

STANDARD OPERATING PROCEDURE

Desktop 3D Printer

DO NOT use this machine unless you have been trained and assessed to a competent level in its safe use and operation, and have been given permission to use this equipment.



Leather gloves must be worn when handling hot material.



Covered footwear must be worn when operating this equipment.

PRE-OPERATIONAL SAFETY CHECKS

1. Ensure that risk assessment has been read. **UQ risk assessment task ID #36566.**
2. Ensure no slip/trip hazards are present in workspaces and walkways.
3. Locate and ensure you are familiar with the operation of the ON/OFF switch.
4. Ensure the perboard sheet is securely clipped onto the platform.
5. Ensure the room is well ventilated with circulating air.
6. Faulty equipment must not be used. Immediately report suspect machinery.

OPERATIONAL SAFETY CHECKS

1. Switch on the PC and login using the credentials labelled on the monitor.
2. Open the UP! 3D printer software located on the desktop.
3. Switch on the printer using the switch on the rear.
4. Press and hold the initialising switch on the front of the printer until it beeps.
5. Ensure the model is positioned within the printing limits within the software.
6. Preheat the platform for larger models (>40mm²) for up to half an hour.
7. Ensure you have sufficient material on the spool and the allocated time available.
8. Keep fingers and foreign objects clear of the moving printer head.
9. Before handling, allow sufficient time for the part to cool once printing is complete.

HOUSEKEEPING

1. Gently guide the platform down manually when you switch off the 3D printer.
2. Save your work and shutdown the computer.
3. Return all tooling and fixtures to the correct storage location.
4. Leave the machine and work area in a safe, clean and tidy state.
5. Dispose of waste material in an appropriate recycling or waste bin.

POTENTIAL HAZARDS

- Burns
- Squash/crush and pinch points

FORBIDDEN

- Distracting operator
- Operating near combustible materials