

4 Stages of 3D Print Success

Quick Reference & Checklist



STAGE 1

Inspect the Model

- Is the model 3D printable?
- Are there completed makes or printed examples?
- Is this best suited for resin or FDM?
- Does it need supports? Flat areas? Tree supports?
- Should it be printed in multiple parts?
- Is it multicolor or single extrusion?



STAGE 2

Slice with Purpose

- Is it functional or decorative?
- Does surface quality matter?
 - If so, lower layer height
- Does Strength Matter?
 - More Strength, Higher Infill Density
- Think About These Settings:
 - Infill type and density
 - Wall count
 - Layer height
 - Print speed
 - Support Type



STAGE 3

Orient & Review

- Is the model properly oriented to reduce overhangs and layer lines?
- Are the supports placed where they can be easily removed?
- Are there opportunities to minimize support material?
- Did you check the sliced model?
- Did you look at the first layer to make sure it's touching the bed?



STAGE 4

Set-Up & Supervise

- Is the bed clean and free of oils or glue residue?
- Is the nozzle clean?
- Is the printer calibrated or properly leveled?
- Did you watch the first layer go down?

Quick Tip:

The first layer tells you everything. Watch it carefully and be ready to adjust your Z offset live if needed.

