Quick Start Guide
Getting Started with EinScan-SP

**STEP 01** Turn on the Scanner
Press the touch switch for 1 second to turn the scanner on.

**STEP 02** Add the object to be scanned
(you can add the object at any time before scanning)
Place the object so that it is centered on the scan bed.

**STEP 03** Open the EinScan-SP scanning software on the 3D Printer workstation
Double-click the icon

**STEP 04** Scanning Process
Build Project
Click ‘New Project’ button to start a new scan.

Choose Texture Scan Option
Choose texture scan if color texture is needed for scanning. Or, choose non-texture scan (Texture scan takes longer, and white balance test should be done before texture scanning).

Adjust Brightness
Choose the brightness setting according to your object surface condition. Too much red on the object shown in the window means over bright.

Scan
Click Scan button to start scanning.

Edit Scan
Shift+Left mouse. Select redundant data, and the selected section will show as red. The tool bar on the top will allow you to do further edits.

Complete the Scan in More Directions
Sometimes, if one rotation can’t give you a full scan, you can place the object in other directions to capture the missing faces. After editing, save the current scanned data, and the current data will be aligned to the last scanned data automatically.

**STEP 05** Power Off
Press the touch switch for 1 second twice to turn the scanner off.

Manual Alignment
If automatic alignment fails during scanning, you can use manual alignment.

Mesh
When the scan is completed, choose the Mesh option. Watertight or Unwatertight model can be selected (be sure to choose Watertight if the model is intended for 3D printing).

Save
Asc, stl, obj and ply file formats are available.

**Calibration**

**STEP 01** Calibration Board Assembly
Insert calibration board onto the board holder.

**STEP 02** Calibration Board Placement
Place the calibration board on the center of the turntable facing the scanner.

**STEP 03** Run the Calibration
Open software, choose your scanner model of EinScan-SP and go to NEXT. Click "Getting started with calibration" button, follow the on-screen instructions to turn the calibration board in 3 directions.

NOTE: Rotate the calibration board only during calibration.

**How to Get a Successful Scan**

**What Can Be Scanned?**
- Objects larger than 30*30*30 mm
- Objects smaller than 250*250*250 mm
- Object weighing less than 5 kg (11 lbs)

**Difficult to Scan**
- Transparent objects like glass
- Shining or reflective objects like varnished metal parts
- Dark colored objects like a black keyboard
- Fuzzy objects like hair
- Solution: Painting white powder on objects will improve the scan quality.

**Calibration Tips**
You should calibrate the scanner in the initial set-up, or IF YOU MOVE THE SCANNER OR TURNTABLE.
When you find the scanned quality is not as good as initial set-up, you can recalibrate your scanner.
Calibration needed when alignment mistakes or failures frequently appear during the scanning.

*Or you can choose to calibrate the scanner. See the instructions to the right of this guide.*