



FIXED +
STATIC PLANT

SAFE OPERATING PROCEDURES 3D PRINTER

DO NOT use this machine unless a teacher has instructed you in its safe use and operation and has given permission



Safety glasses must be worn at all times in work areas.



Long and loose hair must be contained or restrained.



Rings and jewellery must not be worn.



Gloves should be worn to avoid burns when handling hot plastics or performing maintenance.



CAUTION & WARNING signs commonly displayed on this machinery indicate a potentially hazardous situation which, if not avoided, may result in minor or moderate injury

PRE-OPERATIONAL SAFETY CHECKS

1. Ensure the plastics spool is correctly fitted into the extrusion head – refer to the User Manual.
2. Correctly initialise the printer after it has been moved or relocated.
3. Ensure all cables are inserted or connected correctly and securely.
4. Pre-heat the perf-board platform (if possible) to maximise effect adhesion and stability.
5. Be aware that ABS vapours are toxic. Ensure that your work area is well ventilated.
6. Room temperatures are best between 20-30°C.
7. Faulty equipment must not be used. Immediately report any suspect equipment or machinery.

OPERATIONAL SAFETY CHECKS

1. Never attempt to program this CNC machine without proper training.
2. Familiarise yourself with all machine operations and controls – refer to the User Manual.
3. Place the enclosure over the machine when operational (if supplied).
4. Only ONE person should operate this machine – or remove finished products.
5. Always wear safety glasses and gloves when removing support materials.
6. DO NOT TOUCH any moving parts during operation.
7. Keep both hands behind the sharp spatula and tools when removing perf-board and scaffolds.
8. Use caution when using clippers and tweezers.

HOUSEKEEPING

1. Ensure machine is turned off and unplugged after use.
2. Return all accessories. Leave the machine, hose and work area in a safe, clean and tidy state.

POTENTIAL HAZARDS

- | | | |
|------------------------------|-------------------|------------------------------|
| ■ Hot surfaces and materials | ■ Molten plastics | ■ Moving components |
| ■ Sharp edges | ■ Eye injury | ■ 240v electrical components |
| ■ Toxic vapours | ■ Control errors | ■ Failure or malfunction |

Date of last review _____

Signature _____