

Printer Safety

- Sit the printer on a hard, secure surface
It vibrates a lot. Do not put it on a wobbly table or bed.
- Do not touch the nozzle or filament while the printer is operating
The filament is heated to over 200° C
- Use the printer in a room with a smoke alarm
- Do not put your hand inside the printer while the head is moving
We can't 3D-print a replacement
- Do not leave the printer operating unsupervised

Printing

- Keep the printer in a dry place
The filament absorbs moisture. Wet filament prints badly.
- The filament reel should be close to, but not touching the printer
- Make sure that the filament path is not obstructed
- Keep the filament inside the reel
It can form tight loops and break if it comes off the reel
- Watch out for crossing loops
The filament will knot and jam. The filament winder is strong enough to lift the reel.

Printing

- The grey cable should sit outside the printer frame
It will chafe if left inside and eventually the insulation will wear away and expose bare electrical wires
- Leave the blue tape covering one screw on the top of the frame in place
It is there to protect the cable
- Make sure the paper clips are holding the plate in place before printing
Left clip to the back, right clip to the front

Printing

- The print bed is covered with strips of masking tape
- Change the tape every 5 – 10 prints
- The tape should cover the top of the plate only
Do not loop it around the bottom
- Leave a small gap between each strip
- Smooth out all wrinkles and bubbles in the tape
- Do not print directly on the glass

Printing

- If a piece becomes unstuck, cancel the print immediately
Change the tape before starting the print again
- If the filament knots, cancel the print immediately
Undo the knot before starting the print again

Printing

- Pay attention to the warnings in Repetier-Host
- Every edge should connect to exactly two faces
A non-manifold model has holes or crossing surfaces
- If the model is bigger than the print area it won't be printed properly
Repetier-Host will warn you
- Check the skirt position in Repetier-Host
Adjust the model if the skirt extends beyond the grid. Repetier-Host will not warn you.
- Make sure that the clips aren't under the the skirt
The extruder will knock them off