

3D Scanning Instructions

For Specialized PC Station 55

1. Start up the ScanStudio software located in 3D Scanner folder in the Specialized Applications folder on the top-left corner of the desktop.
2. Place the item you wish to scan on the round stage and stick it to the adhesive.
If your item has many shiny surfaces, an application of talc or baby powder may be required to minimize reflection
3. Press the green, triangle-shaped **Scan** button.
4. Choose the desired quality and input the settings that suit your project from the options.

Suggested general settings:

Divisions – 12

Start – 0

Tilt – 15

5. Once the settings have been chosen, press the green, triangle-shaped **Start** button found in the top-center of the screen.
6. Scanner will proceed to scan the object. Scan the object again in a different orientation so as to get all the surfaces that did not come out in the first scan. A third scan might be needed as well.
7. When all different scans of the object have been completed, separate them by dragging all but one of the scans outside of the green area. Clean up the scans using the **Trim** tool found in the top toolbar to get rid of bits of the stage and other parts that scanned that are not part of your object.
8. Next, press the **Align** button in the top toolbar. Use the 3 colored dots, move them onto positions on the figures that correspond with each other. This can only be one at a time one scan (in green background) with one other scan (in blue background). Once the 3 colored dots have been placed on the objects, press **Align** again at the top.
9. Once all the scans have been aligned together, press the **Fuse** button in the top toolbar. This will make a solid model, all the while keeping the imperfections.
10. To export the 3D model, go to **File > Save As** and choose your desired file type from the dropdown selections.
11. Further post processing should be done on the file in a 3D modeling program such as Solidworks, netfabb, Blender, Sketchfab, etc.