

What are the hazards and how might they harm?



Crush injuries, bruises
and abrasions from
entanglement



Electric shock or burns
from incorrect use or
damaged/faulty
equipment



Burns/scalds from
contact hot surfaces

Model of 3D printer used

3D printers

Safety Task Card
STCGE 65

Unit Managers – use page overleaf to list any hazards and control measures specific to your site which are not listed below

Safe System of Work

1. Only use the equipment if you have received training specifically for the printer being used.
2. The equipment must be located on a stable surface in a well-ventilated area.
3. Visually inspect equipment, including checking that the waste chute is clear, and report any damage to your manager.
4. Only used the correct filament for the equipment.
5. Do not force filament into the tube and use the equipment extrude and retract function.
6. Be aware that some surfaces, including the extruder, nozzle and heated bed may become hot and keep hands away from these areas.
7. Do not interfere with equipment while printing is in progress.
8. Monitor the equipment throughout the print process and stop the print if it overheats or emits abnormal noises.
9. Switch equipment off and isolate it from the power source before cleaning.
10. Filament can be removed from the extruder while it is still warm after printing, but caution must be taken to avoid contact with surfaces.
11. Remove dust, bonded filament and any foreign objects from the guide rails and surrounding areas once equipment has cooled down.

If you have any concerns, stop and speak with your line manager before proceeding.

List any additional hazards or risks you have identified and control measures required to manage these.

3D printers continued

Safety Task Card
STCGE 65**Safe System of Work****SOP (Standard Operating Procedures)**