

Stereo Lithography Checklist

To Make a Part on a 3-D Printer

A) Choose printer

1. Identify which printer has sat idle the longest
2. Remove any existing parts (see Clean Up)
3. Switch to printer
4. Start Objet.exe
5. Make sure there is enough material
6. Press Red "Go" button



B) Configure print job

1. Switch to host
2. Load STL files from memory stick (use own directory in Supervisor's file)
3. Start ObjetStudio.exe
4. Insert parts
5. Press Auto-Place

C) Maximize Efficiency

1. Make parts glossy
2. Reorient / Re-position parts
3. Press Tray-Validation (fix errors)
4. Press Estimate
 - **Warning: You can make a part that costs \$2000. Make sure your supervisor is willing to cover the cost of the part you are about to make before you make it.**
 - The Lightning Lab does not have an unlimited supply of material. Your access to the lab will be restricted if you make overly inefficient parts.
 - Refer to "Saving money by printing efficiently" tutorial page on website for ideas on how to redesign your part so that it costs less to make.

D) Build the part

1. Press Build-Tray
2. Save tray file (.objtf)
3. Switch to printer
4. Check for "Heads Warming" message before leaving

Clean Up:

A) Printer

1. Remove Parts
2. Clean build tray with water
3. Clean stray material bits from printer
4. Centre print head

B) Computer

5. Erase files from host
6. Switch to printer and exit Objet.exe (fan stops)

Record Usage:

A) Log Book

1. Weigh parts (build + support)
2. Log material usage on supervisor's page

B) Desk Calendar

1. Write first initial (A, S or R) of machine on date used