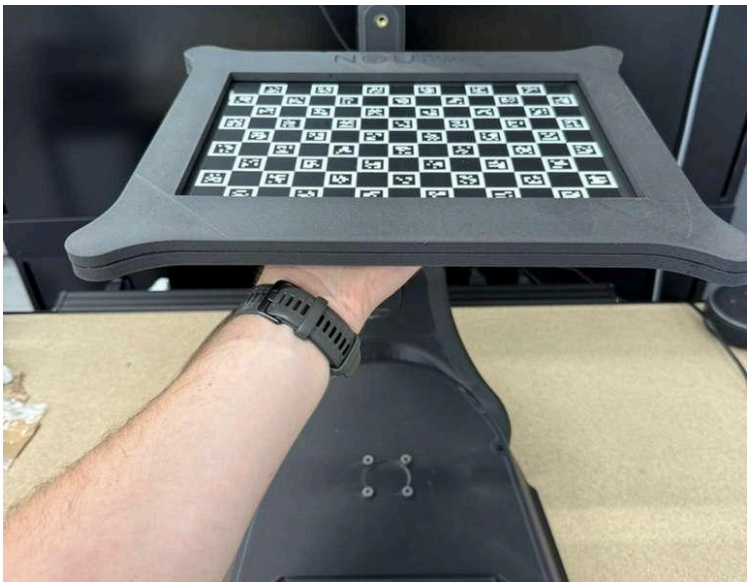


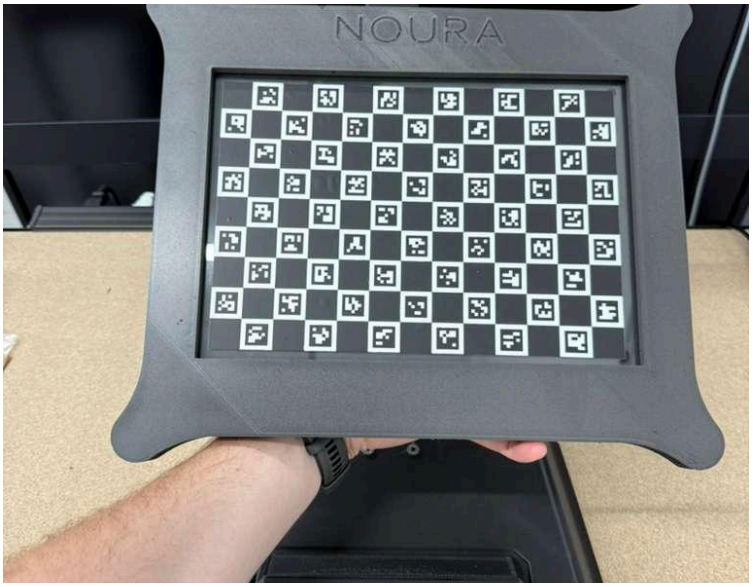
e. You will then see this screen appear after the camera initializes. You will notice if you move the calibration board out of view, that there is a message at the bottom of the screen telling you to put the board back into view. You will also notice a counter of “0/20” and a green Capture button in the bottom right corner.

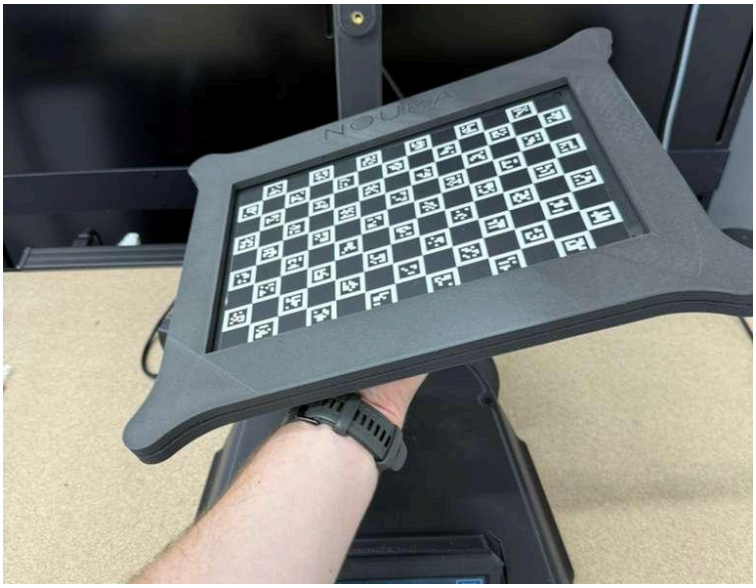
f. Next, you will click on the green Capture button when the board is in different angled positions as such:
   i. Flat - on base (Capture, 1)
   ii. Angled Front - on base (Capture, 2)
   iii. Angled Back - on base (Capture, 3)
   iv. Angled Left - on base (Capture, 4)
   v. Angled Right - on base (Capture, 5)


NOURA
Power Off
Camera calibration 2 / 20
Cancel

vi. Flat - lift up to threaded inserts (Capture, 6)
vii. Angled Front - lift up to threaded inserts (Capture,7)
viii. Angled Back - lift up to threaded inserts (Capture, 8)
ix. Angled Left - lift up to threaded inserts (Capture, 9)
x. Angled Right - lift up to threaded inserts (Capture, 10)

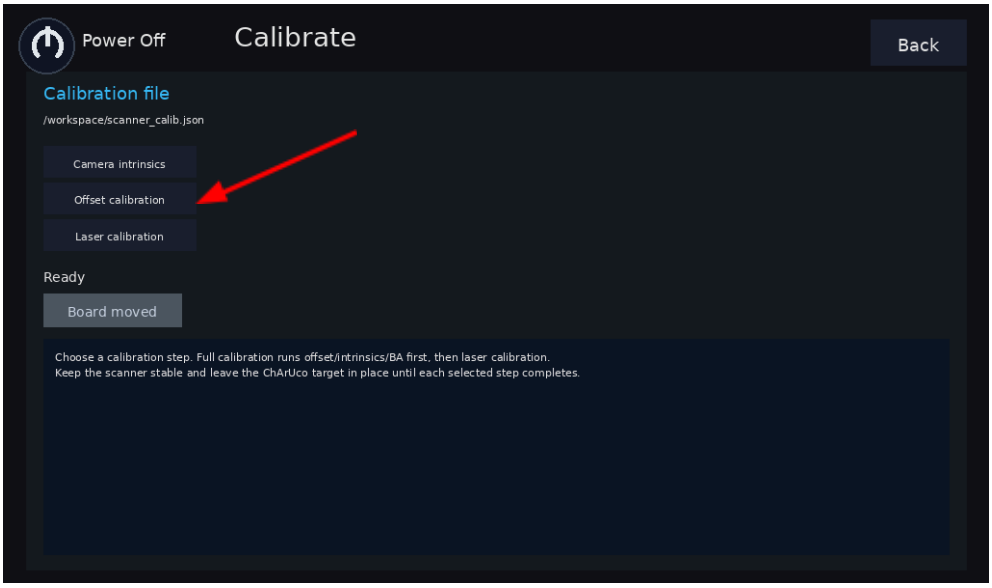






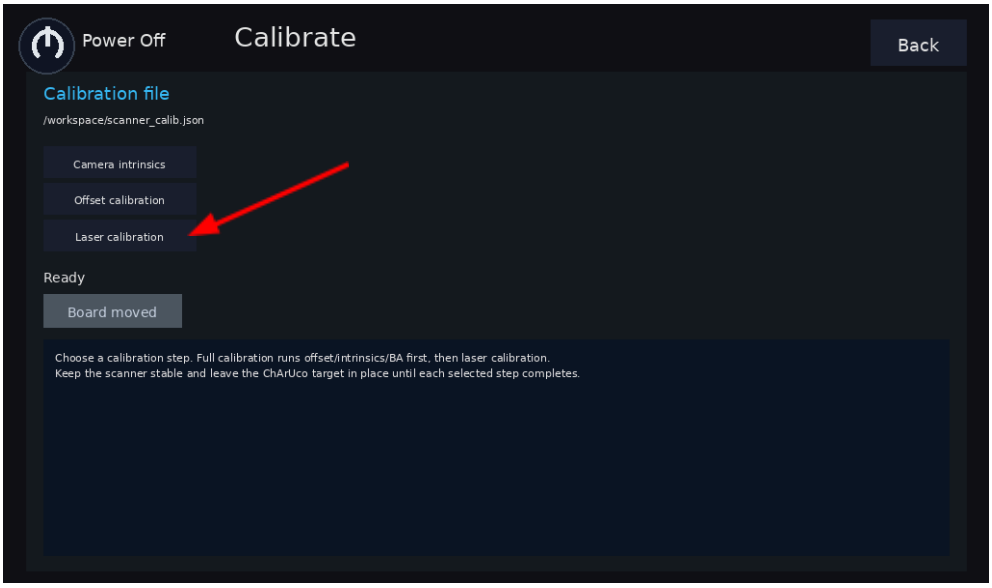
xi. Flat - lift up past threaded inserts (Capture, 11)
xii. Angled Front - lift up past threaded inserts (Capture,12)
xiii. Angled Back - lift up past threaded inserts (Capture, 13)
xiv. Angled Left - lift up past threaded inserts (Capture, 14)
xv. Angled Right - lift up past threaded inserts (Capture, 15)
xvi. Flat - hold right under the scanner head by 2in (Capture, 16)
xvii. Angled Front - hold right under the scanner head by 2in (Capture,17)
xviii. Angled Back - hold right under the scanner head by 2in (Capture,1 8)
xix. Angled Left - hold right under the scanner head by 2in (Capture, 19)
xx. Angled Right - hold right under the scanner head by 2in (Capture, 20)

g. Once **Camera Intrinsics** have finished, place the board back flat on the base, then click on **Offset Calibration**.



i. This step will automatically proceed without your intervention. You will then see “Calibration Complete” when the **Offset Calibration** has completed.

h. Once **Offset Calibration** has finished, keep the board in the same position flat on the base, then click on **Laser Calibration**.



i. This step will automatically proceed without your intervention. You will then see “Calibration Complete” when the **Laser Calibration** has completed.

i. The calibration is now complete and you can remove the board from the base. Click “Back” in the upper right hand corner and you can proceed with scanning.

3. To proceed with the Calibration Cup, place the Cup in the middle of the base as shown below:

a. Click on **BA Cylinder,** this step will automatically proceed without your intervention.
   i. The scanner head will come down and scan the Cup. Then, it will compute the result for about 5-8 minutes.
   ii. Calibration is completed once you see the saving file screen appear. The calibration file can be saved to your USB.
   iii. The calibration is now complete and you can remove the Cup from the base. Click “Back” in the upper right hand corner and you can proceed with scanning.

SEE THE GETTING STARTED VIDEO